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AIRMAN'S GUIDE



NOTICES TO AIRMEN

DIRECTORY OF AIRPORTS

AIR NAVIGATION RADIO AIDS

VOL. 1, NO. 17 . . NOVEMBER 12, 1946

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U. S. DEPARTMENT OF COMMERCE

CIVIL AERONAUTICS ADMINISTRATION

OFFICE OF AVIATION INFORMATION

TABLE OF CONTENTS

AIR TRAFFIC CONTROL PROCEDURES, DIGEST OF. . . . . VIII - X
AIR NAVIGATION RADIO AIDS, LEGEND, GENERAL INFORMATION . . . . . XI - XII
AIRPORT DATA, LEGEND XIII
FLIGHT PLANNING CHARTS AND DATA PAGES . . . . . 1 - 142
DIRECTORY OF SEAPLANE BASES . . . . . 143 - 144
NOTICES TO AIRMEN . . . . . 145 -

INDEX OF FACILITY LOCATIONS

ALABAMA
Albertville (106)
Alexander City (126)
Andalusia (127)
Anniston (126)
Athens (106)
Atmore (127)
Auburn (126)
Birmingham (123)
Bradford (123)
Brewton (127)
Canoe (127)
Centre (106)•
Clanton (123)
Columbiana (123)
Courtland (103)
Cullman (106)
Decatur (106)
Demopolis (123)
Dothan (130)
Eden (123)
Elberta (127)•
Enterprise (130)
Eufaula (126)
Eutaw (123)
Evergreen (127)
Foley (127)
Gadsden (106)
Gainesville (123)
Garden City (106)
Greenville (123)
Guntersville (106)•
Hartselle (106)
Headland (130)
Huntsville (106)
Jasper (123)
Josephine (127)
Lillian (127)•
Luverne (123)
Mobile (127)
Montgomery (123)
Muscle Shoals (103)
Ozark (130)
Prichard (127)
St. Elmo (127)
Scottsboro (106)
Selma (123)
Silverhill (127)
Summerdale (127)
Talladega (126)•
Troy (126)
Tuscaloosa (123)
Tuskegee (126)

ARIZONA
Aguila (83)
Ajo (83)
Amado (86)
Ashfork (54)
Bisbee (86)
Bowie (86)•
Cactus (86)
Cameron (55)•
Casa Grande (86)•
Chandler (86)
Clifton (86)•
Cochise (86)
Coolidge (86)
Cottonwood (54).
Dateian (83)
Deep Lake (55)
Douglas (86)
Duncan (86)
Flagstaff (55)
Florence (86)•
Fort Huachuca (86)
Fredonia (54)
Gila Bend (83)
Glendale (86)
Globe (86)
Grand Canyon (54)
Hayden (86)
Hereford (86)
Hilltop (86)
Holbrook (55)
Joseph City (55)
Kingman (54)
Laguna (83)
Litchfield Park(86)
Marana (86)
Mesa (86)
Meteor Crater (55)
Nogales (86)
Parker (83)
Perryville (86)
Phoenix (86)
Prescott (54)
Quartzsite (83)
Redrock (86)
Safford (86)
Sahuarita (86)
St. Johns (55)
Salome (83)
Seligman (54)
Sells (86)•
Somerton (83)
Superior (86)•
Tempe (86)
Toltec (86)
Tonopah (83)
Tucson (86)
Vail (86)
Valle (54)
Wellton (83)
White River (86)•
Wickenburg (83)
Willcox (86)
Williams (54)
Window Rock (55)•
Winona (55)
Winslow (55)
Yucca (54)
Yuma (83)

ARKANSAS
Alma (99)
Arkadelphia (99)
Benton (102)
Berryville (63)•
Biggers (66)•
Blytheville(66,103)
Brinkley (102)
Bruins (102)
Cabot (102)
Camden (99)
Clarksville (99)
Conway (102)
Cotton Plant (102)
Crossett (102)
Desha (66)
De Witt (102)
Elaine (102)
El Dorado (99,102)
Fayetteville (63)
Flippin (66)
Forrest City (102)
Fort Smith (99)
Harrison (63)
Helena (102)
Hope (99)
Hot Springs (99)
Hughes (102)
Joiner (102)
Jonesboro (66)
Little Rock (102)
Luxora (103)
McGehee (102)
Magnolia (99)
Malvern (99)
Manila (66)
Mena (99)
Monticello (102)
Newport (66,102)
Ola (99)•
Palmer (102)
Paris (99)
Pine Bluff (102)
Prescott (99)
Round Pond (102)
Russellville (99)
Searcy (102)
Springdale (63)
Stuttgart (102)
Texarkana (99)
Van Buren (99)•
Walnut Ridge (66)
West Memphis (102)
Wynne (102)

CALIFORNIA
Alameda (50)
Alturas (19)
Amedee (19)
Anderson (19)
Arcata (19)
Artesia (138)
Auburn (47)
Avalon (82)
Bagdad (54)
Bakersfield (50,51,82)
Banning (82)
Barstow (82)
Bass Lake (51)
Bay Point (47)
Beckwourth (19)
Belmont (50)
Big Bear (82)
Big Pine (51)
Bishop (51)
Blue Canyon (19)
Blythe (83)
Boron (82)
Brawley (83)
Bridgeport (51)•
Burbank (138)
Calexico (83)
Calipatria (83)
Callahan (19)
Cambria (50)
Carmel Valley (47)
Cedarville (19)
Chatsworth (138)
Chester (19)•
Chico (19)
Claremont (138)
Clarksburg (47)
Coalinga (51)
Colusa (19)
Compton (138)
Concord (50)
Corcoran (51)
Corning (19)
Corona (138)
Coronado (82)
Cotati (47)
Covelo (19)•
Crescent City (19)
Crows Landing (47)
Culver City (138)•
Daggett (82)
Davis (47)
Death Valley Jct. (51)
Delano (51)
Del Mar (82)
Delta (19)
Desert Center (83)
Donner Summit (19)(51)
Dos Palos (47)
Downey (138)
Dunsmuir (19)
El Cajon (82)
El Centro (83)
El Monte (138)
El Toro (138)
Escondido (82)
Estrella (50)
Eureka (19)
Evergreen (47)
Fairfield (47)
Fall River Mills (19)
Farallon Island (47)
Fontana (82)
Fort Jones (19)•
Fresno (51)
Fullerton (138)
Furnace Creek (51)
Gardena (138)
Glendale (138)
Grass Valley (19)
Gridley (19)
Half Moon Bay (50)
Hanford (51)
Hawthorne (138)
Hayfork (19)•
Hayward (50)
Healdsburg (47)
Hemet (82)
Hollister (47)
Holtville (83)
Huntington Beach(138)
Imperial (83)
Independence (51)
Indio (82,83)
Inyokern (82,51)
Jackson (47)•
Jacumba Hot Sprgs.(83)
King City (47)
Lakeport (47)
La Habra (82)
La Mesa (82)
Lancaster (82)
Lebec (82)
Lemoore (51)
Lindsey (51)
Livermore (50)
Lodi (47)
Lomita (138)
Lompoc (50)
Lone Pine (51)
Long Beach (138)
Los Alamitos (138)
Los Angeles (138)
Los Banos (47)
Lost Hills (50,51)
McCloud (19)•
Madera (51)
Manzanar (51)
Maricopa (50)•
Mariposa (51)•
Martinez (47)
Marysville (19)
Merced (51)
Modesto (47)
Mojave (51,82)
Monrovia (138)
Montebello (138)
Montague (19)
Monterey (47)
Mountain View (50)
Muroc (82)
Napa (47)
National City (82)
Needles (54)
Nevada City (19)
Newark (47)
Newhall (138)
Norco (138)
Oakland (50)
Oceanside (82)
Ojai (50)
Olancha (51)
Ontario (138)
Oroville (19)
Otay (82)
Oxnard (50)
Palisades (138)•
Palmdale (82,138)
Palo Alto (50)
Palm Springs (82,83)
Parlier (51)
Paso Robles (50)
Petaluma (47)
Point Mugu (50)
Pomona (138)
Porterville (51)
Puente (138)
Quincy (19)
Ramona (82)
Randsburg (51)•(82)•
Ravendale (19)•
Red Bluff (19)
Redding (19)
Reedley (51)•
Rialto (82)
Rice (83)
Riverside (82)
Rosamond (82)
Sacramento (47)
Salinas (47)
Salton Sea (82,83)
San Bernardino (82)
San Carlos (50)
San Clemente Isl.(82)
San Diego (82)
San Fernando (138)
San Francisco (50
San Jose (50)
San Luis Obispo (50)
San Marcos (82)
San Mateo (50)
San Nicolas Isl.(82)
San Pedro (138)
San Rafael (47)
San Ramon (50)
Santa Ana (138)
Santa Barbara (50)
Santa Cruz (47)
Santa Maria (50)
Santa Monica (138)
Santa Paula (50)
Santa Rosa (47)
Santa Susana (138)
Santa Ynez (50)•
Santee (82)
San Ysidro (82)
Saticoy (50)
Sausalito (47)
Secret Valley (19)
Shafter (51)•(50)•
Silver Lake (54)
Sonora (51)
Stockton (47)
Stratford (51)
Susanville (19)
Taft (50,61)
Tehachapi (51,82)
Thermal (83)
Trona (51)
Truckee (19,51)
Tulare (51)
Twentynine Palms (83)
Ukiah (19)
Upper Lake (19)•
Vallejo (47)
Valley Springs (47)
Van Nuys (138)
Vernalis (50)
Victorville (82,138)
Visalia (51)
Walnut Creek (50)
Warm Springs (50)
Warner H. Springs (82)
Watsonville (47)
Weaverville (19)•
Westhaven (51)•
Whitmore (19)
Williams (19)
Willits (19)
Willows (19)
Woodlake (51)
Woodland (47)
Woodville (51)
Yermo (82)

COLORADO
Akron (27)
Alamosa (58)
Alvin (27)
Aurora (138)
Boulder (138)
Burlington (27)•
Canon City (58)
Colorado Springs (58)
Cortez (55)
Craig (26)
Creede (58)
Dacona (27)
Delta (55)
Denver (138)
Dove Creek (55)
Dupont (138)
Durango (55)
Eagle (26)
Englewood (138)
Estes Park (26)
Fairplay (28)•
Flagler (27)
Fort Collins (26)
Fort Morgan (27)
Fountain (58)
Franktown (138)
Glenwood Springs (26)
Granby (26)
Grand Junction (26)
Greeley (27)
Gunnison (58)
Henderson (134)
Holly (59)
Holyoke (27)
Hugo (27)
Julesburg (27)
Kit Carson (59)•
La Junta (58)
Lamar (59)
Las Animas (58)
Leadville (26)•
Limon (27)
Lindon (27)
Longmont (26)
Mancos (55)•
Meeker (26)
Mesita (58)
Monte Vista (58)
Montrose (55)
Ordway (58)•
Pueblo (58)
Rifle (26)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Rogers,Ark.(63) Bellflower,Cal.(138) Gustine,Cal.(47) Little River,Cal.(19) Lower Lake,Cal.(47) Mecca,Cal.(83) Manteca,Cal.(47) Morgan Hill,Cal.(47) Norwalk,Cal.(138),San Jacinto,Cal.(82) Tracy,Cal.(47,50) Franklin, Cal.(47) Castaic,Cal.(81,137) Westminster,Cal.(138) Camarillo,Cal.(138) Carpenteria,Cal.(50) Placerville,Cal.(47) Mt. Laguna,Cal.(82,83),Antioch,Cal.(50) Nuela, Colo.(55)

Rocky Ford (58)
Saguache (58)
Salida (58)
Springfield (58)
Sterling (27)
Trinidad (58)
Walden (26)
Walsh (58)
Watkins (138)
Westcliffe (58)
Wray (27)
Yuma (27)

CONNECTICUT

Bethany (43)
Bridgeport (43)
Bristol (43)
Brookfield (43)
Canaan (43)
Danbury (43)
E. Hartford (43)
Essex (43)

Groton (43)
Hartford (43)
Meriden (43)
Monroe (43)
New Haven (43)
Plainfield (46)
Plymouth (43)
Putnam (46)
Salem (43)
Simsbury (43)
Somers (43)
Stonington (46)

Wallingford (43)
Waterford (43)
West Haven (43)

Windham (43)
Windsor Locks (43)

DELAWARE

Bridgeville (75)
Dover (75)
Frankford (75)
Georgetown (75)
New Castle (75)
Rehoboth Beach (75)
Seaford (75)*
Wilmington (75)

DIST. OF COL.

Washington (78)

FLORIDA

Altoona (134)*
Apalachicola (130)
Apopka (134)
Arcadia (135)
Avon Park (134)
Banana River (134)
Barberville (134)*
Bartow (134)
Bayard (134)
Belle Glade (135)
Boca Raton (135)
Bostwick (134)
Bradenton (134)
Brooksville (134)
Brycesville (134)
Bushnell (134)
Carrabelle (130)
Cedar Keys (134)*
Chipley (130)
Clarcona (134)
Clearwater (134)
Clewiston (135)
Cocoa (134)
Crestview (127)
Cross City (130)
Daytona Beach (134)
De Funiak Sprgs (127)
De Land (134)
Dunedin (134)
Dunnellon (134)
Elleston (134)
Eustis (134)
Fernandina (134)
Fort George Isl. (134)
Fort Lauderdale (135)
Fort Myers (135)
Fort Pierce (134)

Gainesville (130,134)
Green Cove Sprgs (134)
Haines City (134)*
Hawthorne (134)
Holley (127)
Hollywood (135)
Holt (127)
Homestead (135)
Immokalee (135)
Jacksonville (134)
Jasper (130)
Keystone Heights (134)
Key West (135)
Kissimmee (134)
Lake Butler (130)
Lake City (130,134)
Lakeland (134)
Lake Wales (134)
Lake Worth (135)
Lantana (135)
Leesburg (134)
Live Oak (130)
Malabar (134)
Marathon (135)
Marianna (130)
Mayport (134)
Melbourne (134)
Miami (135)
Miami Bay Shore (131)
Middleburg (134)
Milton (127)
Mineola (134)
Molino (127)
Monticello (130)*
Naples (135)
New Smyrna (134)
North Tampa (134)
Oakland Park (135)
Ocala (134)
Okeechobee (135)
Orange City (134)
Orlando (134)
Palatka (134)
Panama City (130)
Pensacola (127)
Perry (130)
Pinecastle (134)
Plant City (134)
Pompano (135)
Punta Gorda (135)
Quincy (130)
Richmond (135)
Russell (134)
St Augustine (134)
St. Petersburg (134)
Sanford (134)
Sarasota (135)
Sebastian (134)
Sebring (134)
Stock Island (135)
Stuart (135)
Switzerland (134)
Tallahassee (130)
Tampa (134)
Tennile (130)*
Titusville (134)
Valparaiso (127)
Venice (135)
Vero Beach (134)
Wauchula (134)*
West Palm Beach (135)
Williston (130,134)
Wimauma (134)*
Winter Haven (134)
Zephyrhills (134)

GEORGIA

Adel (130)
Albany (126)(130)
Alma (130)
Americus (126)
Athens (126)
Atlanta (126)
Augusta (131)
Bainbridge (130)
Brunswick (131)
Buford (107)
Butler (126)
Camilla (130)
Carrollton (126)
Cartersville (106)
Cedartown (106)
Cochran (126,
Columbus (126)
Cordele (126)
Dalton (106)
Darien (131)
Dawson (126)
Douglas (130)
Dublin (126)
East Point (126)
Elberton (107)
Fairburn (126)
Fitzgerald (126)
Folkston (131)
Gainesville (107)
Glynco (131)
Griffin (126)
Harris Neck (131)
Hinesville (131)
Homerville (130)
Jackson (126)
Jasper (106)
Jefferson (107)
Jeffersboro (126)
La Grange (126)
McRae (126)
Macon (126)
Madison (126)
Madraq (128)
Marietta (126)(106)
Millen (131)
Milledgeville (126)
Montezuma (126)
Moultrie (130)
Nashville (130)
Newnan (126)
Palmetto (126)
Richmond Hill (131)
Rockmart (106)
Rome (106)
St. Marys (131)
St Simons Isl (131)
Savannah (131)
Siloam (126)
Smyrna (126)
Statesboro (131)
Stone Mountain (126)
Swainsboro (126)
Sylvania (131)
Tallapoosa (126)
Thomaston (126)
Thomasville (130)
Tifton (130)
Toccoa (107)
Trion (106)
Turner (130)
Valdosta (130)
Vidalia (126)
Warm Springs (126)
Warner-Robins (126)
Washington (126)
Waycross (130)
Winder (107)

IDAHO

Aberdeen (23)
American Falls (23)
Anderson Dam (22)
Arco (23)*
Big Springs (6)*
Boise (22)
Buhl (23)*
Burley (23)
Caldwell (22)
Cascade (3)
Cayuse Creek (3)*
Challis (6)
Coeur d' Alene (3)
Dixie (3)*
Dubois (6)
Eagle (22)
Emmett (22)
Glenns Ferry (22)
Gooding (23)
Grangeville (3)
Hagerman (23)*
Hailey (23)
Idaho Falls (23)
Idahome (23)
Jerome (23)
Kamiah (3)
Kellogg (3)
Knox (3)*
Lake (6)
Lewiston (3)
McCall (3)
Mackay (23)*
Malad City (23)
Montpelier (23)
Mountain Home (22)
Nampa (22)
Orofino (3)
Paris (23)
Parma (22)
Payette (3)
Pocatello (23)
Preston (23)
Priest River (3)*
Red River H. Sprgs. (6)
Rexburg (23)
Richfield (23)
St. Anthony (23)
St Maries (3)
Salmon (6)
Sandpoint (2)
Shoshone (22)
Strevell (23)
Tensed (3)
Tyhee (23)
Twin Falls (23)
Victor (23)*
Weiser (3)

ILLINOIS

Alexander (31)
Alton (142)
Arcola (67)
Armington (67)
Ashburn (34)
Aurora (139)
Beardstown (31)
Belleville (142)
Bensenville (135)
Bloomington (67)
Blue Island (139)
Blue Mound (67)
Bradford (34)
Cairo (103)
Carbondale (67)
Carmi (67)
Carthage (31)
Champaign (67)
Charleston (67)
Chesterfield (31)
Chicago (139)
Chicago Heights (139)
Clinton (67)
Dalton City (67)
Danville (67)
Decatur (67)
De Kalb (34)
Des Plaines (139)
Dixon (34)
Du Quoin (67)
East St. Louis (142)

Effingham (67)
Elgin (34)
Elmhurst (139)
Fairfield (67)
Flatt (31)
Franklin Park (34)
Freeport (34)
Galesburg (31)
Glenview (34)(139)
Grayslake (34)
Harvey (139)
Havana (31)
Highland (67)
Hillsboro (67)
Hinsdale (139)
Homewood (139)
Hoopeston (67)
Jacksonville (31)
Jerseyville (31)
Joliet (139)
Kankakee (34)
La Grange (139)
Lansing (139)
La Salle (34)
Lawrenceville (67)
Lebanon (67)
Lockport (139)
Lombard (139)
Macomb (31)
Marion (67)
Mattoon (67)
Mendota (34)
Moline (31)
Momence (34)
Monmouth (31)
Morris (34)
Mt. Carmel (67)
Mt Vernon (67)
Muddy (67)
Murphysboro (67)
Newark (34)
Northbrook (34)
Oaklawn (139)
Olney (67)
Paris (67)
Pecatonica (34)
Pekin (67)
Peoria (34)(67)
Prairie du Rocher (66)
Princeton (34)
Quincy (31)
Rantoul (67)
Rochester (67)
Rockford (34)
Rochester (67)
Rockford (34)
St Charles (139)
St. David (31)
St Elmo (67)
Salem (67)
Shelbyville (67)
Sheldon (34)
South Beloit (34)
Springfield (67)
Steger (34)
Sterling (34)
Stockton (34)
Streator (34)
Sycamore (34)
Taylorville (67)
Tinley Park (139)
Tuscola (67)
Urbana (67)
Utica (34)
Vandalia (67)
Van Orin (34)
Warren (34)
Waukegan (34)

INDIANA

Advance (70)
Anderson (70)
Angola (35)
Attica (67)
Auburn (35)
Bargersville (70)
Bedford (70)
Bloomingdale (67)
Bloomington (70)
Bluffton (35)
Brownsburg (70)
Bunker Hill (70)
Cedar Grove (70)
Cedar Lake (34)
Chalmers (35)
Clayton (70)
Columbus (70)
Connersville (70)
Crawfordsville (70)
Crown Point (34)
Culver (35)*
Decatur (35)
Demotte (34)
Elkhart (35)
Elwood (70)
Evansville (67)
Fortville (70)
Fort Wayne (35)
Frankfort (70)
Franklin (70)
French Lick Sprgs (70)
Gary (139)
Goshen (35)
Greencastle (70)
Greenfield (70)
Greensburg (70)
Greenwood (70)
Hobart (139)
Huntingburg (70)
Huntington (35)
Indianapolis (70)
Jeffersonville (70)
Kentland (34)
Kingman (67)
Knox (35)
Kokomo (70)
Lafayette (70)
La Fontaine (35)
Lagoda (70)
Lake Village (34)
Lapel (70)
La Porte (35)
Lawrenceburg (70)
Lebanon (70)
Linton (67)
Lizton (70)
Logansport (35)
Lowell (34)
McCool (139)

Madison (70)
Marion (70)
Medaryville (35)
Michigan City (35)(139
Milroy (70)
Mishawaka (35)
Monticello (35)
Mooresville (70)
Morgantown (70)
Mount Vernon (67)
Munrie (70)
New Carlisle (35)
New Castle (70)
Noblesville (70)
North Manchester (35)
Notre Dame (35)
Oaktown (67)
Ockley (70)
Orleans (70)
Perrysville (67)
Peru (35)
Plainfield (70)
Plymouth (35)
Portland (70)
Ramsey (70)
Rensselaer (34)
Richland (67)
Richmond (70)
Rochester (35)
Rushville (70)
Salem (70)
Scottsburg (70)
Selma (70)
Seymour (70)
Shelbyville (70)
Sheridan (70)
Shoals (70)
South Bend (35)
Terre Haute (67)
Valparaiso (139)
Vevay (70)
Vincennes (67)
Wabash (35)
Warsaw (35)
Washington (67)
Wellsboro (35)
West Lebanon (67)
Winchester (70)
Yorktown (70)
Zionsville (70)

IOWA

Adair (31)
Algona (31)
Anita (31)
Ames (31)
Armstrong (31)
Atlantic (30)
Audubon (30)
Bellevue (31)
Burlington (31)
California (30)
Carroll (31)
Cedar Rapids (31)
Centerville (31)
Chariton (31)
Cherokee (30)
Clarinda (30)
Clarion (31)
Clermont (31)
Clinton (31)

Columbus Jct. (31)
Conrad (31)
Council Bluffs (30)
Creston (31)*
Davenport (31)
Decorah (31)
Denison (30)
Des Moines (31)
Dows (31)
Dubuque (31)
Dyersville (31)
Earlham (31)
Eldora (31)
Emmetsburg (31)
Estherville (31)
Fiscus (30)
Floyd (31)
Fort Dodge (31)
Glenwood (30)
Grimes (31)
Grinnell (31)
Grand Mound (31)
Grundy Center (31)
Guthrie Center (31)
Hancock (30)
Harlan (30)
Ida Grove (30)
Iowa City (31)
Iowa Falls (31)
Jefferson (31)
Keokuk (31)
Lake City (31)
Lamoni (31)
Le Mars (30)
Leon (31)
Lucas (31)
Manning (30)
Marshalltown (31)
Mason City (31)
Mechanicsville (31)
Melbourne (31)
Milford (30)
Missouri Valley (30)
Moneta (30)
Monroe (31)
Montezuma (31)
Mt. Ary (31)
Mt. Pleasant (31)
Muscatine (31)
Newton (31)
Ocheydean (30)
Onawa (30)
Ottumwa (31)
Pella (31)
Perry (31)
Pocahontas (31)
Randolph (30)*
Red Oak (30)
Rock Rapids (30)
Sac City (31)
Seymour (31)
Sheldon (30)
Sioux City (30)
Sloan (30)
Spencer (30)
Spirit Lake (30)
Storm Lake (30)
Strawberry Point (31)
Stuart (31)
Sutherland (30)
Traer (31)
Washington (31)
Waterloo (31)
Webster City (31)
Wesley (31)

KANSAS

Abilene (62)
Anthony (62)
Arkansas City (62)
Ashland (59)
Atwood (27)
Augusta (62)
Belleville (30)
Beloit (30)
Bern (30)
Brewster (27)
Caldwell (62)
Cassoday (62)
Cedar Point (62)
Chanute (63)
Clay Center (30)
Coffeyville (63)
Colby (27)
Coldwater (59)
Concordia (30)
Derby (62)
De Soto (31)
Dodge City (59)
Downs (30)
Edwardsville (31)
El Dorado (62)
Ellinwood (62)
Emporia (62)
Eureka (62)
Ft. Leavenworth (31)
Ft. Riley (30)
Fort Scott (63)
Garden City (59)
Gardner (63)*
Garnett (63)*
Girard (63)
Goodland (27)
Great Bend (59,62)
Greensburg (59)
Hays (59)
Hazelton (62)
Herington (62)
Hiawatha (30)
Hoisington (62)
Holton (30)
Holyrood (62)
Hutchinson (62)
Independence (63)
Iola (63)
Johnson (59)
Kansas City (31)
Kechi (62)
Kingman (62)
Kinsley (59)
Kiowa (62)
Lakin (59)
Larkinburg (30)
Larned (59)
Lawrence (30)
Leavenworth (31)
Lebo (63)
Lenora (27)*
Liberal (59)
Lyons (62)
McPherson (62)
Manhattan (30)
Mankato (30)
Marion (62)
Meade (59)

(85)-Page number of chart on which these locales are inscribed. *-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Casey,Ill.(67) Flora,Ill.(67) Nashville,Ill.(67) Roanoke,Ill(34) Charlestown,Ind.(67) Cynthiana,Ind.(67) Danville,Ind (70) Dyer, Ind.(139) Martinsville,Ind (70) Dunlap,Ia.(30) Elkader,Ia.(31) Independence,Ia.(31) Earlville,Ill.(34) Oskaloosa,Ia (31) Shenandoah,Ia (30) Winterset,Ia.(31) Garner,Ia.(31) Woodbury,Ga (126) Horace,Ill.(67) Atchison,Kans.(30) Mulberry, Ind.(70) Fredonia,Kans.(63) Lone Tree, Ia.(31) Silver Cliff,Colo.(58) Johnsburg,Ill.(34) Riceville,Ia.(31) Madison, Conn. (44) Lenexa,Kans.(63)

Medicine Lodge (62)
Moundridge (62)
Newton (62)
Norton (30)
Oberlin (27)
Olathe (63)
Ottawa (63)
Oxford (62)
Paola (63)
Parsons (63)
Phillipsburg (30)
Pittsburg (63)
Plains (59)
Pratt (62)
Russell (58)
St. Francis (27)
Salina (62)
Satanta (59)
Scott City (59)
Sedan (62)
Seneca (30)
Sharon Springs (59)
Smith Center (30)
Stafford (62)
Summerfield (30)
Syracuse (59)
Topeka (30,63)
Towanda (62)
Viola (62)
Wakefield (30)
Wellington (62)
Wellsville (63)
Wichita (62)
Winfield (62)

KENTUCKY

Ashland (71)
Bowling Green (106)
Covington (70)
Danville (70)
Eastwood (70)
Fort Knox (70)
Frankfort (70)
Glendale (70)
Hopkinsville (103)
Lexington (70)
London (107)
Louisville (70)
Madisonville (67)
Mayfield (103)
Maysville (71)
Middlesboro (107)
Owensboro (67)
Paducah (103)
Paris (70)
Russell (71)
Shelbyville (70)
Shepherdsville (70)
Somerset (106)
Sturgis (67)
Sulphur (70)
Union (70)
Warsaw (70)

LOUISIANA

Alexandria (119,122)
Arcadia (99)
Barataria (122)
Bastrop (99)
Baton Rouge (122)
Bogalusa (122)
Camp Polk (119)
Covington (122)
Crowley (119)
Delhi (102)
De Quincy (119)•
De Ridder (119)
Dixie (99)
Donaldsonville (122)
Eunice (122)
Ferriday (122)
Gilbert (122)
Grand Isle (122)•
Hammond (122)
Hodge (119)
Houma (122)
Jennings (119)
Lafayette (122)
Lake Charles (119)
La Place (122)
Leesville (119)
Madisonville (122)
Mansfield (119)
Many (119)•
Minden (99)
Monroe (102)
Natchitoches (119)
Newellton (122)
New Iberia (122)
New Orleans (122)
New Roads (122)
Oakdale (119)•
Opelousas (122)
Patterson (122)
Pollock (119)
Ruston (102)
St. Joseph (122)
Shreveport (99)

Tallulah (102)

Winnfield (119)
Winnsboro (122)

MAINE

Andover (18)•
Auburn (18)
Augusta (18)
Bangor (18)
Bar Harbor (18)

Belfast (18)
Bethel (18)
Biddeford (46)

Bowdoinham (46)
Brewer (18)
Brunswick (46)
Caribou (18)
Deblois (18)
Dexter (18)

East Corinth (18)
Eastport (18)
Farmington (18)
Freeport (46)
Fryeburg (18)
Greenville (18)

Houlton (18)
Kennebunk (46)
LaGrange (18)
Lewiston (18)
Limestone (18)
Madison (18)•
Millinocket (18)
Minot (18)

Newport (18)
Norridgewock (18)
Norway (18)
Old Town (18)
Phillips (18)
Pittsfield (18)
Pittston (18)

Portland (46)
Presque Isle (18)
Princeton (18)
Rangeley (18)
Rockland (18)
Sanford (46)
Scarboro (46)

Skowhegan (18)
South Portland (46)
Turner (18)
Waterville (18)
West Buxton (46)
Winterport (18)

Yarmouth (46)

MARYLAND

Aberdeen (75)
Annapolis (75)
Baltimore (75)
Beltsville (78)
Berwyn (78)
Brandywine (78)•
Camp Springs (78)
Churchville (75)
Clinton (78)
College Park (78)
Croom (78)
Cumberland (74)
Doncaster (75)
Easton (75)
Edgewood Arsenal (75)
Fort Meade (78)
Frederick (75)
Glenburnie (75)
Greenbelt (78)
Hagerstown (75)
Hyattsville (78)
Meekins Neck (75)
Ocean City (75)
Patuxent River (75)
Piney Point (75)
Pomonkey (78)
Priest Point (75)
Riverdale (78)
Rock Hall (75)
Rockville (78)
Salisbury (75)
Shady Side (75)•
Taneytown (75)
Westminster (75)
Worton (75)•

MASSACHUSETTS

Adams (43)
Agawam (43)
Auburn (46)
Ayer (46)
Bedford (46)
Beverly (46)
Billerica (46)
Boston (46)
Brant Rock (46)
Brockton (46)
Brookfield (43)
Canton (46)
Chatham (46)
Chicopee Falls (43)
Clinton (46)
Dracut (46)
East Brookfield (43)
Easton (46)
Edgartown (46)
Everett (46)

Falmouth (46)
Fitchburg (46)
Franklin (46)
Gardner (43)

Great Barrington (43)
Groton (46)
Haverhill (46)

Hyannis (46)
Lawrence (46)
Leicester (46)

Mansfield (46)
Marlboro (46)
Medon (46)

Montague (43)
Myricks (46)
Nantucket Island (46)
New Bedford (46)

Newburyport (46)
Norfolk (46)
North Adams (43)
Northampton (43)
North Attleboro (46)
North Grafton (46)
Norwood (46)
Oak Bluffs (46)
Orange (43)
Orleans (46)
Palmer (43)
Peabody (46)
Pittsfield (43)
Plymouth (46)
Revere (46)

Seekonk (46)
South Boston (46)
Southbridge (43)
South Easton (46)
South Weymouth (46)
Spencer (46)
Springfield (43)
Squantum (46)

Taunton (46)
Vineyard Haven (46)
Wareham (46)•
West Barnstable (46)
Westboro (46)
Westfield (43)
West Springfield (43)
Williamstown (43)
Worcester (46)

MICHIGAN

Adrian (35)

Allegan (35)
Alma (35)
Alpena (15)
Amasa (15)•
Ann Arbor (38)
Armada (38)
Atlanta (15)
AuGres (15)•
Baldwin (15)•
Bangor (35)
Battle Creek (35)
Bay City (38)
Belding (35)
Bellaire (15)•
Benton Harbor (35)
Big Beaver (38)
Big Lake (15)•
Big Rapids (35)
Birmingham (38)
Blaney (15)
Breedsville (35)
Cadillac (15)
Calumet (15)
Caro (38)
Centerville (35)•
Charlevoix (15)
Charlotte (35)
Clare (15)•
Clio (38)
Coldwater (35)
Croswell (38)
Crystal Falls (15)
Davison (38)
Detroit (38)
Douglas (35)
Dowagiac (35)
East Jordan (15)•
Elsie (35)
Escanaba (15)
Farmington (38)
Flint (38)
Fostoria (38)
Frankfort (15)
Fraser (38)
Gaylord (15)
Gladwin (15)
Grand Ledge (35)
Grand Rapids (35)
Grayling (15)
Greenville (35)
Harbor Beach (15)•
Harrison (15)•
Hartford (35)
Hastings (35)
Hillman (15)
Hillsdale (35)
Holland (35)
Houghton (15)
Houghton Heights (15)
Howell (38)
Indian River (15)•
Ionia (35)
Iron Mountain (15)
Ironwood (14)
Ishpeming (15)•
Ithaca (35)
Jackson (35)
Kalamazoo (35)
Kalkaska (15)•
Kinross (15)
Lakeview (35)
Lansing (38)
Lapeer (38)
Lawton (35)
Loretto (15)•
Ludington (15)
MacKinaw City (15)•
Manistee (15)
Manistique (15)•
Marenisco (15)•
Marquette (15)
Marshall (35)
Mason (35)
Menominee (15)
Midland (35)
Milan (38)
Mio (15)•
Mt. Clemens (38)
Mt. Pleasant (35)
Munising (15)•
Muskegon (35)
Newaygo (35)
Newberry (15)•
Newport (38)
Niles (35)

Norway (15)
Onaway (15)•
Oscoda (15)
Owosso (35)
Pellston (15)
Petoskey (15)•
Plymouth (38)
Pontiac (38)
Port Huron (38)
Prudenville (15)•
Reco (15)
Rexton (15)•
Rogers City (15)
Romulus (38)
Roscommon (15)•
Roseville (38)
Rothbury (35)
Saginaw (35,38)
St. Helen (15)
St. Ignace (15)
St. James (15)•
Saline (38)
Sault Ste. Marie (15)
Sidnaw (15)•
South Branch (15)
South Haven (35)
Sparta (35)
Sturgis (35)
Tecumseh (38)
Three Rivers (35)
Traverse City (15)

Utica (38)
Warren (38)
Watersmeet (15)•
Wayne (38)
West Branch (15)
White Cloud (35)•
Whitmore Lake (38)
Wildwood (15)
Winsm (38)
Wyandotte (38)
Ypsilanti (38)

MINNESOTA

Atkin (14)
Albert Lea (31)
Alexandria (11)
Amboy (31)
Anoka (14)
Appleton (11)
Austin (31)
Barnesville (11)
Baudette (14)
Bemidji (14)
Benson (11)
Blue Earth (31)
Brainerd (14)
Cokato (14)
Coleraine (14)
Crookston (11)
Detroit Lakes (11)
Dodge Center (14)
Duluth (14)
Ely (14)
Fairmont (31)
Faribault (14)
Fergus Falls (11)
Frontenac (14)
Graceville (11)
Grand Rapids (14)
Hamel (14)
Hastings (14)
Hector (14)
Hibbing (14)
Jordan (14)
Kenyon (14)
Lake City (14)

Le Sueur (14)
Little Falls (14)
Littlefork (14)
Litchfield (14)
Luverne (30)
Madison (11)
Mankato (14)

Marshall (11)
Mayer (14)•
Minneapolis (14)
Montevideo (11)
Monticello (14)
Morris (11)
New Brighton (14)
Nisswa (14)
New Ulm (14)
Ortonville (11)
Osseo (14)
Park Rapids (11)
Pipestone (30)
Princeton (14)
Redwood Falls (11)
Robbinsdale (14)
Rochester (31)
St. Cloud (14)
St. Paul (14)
St. Peter (14)
Sherburn (31)
South St. Paul (14)
Stanton (14)
Taylor Falls (14)
Thief River Falls (11)
Tofte (14)
Triumph (31)
Virginia (14)
Wadena (11)
Waseca (14)
Westbrook (11)
White Bear Lake (14)
Willmar (11)
Winona (14)
Worthington (30)

MISSISSIPPI

Aberdeen (123)
Batesville (102)
Biloxi (127)
Brookhaven (122)
Canton (102)•
Clarksdale (102)
Cleveland (102)
Columbus (123)
Corinth (103)
Ellisville (127)•
Eupora (123)
Flora (102)
Forest (123)
Glen Allan (102)
Greenville (102)
Greenwood (102)
Grenada (123)
Gulfport (127)
Hattiesburg (127)
Heads (102)•
Houston (123)
Jackson (122)(102)
Laurel (123)
Leland (102)
McComb (122)
McLaurin (127)
Marks (102)
Meridian (123)
Moorhead (102)
Natchez (122)
Nesbitt (102)
Newton (123)•
Oxford (103)
Pascagoula (127)
Pelahatchee (123)
Picayune (127)
Rockport (122)
Starkville (123)
Tupelo (103)
Tylertown (122)
Vicksburg (102)
Walls (102)
Winona (123)
Yazoo (102)
Yokena (122)
Zeigerville (102)

MISSOURI

Advance (103)
Bethany (31)
Bolivar (63)
Boonville (66)
Bowling Green (31)
Branson (63)•
Brookfield (31)
Butler (63)
Cameron (31)
Campbell (66)
Cape Girardeau (103)
Carthage (63)
Cassville (63)
Chillicothe (31)
Clinton (63)
Columbia (66)
Craig (30)
Diamond (63)
Ellisville (142)
Excelsior Spgs. (31)
Farmington (66)
Fayette (31)
Fenton (142)
Festus (66)
Fulton (66)
Garden City (63)
Grant City (31)
Gravois Mills (66)•
Hannibal (31)
Harrisonville (63)
Houston (66)
Iberia (66)
Independence (31)
Jefferson City (66)
Joplin (63)
Kansas City (31,63)
Kennett (66)
Kirksville (31)
Kirkwood (142)
Knobnoster (63)
Lebanon (66)
Lexington (31)
Linkville (31)
Luray (31)
McBride (67)
Machens (142)•
Malden (103)
Marceline (31)
Marshall (31)
Marysville (31)
Mexico (31)
Moberly (31)
Monett (63)
Neosho (63)
Nevada (63)
New Florence (66)
Osborn (31)
Poplar Bluff (66)
Rolla (66)
St. Charles (142)
St. Joseph (31)
St. Louis (142)
St. Peters (66)
Savannah (31)
Sedalia (63)
Sikeston (103)•
Slater (31)
Spanish Lake (66,142)
Springfield (63)
Tarkio (30)
Trenton (31)
Unionville (31)
Valley Park (142)
Versailles (66)
Vichy (66)
Warrensburg (63)
West Plains (66)
Windsor (63)

MONTANA

Alberton (6)
Baker (10)
Belt (6)
Big Timber (7)
Billings (7)
Birney (7)•
Bozeman (6)
Butte (6)
Cascade (6)
Chester (6)
Chinook (7)•
Choteau (6)
Circle (7)
Columbus (7)
Conrad (6)
Custer (7)
Cut Bank (6)
Deer Lodge (6)
Dell (6)
Denton (7)
Dillon (6)
Drummond (6)
Ennis (6)•
Eureka (3)
Flathead (6)•
Forsyth (7)
Fort Benton (6)
Fort Peck (7)
Gates Park (6)•
Geraldine (6)
Geyser (6)
Glasgow (7)
Glendive (10)
Great Falls (6)
Gregson (6)
Hamilton (6)
Hardin (7)•
Harlem (7)
Harlowton (7)
Havre (7)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Flat Rock, Mich (38) Waldo, Kans (30) Stanley, Kans. (63) Eaton Rapids, Mich. (35) Charleston, Mo. (103) Gallatin, Mo. (31) Gardiner, Mont. (6) Louisville, Miss. (123) North Brookfield, Mass. (43) Owatonna, Minn. (14) Galesburg, Mich. (35)
Essex, Mass. (46) Henderson, Ky. (67)

Helena (6)
Homestake (6)
Hot Springs (6)•
Huson (6)•
Ingomar (7)•
Jordan (7)•
Kalispell (6)
Lavina (7)
Lewistown (7)
Libby (5)
Livingston (6)
McDonald Pass (6)
Malta (7)
Mildred (7)
Miles City (7)
Missoula (6)
Mullan Pass (3)
Nibbe (7)
Park City (7)
Plains (6)
Plentywood (10)
Polsabridge (6)
Polson (6)
Poplar (7)•
Rapelje (7)
Red Lodge (7)•
Roundup (7)•
St. Xavier (7)
Scobey (7)
Seeley Lake (6)•
Shelby (6)
Sheridan (6)
Sidney (10)
Stanford (6)
Stevensville (6)
Superior (6)
Tampico (7)
Thompson Falls (3)
Townsend (6)
Troy (6)•
Twin Bridges (6)
Valier (6)
Vida (7)
West Yellowstone (6)
Whitehall (6)
White Sulphur Spgs.
Whitetail (6)
Winston (6)
Wolf Point (7)

NEBRASKA

Ainsworth (30)
Alliance (27)
Atkinson (30)
Auburn (30)
Bayard (27)
Beatrice (30)
Beaver City (30)
Benkelman (27)
Big Springs (27)
Blair (30)
Brainard (30)
Broken Bow (30)
Bruning (30)
Chadron (27)
Chappell (27)
Clay Center (30)
Columbus (30)
Cozad (30)
Crawford (27)
Crete (30)
David City (30)
Decatur (30)
Elgin (30)
Fairbury (30)
Falls City (30)
Fort Robinson (27)
Fremont (30)
Geneva (30)
Gordon (27)
Grand Island (30)
Harvard (30)
Hastings (30)
Hayes Center (27)
Hay Springs (27)
Hebron (30)
Holdrege (30)
Humboldt (30)
Imperial (27)
Kearney (30)
Lexington (30)
Lincoln (30)
Lorenzo (27)
McCook (27)
Mead (30)
Mitchell (27)
Norfolk (30)
North Platte (27)
Ogallala (27)
Ohiowa (30)
Omaha (30)
Oshkosh (27)
Overton (30)
Pender (30)
Rushville (27)•
Scottsbluff (27)
Scribner (30)
Seneca (27)
Sidney (27)
Tecumseh (30)
Valentine (27)•
Wayne (30)
Weeping Water (30)

NEVADA

Alamo (54)•
Austin (22,51)
Battle Mountain (22)
Boulder City (54)
Buffalo Valley (22)
Caliente (54)
Carlin (22)
Carson City (51)(22)
Crystal (54)
Death (22)
Elko (22)
Ely (23)
Fallon (51) (22)
Fernley (51) (22)
Gabbs (51)
Hawthorne (51)
Humboldt (22)
Indian Springs (54)
Las Vegas (54)
Lovelock (22,51)
Manhattan (51)•
Minden (51)
Mormon Mesa (54)
Orovada (22)•
Owyhee (22)
Reno (51)(22)
Scottys (51)
Searchlight (54)•
Smith (51)
Sparks (22,51)
Tonopah (51)
Ventosa (23)
Wadsworth (22)
Wells (23)
Winnemucca (22)
Yerington (51) (22)

NEW HAMPSHIRE

Berlin (18)
Boscawen (46)
Claremont (43)
Concord (46)
Haverhill (18)
Hampton (46)
Hinsdale (43)
Hooksett (46)
Keene (43)

Lancaster (18)
Laconia (46)
Lebanon (43)
Littleton (18)
Manchester (46)
Nashua (46)
Newport (43)
North Conway (18)
Plymouth (46)
Portsmouth (46)
Sommersworth (46)

Twin Mountain (18)
Whitefield (18)
Wolfeboro (46)

NEW JERSEY

Adamston (79)•
Almonesson (78)
Andover (79)
Asbury Park (79)
Ashland (78)
Atlantic City (79)
Auburn (78)
Barrington (78)
Basking Ridge (79)
Belmar (79)
Belvidere (42)
Bendix (79)
Blairstown (42,79)
Boonton (79)
Bridgeport (78)
Bridgeton (78)
Burlington (78)
Caldwell (79)
Camden (78)
Cape May (79)
Cassville (79)
Chatsworth (79)•
Clarksville (79)
Clinton (79)
Elizabeth (79)
Forked River (79)
Freehold (79)
Glassboro (78)
Greenwich (79)
Hackettstown (79)
Hightstown (79)
Keyport (79)•
Lakehurst (79)
Landisville (79)
Lebanon (79)
Lincoln Park (79)

Metuchen (79)
Millville (79)
Moorestown (78)
Morristown (79)
Newark (79)
New Brunswick (79)
North Brunswick (79)
Ocean City (79)•
Paterson (79)
Pennington (79)
Penns Grove (75)

Pitman (78)
Pittstown (75)
Princeton (79)
Rahway (79)
Readington (79)
Red Bank (79)
Richland (79)

Salem (75)

Sussex (43)
Trenton (78) (79)
Vineland (78)
Wildwood (79)
Woodbine (79)
Woodbridge (79)
Wrightstown (79)

NEW MEXICO

Acomita (55)
Alamogordo (90) (87)
Albuquerque (58)
Anton Chico (58)
Artesia (90)
Aztec (55)•
Belen (58)
Bernio (87)
Carlsbad (90)
Carrizozo (90)
Clayton (58)
Clovis (58)
Columbus (87)
Cubero (55)•
Cuervo (58)
Deming (87)
Dora (90)
Eagle Nest (58)•
El Morro (55)
Engle (87)
Farmington (58)
Fort Sumner (58)
Gallup (58)
Hachita (87)
Harrington Ranch (87)
Hobbs (91)
Hot Springs (87)
Hurley (87)
Jal (91)
Juan Tomas (58)
Las Cruces (87)
Las Vegas (58)
Lordsburg (86)
Lovington (90)
Magdalena (58)
Maxwell (58)•
Mesilla Park (87)
Milnesand (90)
Mountainair (58)
Mount Riley (87)
Otto (58)
Peralta (86)
Portales (58)
Raton (58)

Rodeo (86)
Roswell (90)
Roy (58)•
Ruidoso (90)
Santa Fe (58)

Shiprock (55)•
Silver City (87)
Strauss (87)
Taos (58)
Tucumcari (58)
Tularosa (87)•
Wagon Mound (58)

NEW YORK

Accord (43)
Albany (43)

Amityville (79)
Angola (39)
Amsterdam (43)
Arcade (39)
Armonk (43)
Auburn (42)
Auriesville (43)

Ballston Spa (43)
Batavia (39)
Bayport (79)•
Bedford (42)•
Beekman (43)
Bethpage (79)
Billings (43)
Binghamton (42)
Blasdell (39)
Boonville (42)
Brentwood (79)•
Buffalo (39)
Cairo (43)
Canastota (42)
Carlisle (43)
Carthage (42)
Catskill (43)
Cheektowaga (39)
Cicero (42)
Clarence (39)
Clason's Point (79)
Colonie (43)
Cooperstown (43)
Cortland (42)
Dansville (43)
Deer Park (79)•
Delanson (43)
Depew (39)

Dunkirk (39)

East Amherst (39)
East Greenbush (43)
East Hampton (79)
East Pembroke (39)
Edgemere (79)
Elmira (42)
Endicott (42)
Falconer (39)
Farmingdale (79)
Fisher's Island (43)
Flatbush (79)
Flushing (79)
Fort Plain (43)
Fredonia (39)
Fulton (42)
Gardenville (39)
Geneva (42)
Getzville (39)
Glens Falls (43)
Gloversville (43)
Gowanda (39)
Great Bend (18)
Greenridge (79)
Halcott Center (43)
Hamburg (39)
Hamilton (43)
Hammondsport (42)
Hancock (42)•
Hempstead (79)
Herkimer (43)
Hicksville (79)
Hilton (42)
Honeoye Falls (42)
Hornell (42)
Horseheads (42)
Idlewild (79)
Islip (79)
Ithaca (42)
Jamestown (39)
Johnstown (43)
Keene (18)•
Keeseville (18)
Kingston (43)
Kirkville (42)

Lake Placid (18)
Lancaster (39)
Lockport (39)
Malone (18)
Margaretville (43)
Massapequa (79)
Massena (18)
Mastic (79)
Mattituck (79)
Medina (39)
Medway (43)
Mexico (42)
Middleburg (43)
Middletown (43)
Minoola (79)
Minoa (42)

Montgomery (43)
Monticello (43)
Montour Falls (42)
Moravia (42)
Narrowsburg (42)
Newark (42)
New Baltimore (43)
Newburgh (43)
New City (43)
New Hackensack (43)
New Springville (79)
New York (79,
Niagara Falls (39)

North Tonawanda (39)
Northville (43)
Norwich (42)
Nyack (43)
Ogdensburg (18)
Olcott (39)
Olean (39)
Oneonta (42)

Owasco (42)•

Painted Post (42)
Palmyra (42)
Penn Yan (42)
Perry (39)
Piseco (43)
Pittsford (42)
Plattsburg (18)
Port Chester (79)
Port Jervis (43)

Potsdam (18)
Pulaski (42)
Ravena (43)
Red Creek (42)
Rexford (43)
Rhinebeck (43)
Richland (42)
Richmondville (42)
Ripley (39)
Rochester (42)
Rockaway Park (79)
Rome (42)

Salamanca (39)
Saranac Lake (18)
Saratoga Springs (43)
Sayville (79)•
Schenectady (43)
Schuylerville (43)
Scottsville (42)
Selkirk (43)•
Seneca Falls (42)
Sidney (42)
Silver Creek (39)
Silver Springs (39)
Sonyera (42)
Springville (39)

Stormville (43)
Syracuse (42)
Ticonderoga (43)
Tonawanda (39)
Travis (79)•
Troy (43)
Tupper Lake (18)•
Utica (43)
Valley Stream (79)
Walden (43)
Walkill (43)
Wappingers Falls (43)
Warwick (43)
Watertown (42)(18)•
Wellsville (42)
Westfield (39)•
Westhampton Beach (79)
Westport (18)
White Plains (43)

Whitesville (42)
Williamsville (39)
Wingdale (43)
Wolcottsville (39)
Wurtsboro (43)

NORTH CAROLINA

Aberdeen (110)
Albermarle (110)
Asheboro (110)
Asheville (107)
Atlantic (111)
Aydlette (111)
Barco (111)
Beaufort (111)
Belmont (110)
Black Mountain (107)
Bogue (111)
Burgaw (111)
Burlington (110)
Candor (110)•
Carolina Beach (111)
Chapel Hill (110)
Charlotte (110)
Cherry Point (111)
Clinton (111)
Concord (110)
Derita (110)
Draper (110)
Durham (110)
Eagle Springs (110)
Edenton (111)
Elizabeth City (111)
Elkin (110)
Erwin (110)
Fayetteville (110)
Fort Bragg (110)
Franklin (107)
Gastonia (110)
Gibsonville (110)
Goldsboro (111)
Greensboro (110)
Greenville (111)
Henderson (111)
Hendersonville (107)
Hickory (110)
High Point (110)
Hoffman (110)
Jacksonville (111)•
Jonesville (110)
Kannapolis (110)
Kings Mountain (110)
Kinston (111)
Lillington (110)
Lincolnton (110)
Louisburg (111)
Lumberton (110)
Masteo (111)
Marion (107)
Marion (110)
Mayodan (110)
Mocksville (110)
Monroe (110)
Morganton (107)
Mt. Airy (110)
Mt. Olive (111)
New Bern (111)
New River (111)
North Wilkesboro (110)
Oxford (110)
Pinehurst (110)
Pollocksville (111)
Raleigh (110)
Red Springs (110)
Reidsville (110)
Roanoke Rapids (111)
Rockingham (110)
Rocky Mount (111)
Romboro (110)
Salisbury (110)
Sanford (110)
Selma (111)
Shelby (107)
Southern Pines (110)
South Mills (111)
Spindale (107)
Statesville (110)
Sylva (107)
Tarboro (111)
Wadesboro (110)
Wallace (111)
Warrenton (111)
Washington (111)
Weeksville (111)
West Jefferson (107)
Whiteville (110)
Wilmington (111)
Wilson (111)
Winston-Salem (110)
Yanceyville (110)
Zebulon (111)

NORTH DAKOTA

Abercrombie (11)
Ashley (11)
Beach (10)
Bismarck (10)
Bowman (10)
Cando (11)
Carrington (11)
Crosby (10)
Dawson (11)
Devils Lake (11)
Dickinson (10)
Driscoll (10)
Dunseith (10)•
Fargo (11)
Fessenden (11)
Glen Ullin (10)
Golva (10)
Grand Forks (11)
Harvey (11)
Jamestown (11)
Judson (10)
Killdeer (10)
Langdon (11)
Lisbon (11)
Minot (10)
Mohall (10)
Mott (10)
New England (10)
New Rockford (11)
Parshall (10)
Pembina (11)
Rhame (10)
Rolla (11)
Rugby (10)
Towner (10)
Valley City (11)
Wahpeton (11)
Washburn (10)
Watford (10)
West Fargo (11)
Wheatland (11)
Williston (10)
Wyndmere (11)

OHIO

Akron (36)
Alliance (36)
Amanda (71)•
Archbold (36)
Ashland (36)
Ashtabula (36)
Athens (71)
Avon Lake (36)
Barberton (36)
Bedford (139)
Bowling Green (36)
Brecksville (36)
Brookfield (39)
Bucyrus (36)
Cambridge (71)
Canton (36)
Chagrin Falls (136)
Chardon (139)
Cherry Fork (71)
Chesapeake (71)
Chillicothe (71)
Cincinnati (70)
Cleveland (136)
Coldwater (70)
Columbus (71)
Conneaut (39)
Creoksville (71)
Dayton (70)
Defiance (36)
E. Liverpool (39)

(88)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line

West Point,Nebr.(30) Somerville,N.J.(79) Socorro,N.M.(58) Rushville,N.Y.(42) Goodsprings,Nev.(54) Genoa,Nev (51) East Hanover,N.J.(79) Marlton,N.J.(78) Commack,N.Y.(79) New Paltz,N.Y.(43) Moore,Mont.(7) Lakewood,N.J.(79) Livingston Manor, N.Y.(43) Millerton,N.Y.(43) Poughkeepsie,N.Y.(43) Potter,Nebr.(27) Schuyler,Neb. (29) Newton ,N. C. (110)

Elyria (139)
Fairfield (70)
Findlay (38)
Fremont (38)
Fostoria (38)
Galion (38)
Gallipolis (71)•
Greenford (39)
Greenville (70)
Grove City (71)
Hamilton (70)
Harrison (70)•
Hayesville (38)
Hicksville (35)
Hilliard (71)
Homerville (38)
Hudson (139)
Jackson (71)
Johnsville (70)
Kellys Island (38)•
Kent (38)
Kenton (71)
Lancaster (71)
Lebanon (70)•
LeRoy (38)
Lewisburg (70)
Lima (35)
Lorain (139)
Loveland (70)
Magnolia (71)
Mansfield (38)
Marietta (71)
Marion (71)
Mason (70)
Massillon (38)
Medina (38)
Middletown (70)
Minford (71)
Montezuma (70)
Morrow (70)•
Mt. Liberty (71)
Mt. Orab (71)
Mt. Vernon (71)
Nevada (38)
Newark (71)
New Holland (71)
New Paris (70)
New Philadelphia (71)
North Benton (38)
Northfield (139)
North Royalton (38)
Norwalk (38)
Oxford (70)
Paulding (35)
Perry (38)
Piqua (70)
Port Clinton (38)
Portsmouth (71)
Put-in-Bay (38)
Rushsylvania (71)•
Sandusky (38)
Sharonville (70)
Sidney (70)
Solon (139)
Springfield (71)
Summit Station (71)
Tiffin (38)
Tiltonsville (74)•
Toledo (38)
Toronto (74)
Troy (70)
Urbana (71)
Vandalia (70)•
Van Wert (35)
Vermilion (139)
Verona (70)
Warren (39)
Washington (71)
Watertown (71)
Wauseon (35)
Wellington (38)
Willard (38)
Williamsfield (39)
Willoughby (139)
Wilmington (71)
Woodsfield (71)•
Wooster (38)
Youngstown (38)
Zaleski (71)•
Zanesville (71)
Wapakoneta (70)

OKLAHOMA

Ada (95)
Afton (63)
Altus (94)
Anadarko (95)
Antlers (95)
Alva (62)
Ardmore (95)
Atoka (95)
Bartlesville (62)
Blackwell (63)
Boise City (59)
Buffalo (59)
Calumet (98)
Carnegie (94)
Cherokee (62)
Cheyenne (94)
Chickasha (98)
Claremore (63)
Clinton (94)
Cordell (94)
Cushing (62)
Delhi (94)
Dill (94)
Duncan (95)
Durant (95)
Edmond (62)
Elk City (94)
El Reno (98)
Enid (62)
Erick (94)
Fort Cobb (95)
Frederick (94)
Gage (59)
Geary (95)
Grandfield (94)
Guthrie (62)
Guymon (59)
Heavener (99)•
Hobart (94)
Holdenville (95)
Hollis (94)
Hugo (99)
Idabel (99)
Jefferson (62)
Jet (63)
Kingfisher (62)
Lamont (62)
Langston (62)
Lawton (94,95)
Lexington (98)
McAlester (95)
Mangum (94)
Marietta (95)
Marlow (95)
Miami (63)
Moore (98)
Moseley (63)
Muskogee (99) (63)
Nashoba (99)•
Newalla (95)
Newkirk (62)
Norman (98)
Nowata (63)
Oklahoma City (95,98)
Okmulgee (95)
Pauls Valley (95)
Pawhuska (62)
Perry (62)
Picher (63)
Ponca City (62)
Poteau (99)•
Pryor (63)
Red Fork (62)
Roosevelt (94)
Sapulpa (62)
Sayre (94)
Seminole (95)
Sentinel (94)
Shawnee (95)
Skiatook (62)
South Coffeyville (63)
Stillwater (62)
Stilwell (63)
Stroud (62)
Tahlequah (63)
Thomas (62)
Tishomingo (95)•
Tonkawa (62)
Tulsa (62,63)
Verdigris River (63)
Vinita (63)
Walters (95)
Washington (95)
Watonga (62)
Weatherford (94)
Wetumka (95)
Wewoka (99)
Woodward (59)
Yukon (98)

OREGON

Albany (2)
Alkali (22)
Arlington (2)
Astoria (2)
Aurora (142)
Baker (3)
Bay Ocean (2)
Beaver Marsh (19)
Beaverton (142)
Bend (2)
Boardman (3)
Brooks (2)
Burns (22)
Cabbage Hill (3)
Canby (142)
Cave Junction (19)•
Corvallis (2)
Cow Creek (19)
Dallas (2)
Deamark (19)
Elgin (3)•
Eugene (2)
Grants Pass (19)
Gresham (142)
Harrisburg (2)
Hermiston (3)
Hillsboro (142)
Hood River (2)
Idanha (2)•
Joseph (3)
Klamath Falls (19)
La Grande (3)
Lakeside (19)
Lakeview (19)
Lebanon (2)
Lexington (3)
McMinnville (2)
Madras (2)
Medford (19)
Milton (3)
Monmouth (2)
Mulino (142)
Myrtle (19)
Newberg (142)
Newport (2)
North Bend (19)
Ontario (3)
Oregon City (142)
Pendleton (3)
Pilot Rock (3)
Portland (142)
Prineville (2)
Redmond (2)
Riddle (19)
Rome (22)
Roseburg (19)
Scappoose (142)
Sheridan (2)
Silverton (2)
Sutherlin (19)
Sweet Home (2)
The Dalles (2)
Tillamook (2)
Trail (19)
Troutdale (142)
Vernonia (2)
Wasco (2)
Williamette (2)
Woodburn (142)
Worden (19)

PENNSYLVANIA

Allentown (42, 75)
Altoona (74)
Ambler (78)
Andreas (42)
Athens (42)
Beaver Falls (39)
Bellefonte (42)
Bloomsburg (42)
Boothwyn (78)
Bradford (39)
Bristol (78)
Brookway (39)
Brookville (39)
Buckstown (74)
Butler (39)
Canadensis (42)
Campbelltown (75)
Carlisle (75)
Cecil (74)
Chambersburg (78)
Chester (78)
Clarion (39)
Clearfield (39)
Coatesville (75)
Collegeville (78)
Conneaut Lake (39)
Connellsville (74)
Conway (39)
Corbett (42)
Corry (39)
Cresson (74)
Daleville (42)
Danville (42)
Douglassville (75)
Doylestown (78)
Dubois (39)
Duncansville (74)
Easton (42,75)
Ebensburg (74)
Elysburg (42)
Erie (39)
Fogelsville (75)
Gettysburg (75)
Gordon (42)
Granville (75)
Greensburg (74)
Greenville (39)
Grove City (39)
Hanover (75)
Harrisburg (75)
Harrison (74)
Hasleton (42)
Hershey (75)
Holmesburg (78)
Hookstown (74)
Hughesville (42)
Huntingdon (74)
Indiana (74)
Johnstown (74)
Johnsville (78)
Kearsarge (39)
Kutztown (75)
Kylertown (39)
Lake Carey (42)
Lancaster (75)
Langhorne (78)
Lansdale (78)
Latrobe (74)
Leechburg (74)
Lehighton (42)
Lewistown (75)
Linesville (39)
Lock Haven (42)
Marchand (39)
Mars (39)
Matamoras (43)
Meadville (39)
Mercer (39)
Middletown (75)
Milton (42)
Mohrsville (75)
Montgomeryville (78)
Morrisville (78)
Mt. Jewett (39)
Mt. Pleasant (74)
Mt. Pocono (42)
Mt. Union (75)
Myerstown (75)
New Alexandria (74)
New Hanover (75)
New Kingston (75)
Nicholson (42)•
Norristown (78)
North Springfield (39)
Oil City (39)
Olyphant (42)•
Paoli (75)
Philadelphia (78)
Philipsburg (39)
Pine Grove (75)
Pitcairn (74)
Pittsburgh (74)
Pottstown (75)
Pottsville (75)
Punxsutawney (39)
Quakertown (78)
Reading (75)
Ridgeway (39)
Saltz (74)
Sayre (42)
Scranton (42)
Selinsgrove (42)
Seven Valleys (75)
Slatington (42)
Somerset (74)
State College (42)
Stroudsburg (42)
Summerhill (74)
Sunbury (42)
Tamaqua (42)
Tarentum (74)
Towanda (42)
Tunkhannock (42)
Utahville (39)
Vandergrift (74)
Wallaceton (39)
Warren (39)
Waynesboro (75)
Waynesburg (74)
Wilkes-Barre (42)
Williamsport (42)
Willow Grove (75)
Womelsdorf (75)
York (75)
Youngsville (39)

RHODE ISLAND

Charlestown (46)
Greene (46)
Providence (46)
Smithfield (46)
Westerly (46)
Woonsocket (46)

SOUTH CAROLINA

Aiken (131)
Allendale (131)
Anderson (107)
Bamberg (131)
Barnwell (131)
Beaufort (131)
Bennettsville (110)
Calhoun Falls (107)
Camden (110)
Charleston (131)
Cheraw (110)
Chesnee (107)•
Chester (110)
Columbia (131)
Darlington (110)
Ellore (131)
Estill (131)
Florence (110)
Georgetown (131)
Greenville (107)
Greenwood (107)
Hartsville (110)
Kershaw (110)
Lancaster (110)
Lane (131)
Laurens (107)
Little Rock (110)•
Manning (131)
Myrtle Beach (131)
North (131)
North Augusta (131)
Orangeburg (131)
Parris Island (131)
Ridgeland (131)
Rock Hills (110)
St. Matthews (131)
Spartanburg (107)
Summerville (131)
Sumter (131)
Timmonsville (110)
Trenton (131)
Walterboro (131)
Wampee (131)

SOUTH DAKOTA

Aberdeen (11)
Belle Fourche (10)•
Brookings (11)
Chamberlain (30)
Custer (27)
Edgemont (27)
Elk Point (30)
Eureka (11)•
Faulkton (11)
Flandreau (11)
Gregory (30)
Hot Springs (27)
Huron (11)
Lemmon (10)
Madison (11)
Martin (27)
Miller (11)
Mitchell (30)
Mobridge (10)
Newell (10)
Philip (10)
Pierre (10)
Platte (30)
Rapid City (10)
Redfield (11)•
Reliance (30)
Sioux Falls (30)
Spearfish (10)
Stevens (30)
Vermillion (30)
Wagner (30)
Watertown (11)
Willow Lake (11)
Winner (30)
Yankton (30)

TENNESSEE

Chattanooga (106)
Clarksville (103)
Cookeville (106)
Cowan (106)
Crossville (106)
Cuba (103)
Dyersburg (103)
Fairview (106)
Fisherville (103)
Gallatin (106)
Graham (103)
Green Brier (106)
Humboldt (103)
Jacks Creek (103)
Jackson (103)
Kingston (106)
Knoxville (107)
Lebanon (106)
McMinnville (106)•
Manchester (106)
Martin (103)
Memphis (103)
Milan (103)
Morristown (107)
Mount Pleasant (103)
Murfreesboro (106)
Nashville (106)
Piedmont (107)
Pulaski (106)
Smithville (106)
Tallassee (107)
Tri-City (107)
Tullahoma (106)
Union City (103)
Walterhill (106)
Whiteville (103)

TEXAS

Abernathy (91)
Abilene (94)
Adrian (59)
Alamo (114)
Albany (94)
Alice (114)
Alpine (87)
Amarillo (59)
Anahuac (119)
Anson (94)
Arcola (118)
Azle (94)
Arlington (94)
Asherton (114)
Austin (118)
Austwell (114)
Baird (94)
Ballinger (115)
Bandera (115)
Bay City (118)
Beaumont (119)
Beeville (114)
Belton (118)
Big Spring (91)
Bonham (98)
Borger (59)
Bowie (95)•
Brackettville (115)
Brady (115)
Breckenridge (94)
Brownfield (91)
Brownsville (114)
Brownwood (115)
Bryan (118)
Burkburnett (94)
Burnet (115)
Cameron (118)•
Canadian (59)
Candelaria (87)•
Canyon (59)
Carrizo Springs (114)
Carthage (119)
Castolon (87)•
Castroville (115)•
Childress (94)
Cisco (94)
Clarendon (94)
Clarksville (99)
Claude (59)
Cleburne (118) (98)
Coleman (115)
College Station (118)
Comanche (115)•
Commerce (95)
Conroe (118)
Corpus Christi (114)
Corsicana (118)
Crane (91)
Crystal City (114)
Cuero (114,118)
Cypress (118)
Dalhart (59)
Dallas (98)
Damon (118)
Delaware Springs (90)
Del Rio (87)
Denison (95)
Denton (95)
Dimmitt (59)
Dolores (114)•
Dryden (87)
Dublin (115)
Dumas (59)
Duncanville (98)
Eagle Pass (114)
Eastland (94)
Eden (115)
Edinburg (114)
Edna (114)
El Campo (118)
Eldorado (91)
Electra (94)
El Paso (87)
Elsa (114)
Ennis (118)
Falfurrias (114)
Floydada (59)
Forney (95)
Fort Hancock (90)•
Fort McKavett (115)
Ft. Stockton (91)
Fort Worth (98)
Freeport (114)
Freer (114)•
Friona (59)
Gainesville (95)
Galveston (119)
Garland (98)
Gatesville (118)
Georgetown (118)
Gilmer (99)•
Gladewater (99)
Gonzales (118)
Goose Creek (119)
Gorman (115)
Grand Prairie (98)
Gregory (114)
Greenville (95)
Guadalupe Pass (90)
Hamilton (115)
Hammond (118)
Handley (98)
Harlingen (114)
Harpersville (94)
Haslet (95,98)
Henderson (119)
Hereford (59)
Hitchcock (119)
Hondo (115)
Houston (118,119)
Hudspeth (90)
Hueco Mountain (87)
Huntsville (118)
Idalou (91)
Iraan (91)•
Jacksonville (118)
Joshua (98)
Karnack (99)
Kaufman (98)
Kenedy (114)
Kent (90)
Kermit (91)
Kerrick (59)
Kerrville (115)
Kilgore (99)
Killeen (118)
Kingsville (114)
Kirbyville (119)•
Knox City (94)
Lamesa (91)
Lampasas (115)
Laredo (114)
Leaday (115)
Levelland (91)
Littlefield (91)
Llano (115)
Longfellow (87)•

(65)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Wakeman,Ohio(139) Salem,Ore.(2) Cottage Grove,Ore (20)Enterprise,Ore.(3) Britton,S.D (11) Carthage,S.D.(11)Dell Rapids,S.D.(30) Milbank,S.D.(11)Presho,S.D.(27)Sisseton,S.D.(11) Mt. Juliet,Tenn (106) Denver City,Tex.(91)Hooker,Ohio(71) Reynoldsburg,Ohio(71)Hinton,Okla.(98) New Castle,Penna.(39) Eagle Point,Ore.(19) Bryan,Ohio(35)Lewistown,Ohio (71) Gruyer,Tex.(59) ,Hearne ,Tex. (118)

Longview (99)
Los Fresnos (114)
Louise (118)
Lubbock (91)
Lufkin (118)
Luling (118)
McAllen (114)
McCamey (91)
McKinney (99)
Madisonville (118)•
Magnolia Beach (114)
Marathon (97)
Marfa (97)
Marlin (118)
Marshall (99)
Mason (118)•
Matagorda Island (114)
Matagorda Peninsula(114)
Mathis (114)•
Mercedes (114)
Mexia (118)
Midland (91)
Mineola (99)
Mineral Wells (98)
Mission (114)
Monahans (91)
Mt. Pleasant (99)
Muleshoe (59)
Muenster (98)
Nacogdoches (119)
Navasota (118)
Newark (98)
New Braunfels (118,142)
Odessa (91)
Old Ocean (114)
Olney (94)
Orange (119)
Orla (90)
Ozona (91)
Paducah (94)
Palacios (114)
Palestine (118)
Pampa (94)
Paris (99)
Parker (118)
Pawnee (114)
Pecos (90)
Perryton (59)
Plainview (59)
Pleasanton (114)
Port Arthur (119)
Portland (114)
Port Lavaca (114)
Poteet (114)
Prairie Hill (118)
Presidio (97)•
Pyote (91)
Quanah (94)
Ranger (94)
Raymondville (114)
Red Bluff (90)
Refugio (114)
Rita Santa (91)•
Roaring Springs (91)
Rockport (114)
Rock Springs (115)•
Salt Flat (90)
San Angelo (115)
San Antonio (142)
San Benito (114)
Sanderson (97)•
San Marcos (118)
Sayers (142)
Schulenburg (118)
Seguin (118)
Seymour (94)
Sherman (95)
Sierra Blanca (90)•
Simms (99)
Sinton (114)
Soncy (59)
Spearman (59)
Spring Branch (115)
Spur (91,94)
Stamford (94)
Stanton (91)
Stephenville (115)
Sulphur Springs (95)
Sweetwater (94)
Taft (114)
Taylor (118)
Teague (118)
Temple (118)
Terlingua (97)•
Terrell (96,98)
Texarkana (99)
Texas City (119)
Texhoma (59)
Tulia (59)
Twitty (94)
Tyler (118)
Uvalde (115)
Van Horn (90)
Velasco (114)
Vernon (94)
Victoria (114)
Waco (118)
Wanahachie (98)
Weatherford (95)
Webster (118)
Wellington (94)
Weslaco (114)
Westbrook (91)
Wharton (118)
Wichita Falls (94)
Wills Point (95)
Wink (91)
Winters (115)
Wolfe City (95)
Yoakum (118)
Zuehl (142)

Hillsboro (118)

UTAH

Beaver (54)
Bountiful (23)
Brigham (23)
Bryce Canyon (54)
Cedar City (54)
Corinne (23)
Delta (23)
Duchesne (23)•
Enterprise (54)
Ephraim (23)
Fairfield (23)
Fillmore (54)
Goulding (55)
Grantsville (23)
Hanksville (55)
Huntsville (23)
Knolls (23)
Layton (23)
Logan (23)
Low (23)
Lucin (23)
Midvale (23)
Milford (54)
Mt. Pleasant (23)
Myton (23)•
Nephi (23)
Ogden (23)
Price (23)
Promontory Point (23)
Provo (23)
Richfield (54)
Riverton (23)
Roosevelt (26)
St. George (54)
Salt Lake City (23)
Spanish Fork (23)
Timpie (23)
Toole (23)
Vernal (26)
Wendover (23)

VERMONT

Bennington (43)
Berlin (18)
Bristol (18)
Burlington (18)
Fair Haven (43)
Grande Isle (18)
Huntington (18)
Manchester (43)
Newport (18)
Rutland (43)
St. Johnsbury (18)
Springfield (43)
Swanton (18)
Vergennes (18)
White River Jct. (43)

VIRGINIA

Alberta (111)
Alexandria (78)
Altavista (110)
Annandale (78)
Bedford (110)
Big Stone Gap (107)
Blacksburg (110)
Blackstone (111)
Charlottesville (74)
Chester (75)
Chilhowie (107)
Chincoteague (75)
Clarksville (111)•
Clover (110)
Covington (74)
Creeds (111)
Dahlgren (75)
Danville (110)
Dawn (75)
Deep Creek (111)
Drivers (139)
Eclipse (111)
Emporia (111)
Falls Church (78)
Farmville (111)
Fentress (139)
Franklin (139)
Fredericksburg (75)
Front Royal (74)
Galax (110)
Gordonsville (74)
Greys Point (75)•
Hampton (139)
Harcum (75)•
Harrisonburg (74)
Herndon (75)
Hopewell (111)
Hot Springs (74)
Langley (139)
Lawrenceville (111)
Leesburg (75)
Lexington (74)
Lively (75)
Lynchburg (74,110)
Manassas (75)
Martinsville (110)
Melfa (75)
Milford (75)
Montvale (74)
Mt. Vernon (78)
Narrows (74)
Norfolk (139)
Oceana (139)
Parksley (75)
Petersburg (111)
Pulaski (110)
Pungo (139)
Quantico (78)
Richlands (107)
Richmond (75)
Roanoke (110)
Staunton (74)
Suffolk (139)
Tappahannock (75)
Virginia Beach (139)
Warrenton (75)
Waverly (139)
Waynesboro (74)
Weirwood (75)
West Point (75)
Williamsburg (111)
Winchester (74)
Windsor (139)

WASHINGTON

Aberdeen (2)
Almira (3)
Arlington (2)
Bellevue (142)
Bellingham (2)
Blaine (2)
Bothell (2)•
Bremerton (142)
Burlington (2)
Camano Island (2)
Camas (142)
Chehalis (2)
Chelan (3)
Chewelah (3)
Clarkston (3)
Cle Elum (2)
College Place (3)
Colville (3)
Connell (3)
Coulee City (3)

Coupeville (3)
Davenport (3)
Deer Park (3)
Dungeness (2)
Easton (2)
East Sound (2)
Ellensburg (2)
Enumclaw (142)
Ephrata (3)
Everett (2)
Forks (2)•
Goldendale (2)•
Harrington (3)
Hobart (2)
Ilwaco (2)
Issaquah (142)
Kelso (2)
Kennewick (3)
Kent (142)
Kittitas (3)
La Crosse (3)
Lakeview (2)
Lind (3)

Mead (3)
Metaline Falls (3)•
Monroe (2)
Moses Lake (3)
Mt. Vernon (2)
Neah Bay (2)
Newport (3)
North Bend (2)

Okanogan (3)
Olympia (2)
Omak (3)
Opportunity (3)
Orchards (142)
Oroville (3)
Pasco (3)
Paterós (3)
Port Angeles (2)
Port Orchard (2)
Port Townsend (2)
Prosser (3)
Pullman (3)
Puyallup (142)
Quillayute (2)
Randle (2)•
Renton (142)
Republic (3)•
Ritzville (3)
Rosalia (3)
Seattle (142)
Shelton (2)

Snohomish (2)
Spanaway (142)
Spokane (3)
Stevenson (2)
Sunnyside (2)
Tacoma (142)
Toledo (2)
Tonasket (3)
Toppenish (2)
Twisp (2)
Vancouver (142)
Walla Walla (2)
Washougal (2) (142)
Washtucna (3)
Wenatchee (2)
Westport (2)
Whidbey Island (2)
Wilbur (3)
Winthrop (2)
Woodland (2)
Yakima (2)

WEST VIRGINIA

Beckley (71)
Buckhannon (74)
Bunker Hill (74)
Burlington (74)
Charleston (71)
Clarksburg (74)
Elkins (74)
Glendale (74)
Hinton (74)
Logan (71)
Marlinton (74)
Martinsburg (75,74)
Moorefield (74)
Morgantown (74)
Parkersburg (71)
Paynesville (107)
Pence Springs (74)•
Petersburg (74)
Princeton (71)
Ravenswood (71)
Romney (74)
Ronceverte (74)
Spencer (71)
Sutton (74)
Terra Alta (74)
Weston (74)
Wheeling (74)
White Sulphur Spgs.(74)
Williamson (71)
Winfield (71)

WISCONSIN

Amery (14)
Antigo (15)
Appleton (15)
Arbor-Vitae (15)•
Ashland (14)
Baraboo (34)
Beaver Dam (34)
Black River Falls (14)
Bloomer (14)
Boulder Junction (15)
Boyceville (14)
Brodhead (34)
Camp Douglas (31)
Camp McCoy (31)
Cedarburg (34)
Chetek (14)
Chippewa Falls (14)
Clintonville (15)
Colby (14)
Dallas (14)
Darlington (31)
Durand (14)
Eagle River (15)•
Eau Claire (14)
Elkhorn (34)
Fifield (14)•
Fond du Lac (34,15)
Genesee (34)
Green Bay (15)
Hayward (14)
Hudson (14)
Janesville (34)
Jefferson (34)
Kenosha (34)
Kohler (15,34)
La Crosse (31)
Ladysmith (14)
Lake Delton (34)
Land O'Lakes (15)
Lone Rock (31)
Madison (34)
Manitowoc (15)
Manitowish (15)

Marshfield (14)
Medford (14)
Menomonie(14)
Merrill (15)•
Milwaukee (34)
Monroe (34)
Neenah (15)
Neillsville (14)
Oconto Falls (15)
Omro (15)
Oshkosh (15,34)
Phillips (14)
Portage (34)
Racine (34)
Rhinelander (15)
Rice Lake (14)
Richland Center (31)
Shullsburg (31)
Shawano (15)
Sparta (31)
Spooner (14)
Stevens Point (15)
Sturgeon Bay (15)
Startevant (34)
Superior (14)
Three Lakes (15)
Tomah (31)
Tomahawk (15)•
Washington Island (15)•
Watertown (34)
Waukesha (34)
Waupaca (15)
Waupun (34)
Wausau (15)
West Bend (34)
Whitewater (34)
Wisconsin Rapids (15)

WYOMING

Afton (23)
Archer (37)
Basin (7)
Big Piney (23)•
Buffalo (7)
Casper (26)
Cheyenne (27)
Cody (7)
Cokeville (23)
Cowley (7)
Douglas (26)
Dull Center (27)
Egbert (37)
Evanston (23)
Fort Bridger (23)
Gillette (7)
Greybull (7)
Jackson (23)
Kemmerer (23)
Knight (23)
Lander (26)
Laramie (26)
Lusk (27)
Meadows (27)
Medicine Bow (26)
Midwest (26)
New Castle (27)
Pine Bluffs (27)
Pinedale (26)
Point of Rocks (26)
Powell (7)
Rawlins (26)
Riverton (26)
Rock Springs (26)
Sheridan (7)
Silver Crown (26)
Sinclair (26)
Sussex (26)
Thermopolis (26)
Torrington (27)
Ucross (7)
Wamsutter (26)
Wheatland (27)
Worland (26)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Plymouth,Wisc (15,34) Port Isable,Tex.(114) Saginaw,Tex.(98) Cape Charles,Va.(111) Auburn,Wash.(142) Huntsville,Wash.(3) Parkerton,Wyo.(26) Saratoga,Wyo.(26) Sandy,Utah (23) Shenandoah,Va.(74) Elk Garden,W.Va.(74)
Hales Corner,Wisc.(34) Hillsboro, Tex(118) Orange,Va(74) Huntington,W.Va.(71) DePere,Wis.(15) Weems, Va. (75), New Cumberland ,W.Va.(74)

DIGEST OF AIR TRAFFIC CONTROL PROCEDURES

This digest is prepared expecially for the use of pilots operating within control areas, airport approach zones and airport traffic zones. For detailed information, see Civil Aeronautics Administration Manual 60, AAF Regulation 60-16, and pertinent Navy Publications.

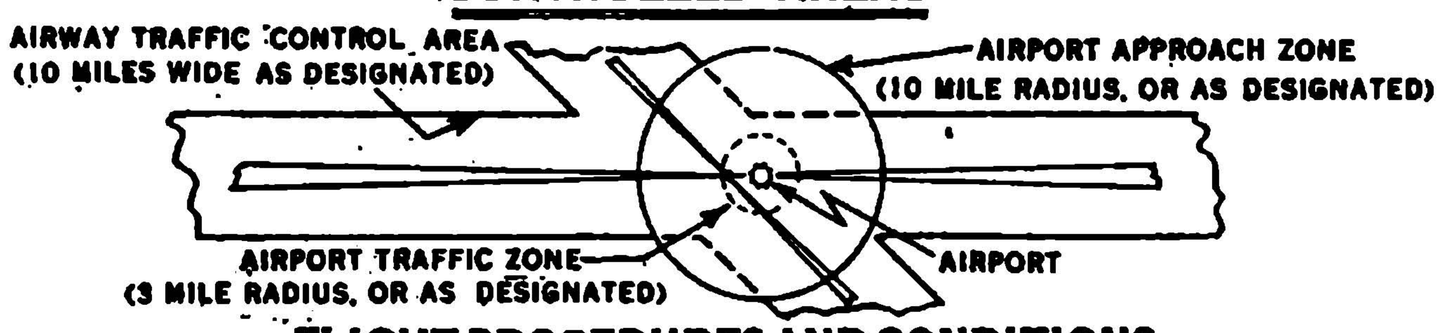
CONTACT FLIGHT RULES WEATHER MINIMUMS

	Inside Airport Traffic Zone (3-mile radius)	Inside Control Area (but outside of Airport Traffic Zones)	Elsewhere
Flights at altitudes of more than 700 feet above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	500 ft. vertically, 2000 ft. horizontally from all clouds-3 miles visibility (or 1 mi. with traffic clearance)	500 feet vertically, 2000 feet horizontally from all clouds 1 mile visibility
Flights at altitudes of 700 feet or less above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	Clear of clouds * * 1 mile visibility	Clear of clouds * * 1 mile visibility

*If traffic conditions permit, a control tower or control center will issue a traffic clearance when the minimums are less than those specified, but under this provision the flight must remain clear of clouds.

**In airport approach zones flights must remain 500 feet vertically and 2000 feet horizontally from all clouds unless a center or tower issues a traffic clearance for flight "clear of clouds"

CONTROLLED AREAS



FLIGHT PROCEDURES AND CONDITIONS

The types of flight plans and conditions under which aircraft may be operated are summarized as follows:

Contact Flight Rule (CFR)-Aircraft must be flown in weather conditions equal to or better than those outlined in the weather minima chart without benefit of reductions authorized by a traffic clearance. No flight plan or communication contacts are necessary other than as required by an airport traffic control tower for regulation of local airport traffic.

Contact Flight Rule-Controlled-Aircraft may be operated in weather conditions lower than the basic weather minima within control areas, airport approach zones, and airport traffic zones, providing the pilot files flight plan specifying the route to be flown with an airway traffic control center or airport traffic control tower, he receives a traffic clearance and he complies with all conditions stipulated in the clearance. Communication contacts and position reports may be required by Air Traffic Control for this type of flight, as traffic control separation will be afforded aircraft on the same basis as aircraft operating on an IFR flight plan.

Instrument Flight Rule (IFR)-Pilots proposing to operate aircraft in accordance with instrument flight rules are required to: file a complete flight plan with an airway traffic control center or airport traffic control tower and obtain a traffic clearance from the center or tower prior to flight; maintain continuous listening watch on the appropriate radio frequency, and report by radio the time and altitude of passing each designated reporting point. When an aircraft on an IFR flight plan is operating in weather conditions lower than the basic CFR minima a minimum altitude of 1000 feet above the surface must be maintained. A traffic clearance specifying that a portion of a flight is to be conducted in accordance with contact flight rules (CFR) will require that the pilot maintain without reduction, the basic contact flight rule minima as specified in CAR 60 and assume the responsibility of avoiding other aircraft during the portion of the flight specified. In the event of two-way radio failure, a pilot may (1) proceed according to current flight plan, maintaining the minimum safe altitude or the last acknowledged assigned altitude, whichever is higher, to the range station from which approach will be started to the airport of intended landing, and commence descent at approach time last authorized; or if such time has not been received and acknowledged commence descent at the time of arrival specified in the flight plan. Under such conditions a full-standard instrument approach should be executed unless a CFR approach is made; or (2) if weather conditions permit, proceed in accordance with CFR; or (3) land as soon as practicable. Normally, if the aircraft is operating flight rule weather conditions at the time the radio failure is discovered, the pilot should proceed in accordance with contact flight rules to the airport of first intended landing or to the nearest suitable airport. If this is not possible, the pilot will proceed according to current flight plan. In order that uniform flight levels will be maintained by all aircraft, the altimeter should always be set to the altimeter setting of the nearest reporting station as the flight proceeds. The altimeter setting is issued by the Weather Bureau, and when placed on the barometric scale of the altimeter, will result in a reading of the elevation above sea level on the height scale of the instrument.

Note: A flight plan is required on all AAF flights except for local flights within a defined local flying area.

Arrival Reports-It should be noted that whenever a flight plan has been filed whether for CFR or IFR operations, an arrival report is required, unless the pilot has stated in the flight plan that such report will not be filed.

Maintenance of Flight Altitudes-Within control areas, aircraft should be flown at even or odd thousand-foot levels above sea level depending upon the direction of flight as indicated by odd or even minimum altitudes shown on Flight Planning Charts, unless other altitudes are assigned and approved by an airway traffic control center.

Cruising altitudes outside of control areas or approach zones shall correspond to the direction of flight as indicated below:

MAGNETIC HEADING	Indicated Altitude (feet above sea level)
0° - 89° inclusive,	odd thousands: 1,000 feet; 3,000 feet; etc.
90° - 179° inclusive,	odd thousands plus 500 feet; 1,500 feet; 3500 feet; etc
180° - 269° inclusive,	even thousands: 2,000 feet; 4,000 feet; etc.
270° - 359° inclusive,	even thousands plus 500 feet; 2,500 feet; 4,500 feet; etc.

AIRPORT TRAFFIC CONTROL PROCEDURES

Aircraft with Two-Way Radio: If operating under contact flight rules, arriving aircraft should establish communication with the control tower when approximately 15 miles from the airport of destination. The tower will issue such instructions as are necessary. Pilots should remain tuned to the tower until the landing is completed and the aircraft parked. If on an instrument flight plan, arriving aircraft should remain on range frequency as long as required for navigational purposes. The control tower should not be contacted until after a clearance "to the tower" has been received and the aircraft is 15 miles or less from the airport and clear of clouds, unless otherwise instructed. The clearance, "Cleared to Blank Tower", is also approval for approach subject to any restrictions or instructions contained in the clearance. This clearance, without any restrictions, is approval to make approach for a landing using whatever type of approach desired by the pilot.

Aircraft with Receiver Only: Remain tuned to the tower at all times when within the airport traffic zone. Acknowledge signals in the daytime by movement of ailerons or rudder on the ground and by rocking wings in the air, & at night by flashing landing light. Clearance from the tower should be received for taxiing, landing and taking-off; however, sufficient movement of the aircraft to attract the attention of the tower is permitted. If tower does not issue radio instructions, watch for light signals as the tower may not realize that the aircraft is equipped with a receiver.

Aircraft without Radio Equipment: Observe the tower for light signals, and acknowledge as above. The light signals are:

VISUAL SIGNALS FROM PORTABLE TRAFFIC SIGNAL LIGHT

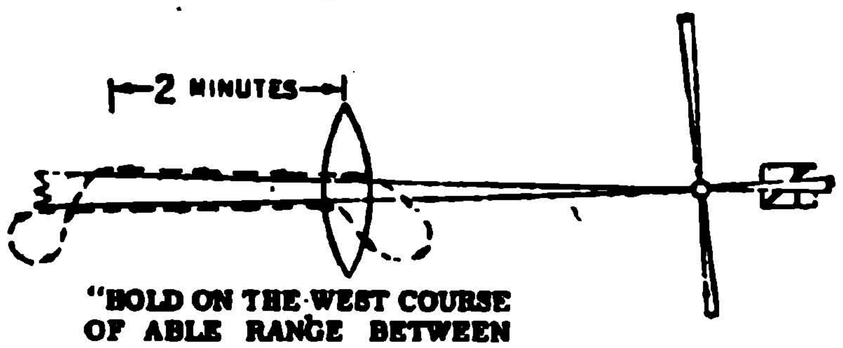
Color and Type of Signal	Taxi-ing	Ready for Take-off	In Flight
STEADY GREEN	XXXXXXXXXXXX	Cleared for Take-off	Cleared to Land
FLASHING GREEN	Continue Taxi-ing	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
STEADY RED	Stop	Clear the Runway Immediately, and Wait	Give Way to Other Aircraft and Continue Circling
FLASHING RED	Return to Hangar Line	Return to Hangar Line	Return and Land
ALTERNATING RED AND GREEN	General Warning Signal - Exercise Extreme Caution		

Traffic and Taxi Patterns have been established at busy airports to illustrate the desired flow of aircraft on the ground and in the air under specified wind conditions. If the traffic pattern is not known, follow other aircraft unless otherwise instructed.

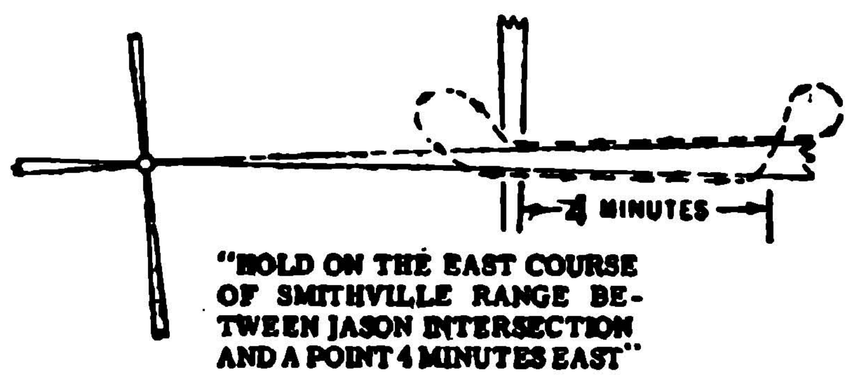
If a pilot does not receive either radio or visual signal from the tower when approaching for a landing, he should make at least one complete circle of the airport conforming to the traffic pattern, and then start approach for a landing. The pilot should be on the alert for a signal from the tower and maintain a watch for other aircraft.

HOLDING PROCEDURES FOLLOWED BY AIRCRAFT AT RADIO FIXES

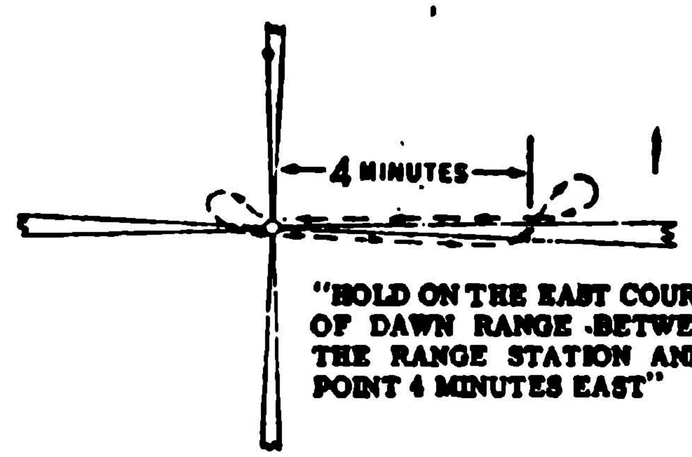
The standard holding flight path of an aircraft operating on an instrument flight rule flight plan and being held at a radio fix is to follow the right edge of the on-course signal of the specified leg of the appropriate radio range. The aircraft shall hold between the designated holding point and a point 4 minutes' flying time therefrom in the direction specified starting procedure turns at the holding point and a point 4 minutes therefrom. Unless prevented by obstructions or unless otherwise advised by an Airway Traffic Control Center or Civil Aeronautics Administration Airport Traffic Control Tower, the initial turn of a procedure turn shall be made to the left when flying away from the range station and to the right when flying toward the range station. The point to be used as the designated holding point will be identified in the traffic clearance which contains instructions for the aircraft to hold. When holding at an approach control marker, the holding flight path will extend from the specified holding point to a point not to exceed 2 minutes' flying time therefrom in the direction specified. When instructions are received giving the time of departure from the holding point, the pilot may adjust his flight path so as to be able to depart from the marker at the exact time specified.



"HOLD ON THE WEST COURSE OF ABLE RANGE BETWEEN BAKER FAN MARKER AND A POINT 2 MINUTES WEST"



"HOLD ON THE EAST COURSE OF SMITHVILLE RANGE BETWEEN JASON INTERSECTION AND A POINT 4 MINUTES EAST"



"HOLD ON THE EAST COURSE OF DAWN RANGE BETWEEN THE RANGE STATION AND A POINT 4 MINUTES EAST"

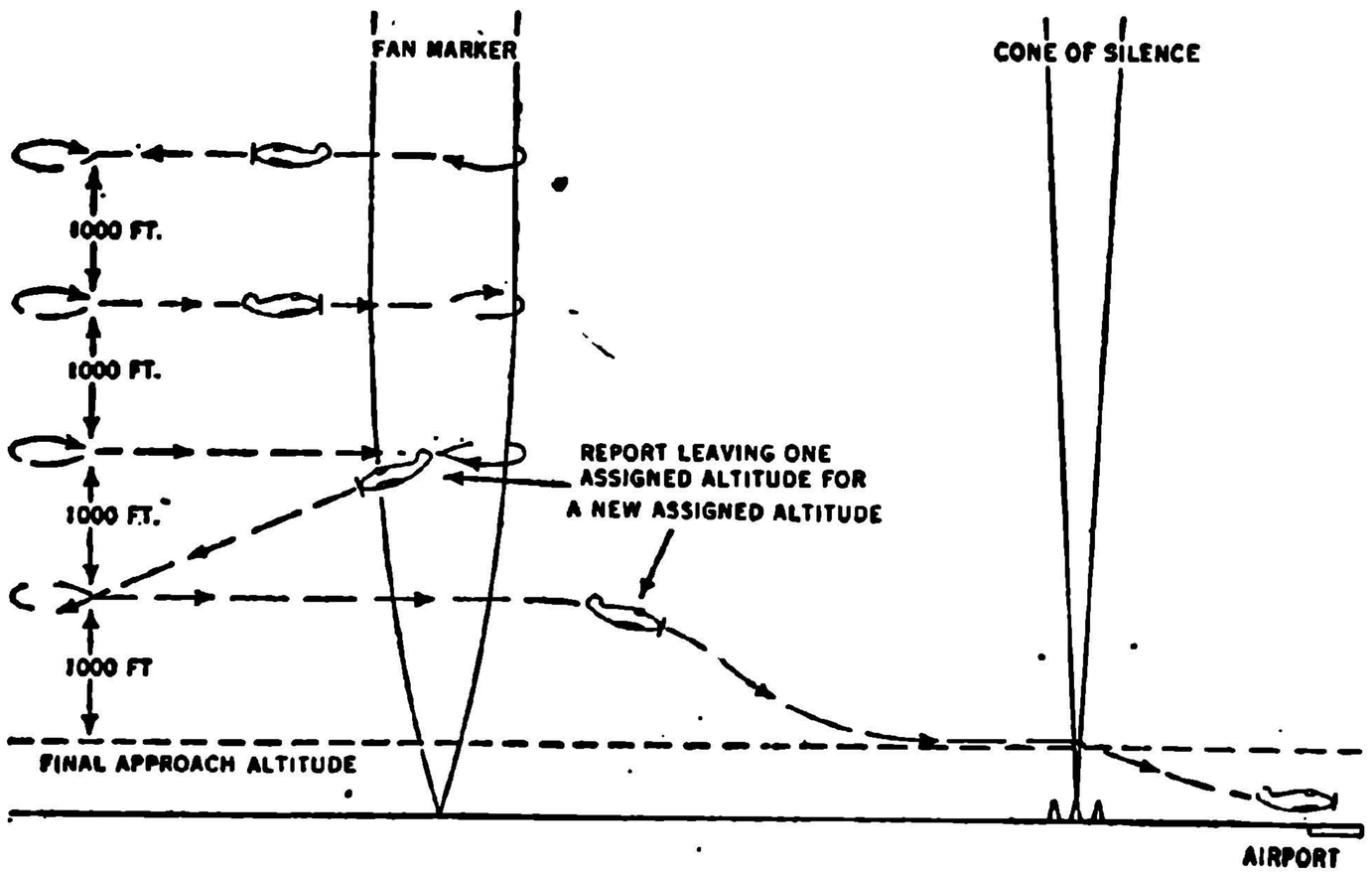
HANDLING OF CFR FLIGHT PLANS, AND ARRIVAL REPORTS

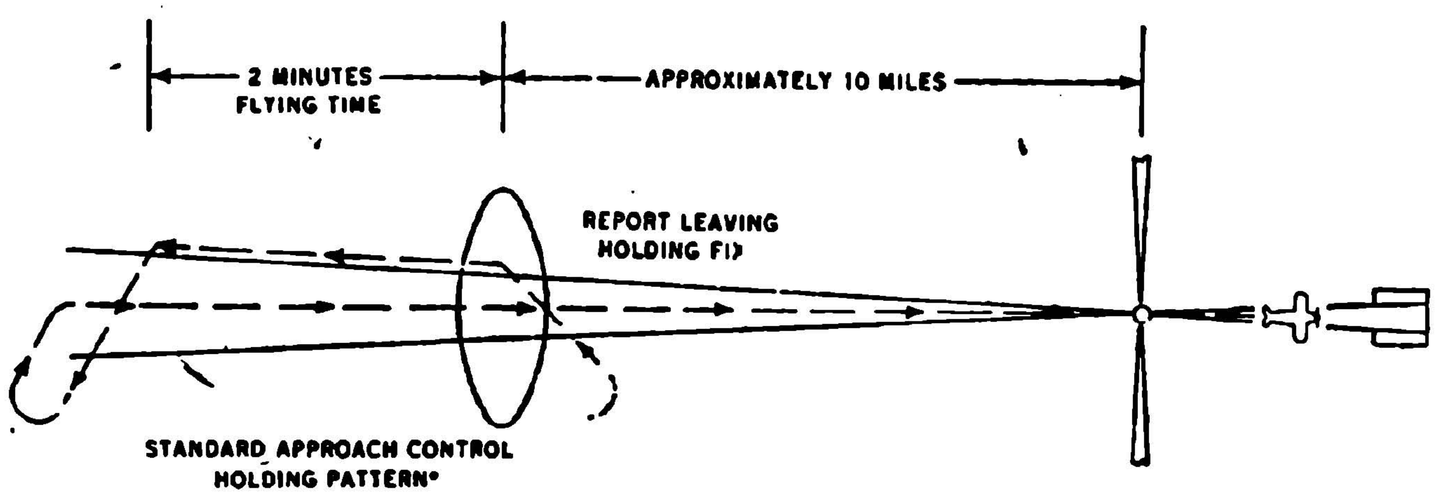
CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. These flight plans are not transmitted to the point of destination but are held in suspense until notice of arrival is received. One hour after the estimated time of arrival, if no notice of arrival is received, queries are sent out over CAA communication systems to determine the location of the aircraft. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. Arrival reports are transmitted over CAA circuits to the station holding the flight plan.

In order to reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

APPROACH CONTROL PROCEDURES

Approach control is a service whereby Civil Aeronautics Administration airport traffic control towers issue control instructions in instrument weather conditions, by communicating directly with pilots over the voice feature of a radio range, or over a very-high frequency channel of the control tower. Ordinarily, aircraft will be cleared by the airway traffic control center to the holding fix, (fan marker or other radio fix) with appropriate holding instructions. Instructions to hold "UNTIL FURTHER ADVISED BY (Name of) APPROACH CONTROL ON (Blank) KILOCYCLES" are included by the arwy traffic control center so that the pilot will know on which frequency he will receive further instructions from the tower. When he arrives over the holding point, the pilot initiates a call to "(Name of) APPROACH CONTROL" and advises time and altitude over the holding point, listening on the frequency specified in the ATC clearance for further instructions. Radio contacts required thereafter. (a) when vacating any previously assigned flight level for a newly assigned level; (b) when leaving holding point. Each pilot in an approach sequence will be given advance notice as to the time he should leave the holding marker on approach to the airport. When the time of leaving the holding point has been received, the pilot should shorten the standard holding path remaining in the immediate vicinity of the marker so as to leave the marker as closely as possible to the designated time. Pilots should maintain communication by listening to approach control frequency until cleared to the tower's local control frequency (278 kc. or equivalent). Departing aircraft will receive initial instructions on the tower's local control frequency. Approach Control is established at locations indicated as AC in the station class column on the data pages.





*NOTE: STANDARD 2 MINUTE HOLDING PATTERN FOLLOWED BY ALL AIRCRAFT HOLDING UNTIL INSTRUCTIONS ARE RECEIVED GIVING TIME OF DEPARTURE FROM HOLDING POINT. THEN PILOT SHORTENS HOLDING PATH, REMAINING IN IMMEDIATE VICINITY OF HOLDING POINT SO AS TO LEAVE MARKER EXACTLY AT SPECIFIED TIME.

AIR NAVIGATION RADIO AIDS

LEGEND

(3) - Station guards 3105, 4495, 6210 kcs.
(4) - Station guards 3105, 4495, 6210, 3117.5 kcs.
(7-24) - Hours of operation (7 a.m. to midnight) on a 24-hour clock basis
→ - New or revised data*

RADIO CLASS DESIGNATIONS

AC.....Approach Control Tower, CAA
B.....Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited).
C.....Control Tower, CAA
CA.....Control Tower, Army
CL.....Control Tower, (City, County, Private, etc.)
CN.....Control Tower, Navy
D.....Distantly controlled
FM.....VHF fan type marker (100 watts)
FMK.....Compass locator station when combined with fan marker
GCA.....Ground control approach system
H.....Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System
IM.....VHF boundary marker
K.....Independent compass locator station
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
MH.....Non-directional radio-beacon(homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50, less than 150 watts
MRL.....Range (loop radiators), power more than 50, less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within 5.5 miles of middle marker.
P.....Point to point radio
RA.....Range (adcock, vertical radiators) power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous transmission of range signals and voice
T.....Teletype
TX.....Principal teletype
V.....Voice communication with aircraft
VAR.....Visual-aural VHF range
W.....Without voice facilities
Z.....VHF station location marker at a range station.

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE •–	D-DOG –••	G-GEORGE ––•	J-JIG •–––	M-MIKE ––	P-PETER •––•	S-SUGAR •••	V-VICTOR •••–	Y-YOKE –•––
B-BAKER –•••	E-EASY •	H-HOW ••••	K-KING –•–	N-NAN –•	Q-QUEEN ––•–	T-TARE –	W-WILLIAM •––	Z-ZEBRA ––••
C-CHARLIE –•–•	F-FOX ••–•	I-ITEM ••	L-LOVE •–••	O-OBOE –––	R-ROGER •–•	U-UNCLE ••–	X-XRAY –••–	

1 •–––– 2 ••––– 3 •••–– 4 ••••– 5 ••••• 6 –•••• 7 ––••• 8 –––•• 9 ––––• 0 –––––

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered nondirectional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency and, generally, V.H.F. of 116.1 mcs.

The classification designation "B" denotes that the station broadcasts airway and meteorological information on a scheduled basis at 15 and 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

AUTOMATIC RANGE MONITORING SYSTEM

The automatic range monitoring system will automatically notify all pilots using a range on which it is installed, whenever an abnormal condition exists on the final approach course, the only course monitored at the present time.

The notification, or warning signal, will consist of the slow transmission of one group of three "U"s (. . – . . . – . . –), between two station identification transmissions. This warning signal will be transmitted: (a) whenever a course displacement of 3° or more exists; (b) whenever a sudden and large loss of signal strength occurs; (c) or whenever an apparent on-course signal (loss of N-A keying, producing a monotone which sounds like an on-course signal) exists throughout all quadrants.

Loss of signal strength is obvious, and loss of N-A keying is easily ascertainable by the pilot whenever the three "U"s identify an abnormal condition. The flier should suspect course displacement upon hearing the warning signal, if there has been no drop in range signal strength and the interlocked N and A on-course signal is well defined. On the other hand, the loss of N-A keying is indicated by warning transmission once only, when normal identifications are also missing.

In the case of range course displacement, the greater the course displacement, the earlier in the period between station identification transmission will the "UUU" signal be heard. An occasional warning signal transmission not repeated in every cycle, followed by the normal identification, may be disregarded since it may be occasioned simply by momentary power fluctuations.

INSTRUMENT LANDING SYSTEMS

An Instrument Landing System comprises a localizer (possibly a glide path), and a boundary, middle, and outer marker. Infrequently, the middle or boundary marker is not commissioned at present and future installations will have no boundary markers. The entire system of transmitters (localizer, glide path, and markers) operate on V.H.F. All markers operate on 75 mcs.

Compass locator stations, on the other hand, operate on the low frequency 200-415 kilocycle band. Compass locator data will be found under marker data on the second line of those stations having such facilities. These are, with rare exceptions, located at the same sites as the V.H.F. markers, and have single letter identifications.

The localizer course of the Instrument Landing System divides the blue sector (150 cycles), which is to the right of the course in respect to the landing aircraft on final approach, from the yellow sector (90 cycles), which is left.

* UNDER THE HEAVY BLACK LINE FOUND IN THE THE RADIO SECTION OF THE DATA PAGES ARE LISTED, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

VHF RADIO RANGES

Simultaneous Visual-Aural VHF Radio Ranges have two visual and two aural courses with simultaneous voice transmission on the range frequency. A range of this type operates in the band 112 to 118 mcs. (Certain stations have been temporarily assigned the following frequencies: 108.3 mc, 108.7 mc, 109.1 mc.). Modulation frequencies of 90 cps and 150 cps are used to produce the visual courses. The sector in which the 90 cps modulation predominates is to be known as the "Yellow Sector" and that in which the 150 cps modulation predominates is to be known as the "Blue Sector". The aural courses are produced through the use of "N" and "A" signals with modulation frequency of 1020 cps.

VHF RADIO RANGE ORIENTATION: The assignment of the blue and yellow sectors and the "A" and "N" sectors of CAA VHF radio ranges is accomplished in accordance with the following rules:

(a) On Green and Red Airways, the blue sector lies north of the visual course, the yellow south; the "N" sector lies to the east of aural course; the "A" west.

(b) On Amber and Blue Airways, the blue sector lies west of the visual course, the yellow east; the "N" sector lies to the north of the aural course, the "A" south.

(c) The visual courses are projected along the airway, the aural courses across the airway.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS

All continuously operated CAA Radio Range and Radio Beacon Stations having voice facilities on the Range or Radio Beacon Frequencies broadcast weather reports at 15 and 45 minutes past each hour.

At each station the material broadcast consists of the local weather report and the latest available surface weather reports from surrounding locations. Reports more than one hour old are not broadcast.

FILING OF "OVER" REPORTS

Pilots should make every effort to file "over" reports when passing over those points designated as "Radio Fixes" on the Radio Facilities Charts. Refer to Chart Legend

Pilots of aircraft operating on contact flight rule flight plans who desire to make flight progress reports shall include in the report the phrase "CFR" flight plan from _____ to _____

Pilots of aircraft operating on instrument flight rule flight plans and who are required, therefore, to make flight progress reports, shall include in the report the phrase "Instrument flight plan". NOTE: The word "instrument", rather than the abbreviation "IFR" is used above to avoid confusion between the abbreviations "CFR" and "IFR" under difficult radio reception conditions.

RADIOTELEGRAPH CALLING PROCEDURE

Radiotelegraph (A2 emission), in addition to radiotelephone (A3 emission), may be used to call Civil Aeronautics Administration airway communications stations. Radiotelegraph (A1 emission) may be used, but its use will require a prearranged schedule since receivers at the stations are set for A2 and A3 emission only. The Civil Aeronautics Administration airway communication station will reply on the radio range voice channel except as otherwise provided. When calling Civil Aeronautics Administration airway communications stations, it is desired that the radio call letters of the station be used. However, the stations will be on the alert for calls consisting of the radio range identification (listed under "Station Identification"), which may be used after two calls by voice have not been answered by the Civil Aeronautics Administration airway communications station or when unusual circumstances prevail or during emergencies. For example: A pilot using the Richmond, Virginia radio range who is unable to contact that station by voice, will radiotelegraph the following, using A2 emission: "RW RW RW K". Upon receipt of such a signal, the aircraft communicator at the Richmond radio range station will acknowledge on the voice channel of the radio range as follows: "UNIDENTIFIED AIRCRAFT CALLING RICHMOND RADIO OVER". The pilot then would resume use of voice for completion of the contact unless conditions require continuance of radiotelegraph. It is important that pilots use this procedure only after two unsuccessful attempts by voice to contact Civil Aeronautics Administration airway communications stations.

RADIOTELEPHONE (CALLING PROCEDURE)

When calling Civil Aeronautics Administration stations (except towers) or Army and Navy radio ranges, utilize the call "RADIO". When calling all airport control towers, be they Army, Navy, CAA, or municipal utilize the call "TOWER". When calling Army Airways, utilize the call "ARMY AIRWAYS". Examples:

(a) "Jacksonville Radio This Is Stinson 1234".....When calling a radio range
(b) "Jacksonville Tower This Is Waco 4567" .....When calling a control tower
(c) "Jacksonville Army Airways This Is Army 725" .....When calling an Army Airways Communications Station
(d) "Langley Army Radio This is Army 472" .....When calling an Army radio range

COMBINED UNITED STATES-BRITISH RADIOTELEPHONE (R/T PROCEDURE)

This new procedure has previously been adopted by the War and Navy Departments for use by military aircraft and became effective June 1, 1943, for use by Civil Aeronautics Administration airway communications stations and airport traffic control towers and civilian aircraft. Military pilots may secure complete information from Army publication FM24-9. The major changes in procedure are summarized below for the benefit of civilian pilots not having access to FM24-9.

1. Use of the words "THIS IS" instead of the word "FROM".
2. Use of the word "OVER", instead of the words "GO AHEAD", to indicate, " MY TRANSMISSION IS ENDED AND I EXPECT A RESPONSE FROM YOU".
3. Use of the word "OUT" when conversation is ended and no response is expected.
4. Use of the phrase "SAY AGAIN", instead of the word "REPEAT" when requesting a repetition.
5. Use of the phrase "I SAY AGAIN", instead of the phrase "I WILL REPEAT", when a repetition is being given.

Examples:

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO OR CLEVELAND TOWER MESSAGE FOR YOU (Optional) OVER

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE FOUR THREE SEND YOUR MESSAGE (Optional) OVER

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO or CLEVELAND TOWER (Message) OVER

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE EIGHT ONE FOUR THREE ROGER OUT

Pertinent parts of all current publications, including Manual 60, are superseded insofar as communications procedures are concerned by the new procedure indicated above effective June 1, 1943.

AIRPORT DATA
LEGEND

NAME

(When city and airport names are identical, the airport name is omitted in the interest of space-conservation)

(A) Airport owned or leased in whole or in part by Army
(CG) Airport owned or leased in whole or in part by Coast Guard
(N) Airport owned or leased in whole or in part by Navy
★ CAA Intermediate Field
(P) Non-military airport available for use by military aircraft (See Note 3)

N.B. If the airport name is followed by (A) for Army, (N) for Navy, or (CG) for Coast Guard, the field is exclusively an Army, Navy, or Coast Guard field. If the field is not exclusively Army, Navy, or Coast Guard and may be used by civilians, no (A), (N), or (CG) follows the airport name.

SIZE — CLASS

40: Length of longest landing strip (unpaved) in hundreds of feet
40h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl.").

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-ranging winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW/SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station.
R2: Range (or homing device), and tower
R3: Range (or homing device), tower, and instrument landing system.

LIGHTS

L: Incomplete lighting, either flood or portable navy lights.
L1: Beacon only.
L2: Beacon and boundary.
L3: Beacon, boundary, and obstruction.
L4: Beacon, boundary, obstruction, and flood.
L5: Beacon, boundary, obstruction, flood, and runway contact
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach.

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

SERVICING

S1: Fuel.
S2: Fuel, storage.
S3: Fuel, storage, minor aircraft repairs.
S4: Fuel, storage, minor aircraft, and minor engine repairs.
S5: Fuel, storage, major aircraft, and minor engine repairs.
S6: Fuel, storage, major aircraft, and major engine repairs.

N B. Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class, comparable to, for example, "1S S1". "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there.
Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class column should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify.
2. → New or revised data.*
3. "(P)" in CITY-AIRPORT NAME column indicates (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the United States Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. ★ "Effingham Int., 10, L5-1L" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int.".
5. In location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct." indicates octane rating of fuel available.
   (b) "CLOSED" indicates closed to all transient military aircraft, except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "INACTIVE" indicates field is on temporarily inactive status as regards military use and that Army or Navy facilities have been discontinued. Use of Army fields in this status is to be as indicated by Special Notice on first page of the Notices to Airmen section, and in notices published under heading of field. Use of Navy fields is indicated under field heading.
   (e) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency.
   (f) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines are cited.
   (g) "Fld. lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly, the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (h) "FEE" indicates landing fee for private aircraft.
7. Airline stop airport names are capitalized.

(N) NAVAL FLIGHT OPERATION ON FLD.

COLUMNAR EXPLANATION

AIRPORT NAME-CITY	LOCATION	ELEV.	CLASS	REMARKS
(N) LA GUARDIA FLD (NEW YORK)	2 NW: lake E	15S5	65h R1 L5 S6	73-100 oct. CLOSED. NATS

CLOSED TO TRANSIENT MILITARY AIRCRAFT EXCEPT ON OFFICIAL BUSINESS WITH FIELD

MILEAGE AND DIRECTION FROM CENTER OF CITY

ADJACENT IDENTIFYING OR ORIENTING FEATURES

ELEVATION OF AIRPORT ABOVE SEA LEVEL

NAVAL AIR TRANSPORT SERVICE STOP, OR NATS BASE

65h-LENGTH OF LONGEST HARD-SURFACED (h) RUNWAY IN HUNDREDS OF FEET
R1-RADIO VOICE FEATURE: VIA TOWER, RANGE, OR VOICE STATION
L5-LIGHTING: BEACON, BOUNDARY, OBSTRUCTION, FLOOD, AND RUNWAY CONTACT LIGHTS
S6-SERVICING: FUEL, STORAGE, MAJOR AIRCRAFT AND ENGINE REPAIRS.

FUEL AVAILABILITY; ALL OCTANES 73 THRU 100

AIRPORT NAME ABBREVIATIONS

(A) - Army Field
AAB - Army Air Base
AAF - Army Air Field
CGAS - Coast Guard Air Station
(N) - Navy Field
NASF - Naval Aux. Air Facility
NAAS - Naval Aux. Air Station
NAF - Naval Air Facility
LTA - Lighter than Air
MCAS - Marine Corps Air Station
MCAAF - Marine Corps Aux. Air Facility
MCGB - Marine Corps Glider Base
NAS - Naval Air Station
NPG - Naval Proving Grounds
OLF - Outlying Field (Navy)

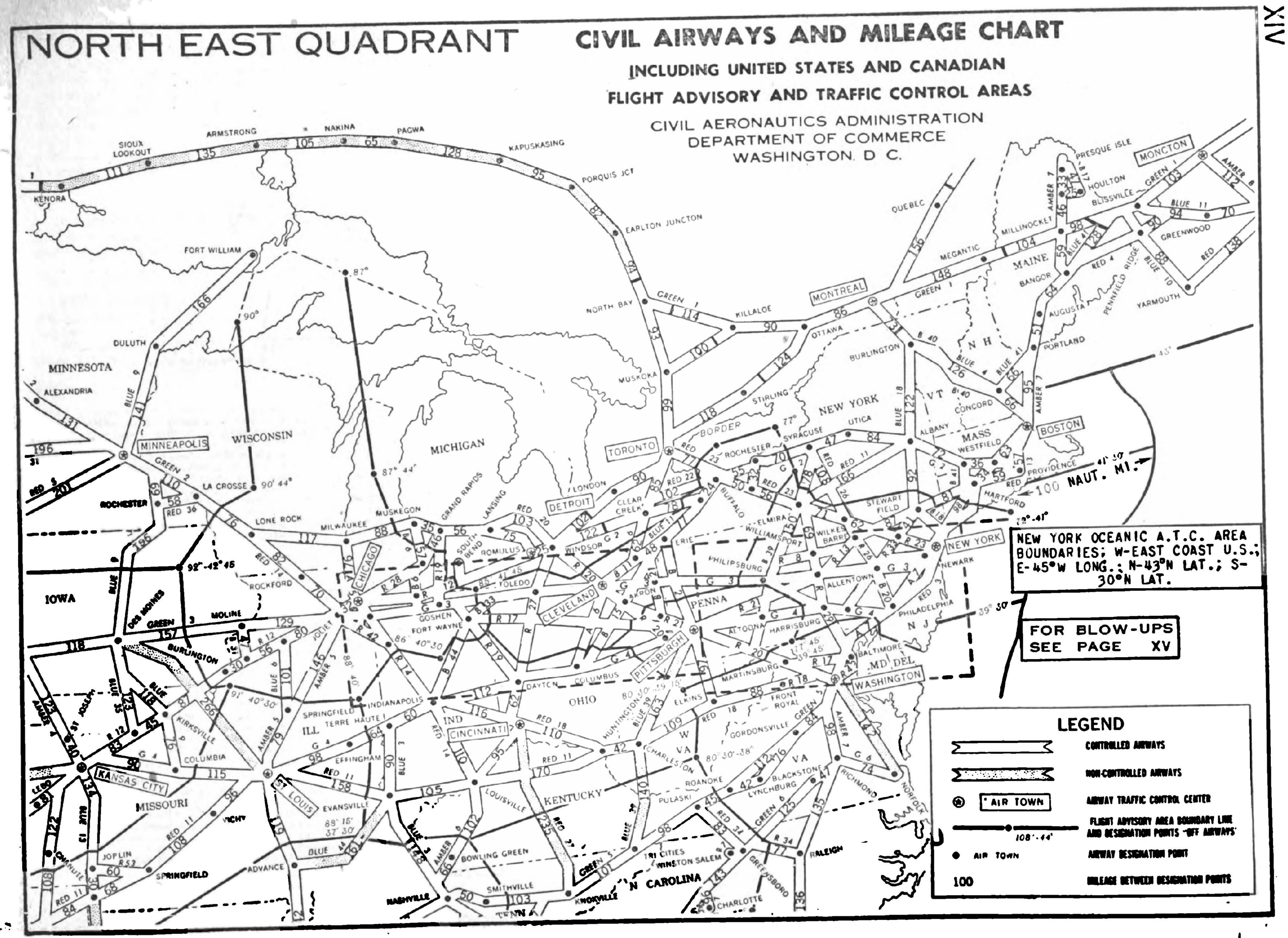
* UNDER THE HEAVY BLACK LINE FOUND IN THE AIRPORT SECTION OF THE DATA PAGES ARE LISTED OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

NORTH EAST QUADRANT

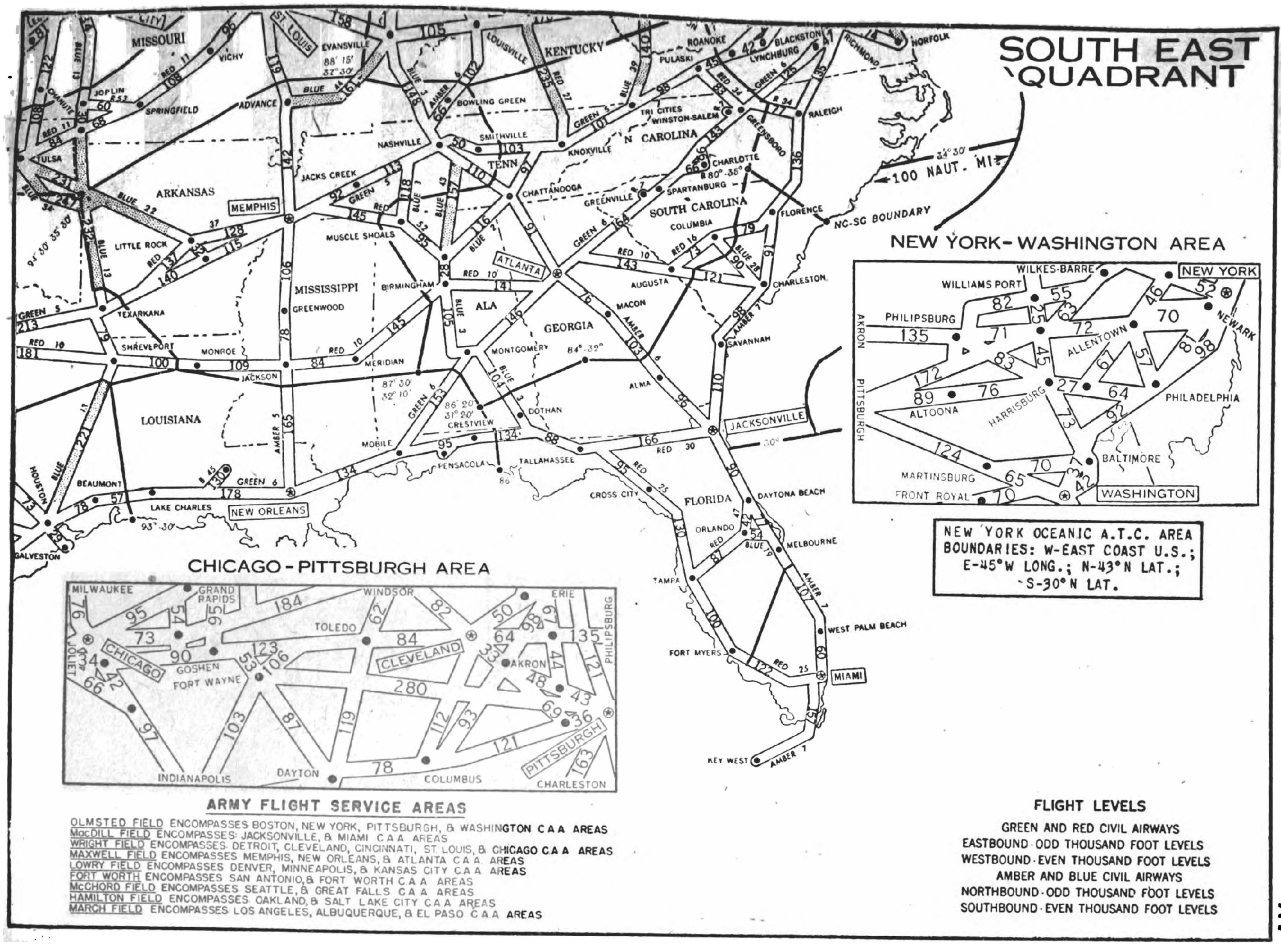
CIVIL AIRWAYS AND MILEAGE CHART

INCLUDING UNITED STATES AND CANADIAN FLIGHT ADVISORY AND TRAFFIC CONTROL AREAS

CIVIL AERONAUTICS ADMINISTRATION
DEPARTMENT OF COMMERCE
WASHINGTON, D. C.



SOUTH EAST QUADRANT



NEW YORK OCEANIC A.T.C. AREA
BOUNDARIES: W-EAST COAST U.S.;
E-45°W LONG.; N-43°N LAT.;
S-30°N LAT.

ARMY FLIGHT SERVICE AREAS

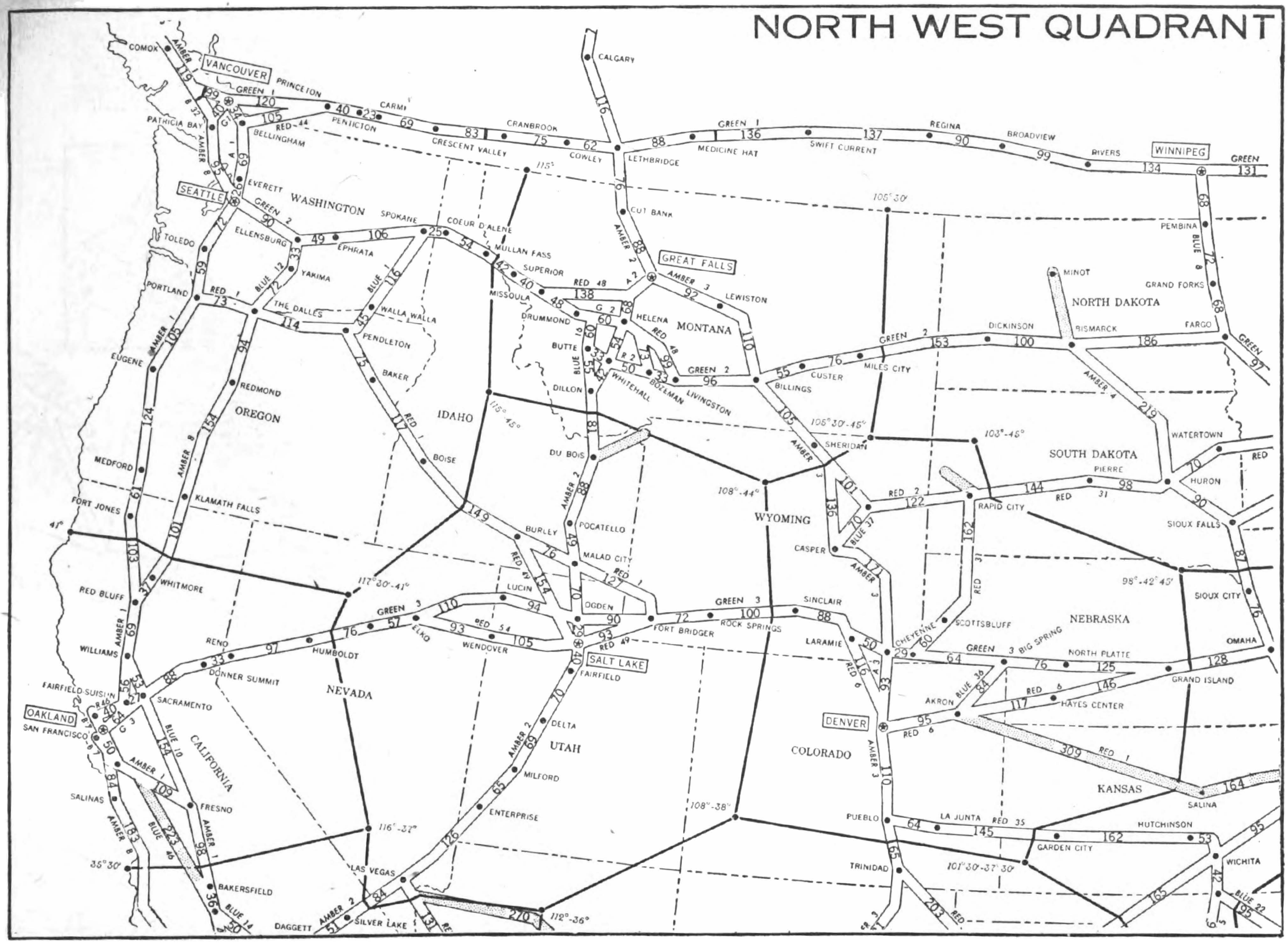
OLMSTED FIELD ENCOMPASSES BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C A A AREAS
MacDILL FIELD ENCOMPASSES: JACKSONVILLE, & MIAMI C A A AREAS
WRIGHT FIELD ENCOMPASSES: DETROIT, CLEVELAND, CINCINNATI, ST. LOUIS, & CHICAGO C A A AREAS
MAXWELL FIELD ENCOMPASSES MEMPHIS, NEW ORLEANS, & ATLANTA C A A AREAS
LOWRY FIELD ENCOMPASSES DENVER, MINNEAPOLIS, & KANSAS CITY C A A AREAS
FORT WORTH ENCOMPASSES SAN ANTONIO, & FORT WORTH C A A AREAS
McCHORD FIELD ENCOMPASSES SEATTLE, & GREAT FALLS C A A AREAS
HAMILTON FIELD ENCOMPASSES OAKLAND, & SALT LAKE CITY C A A AREAS
MARCH FIELD ENCOMPASSES LOS ANGELES, ALBUQUERQUE, & EL PASO C A A AREAS

FLIGHT LEVELS

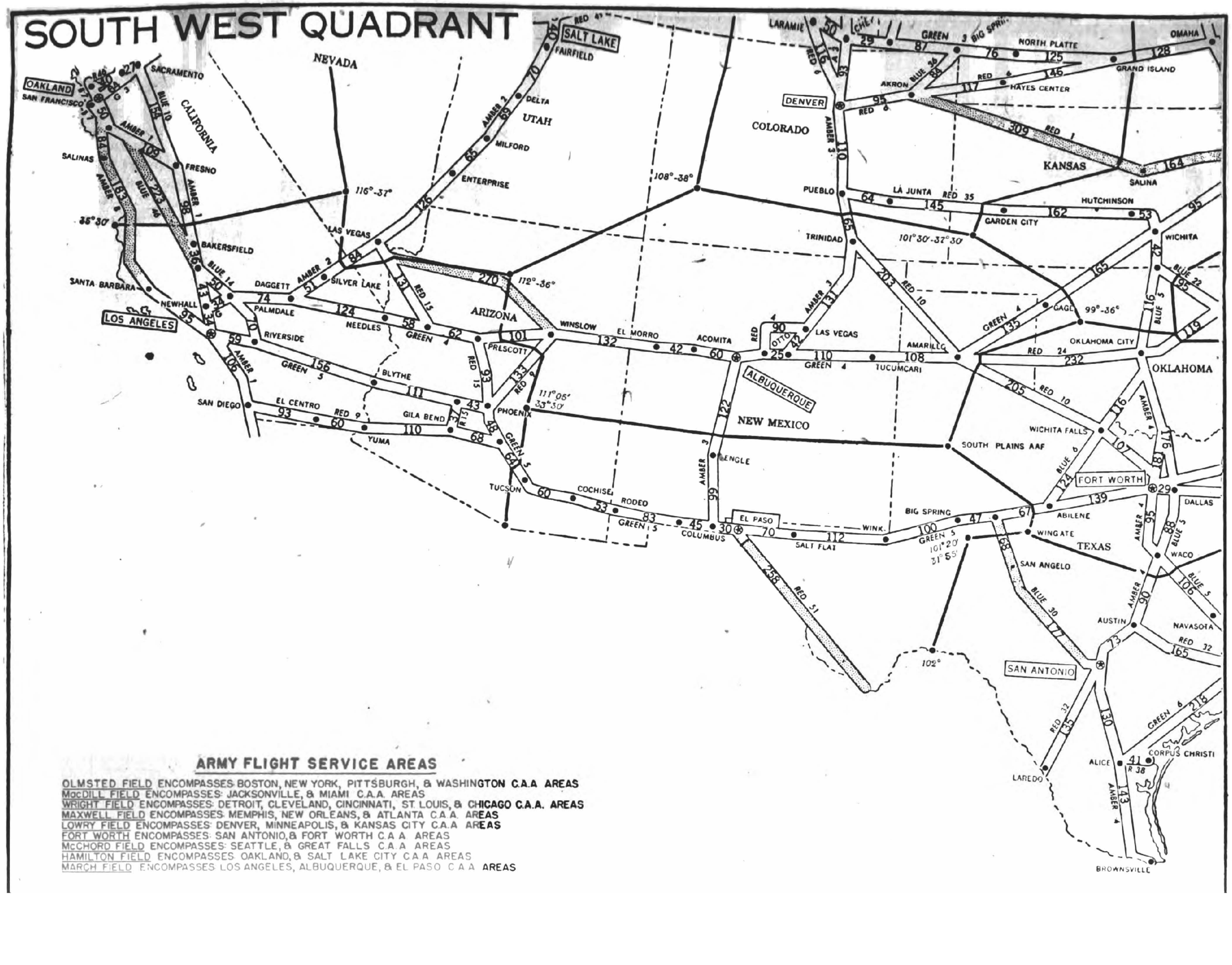
GREEN AND RED CIVIL AIRWAYS
EASTBOUND - ODD THOUSAND FOOT LEVELS
WESTBOUND - EVEN THOUSAND FOOT LEVELS
AMBER AND BLUE CIVIL AIRWAYS
NORTHBOUND - ODD THOUSAND FOOT LEVELS
SOUTHBOUND - EVEN THOUSAND FOOT LEVELS

XV

NORTH WEST QUADRANT



SOUTH WEST QUADRANT



ARMY FLIGHT SERVICE AREAS

OLMSTED FIELD ENCOMPASSES BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C.A.A. AREAS
MacDILL FIELD ENCOMPASSES: JACKSONVILLE, & MIAMI C.A.A. AREAS
WRIGHT FIELD ENCOMPASSES: DETROIT, CLEVELAND, CINCINNATI, ST. LOUIS, & CHICAGO C.A.A. AREAS
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HAMILTON FIELD ENCOMPASSES: OAKLAND, & SALT LAKE CITY C.A.A. AREAS
MARCH FIELD ENCOMPASSES: LOS ANGELES, ALBUQUERQUE, & EL PASO C.A.A. AREAS

FLIGHT PLANNING CHARTS

LEGEND

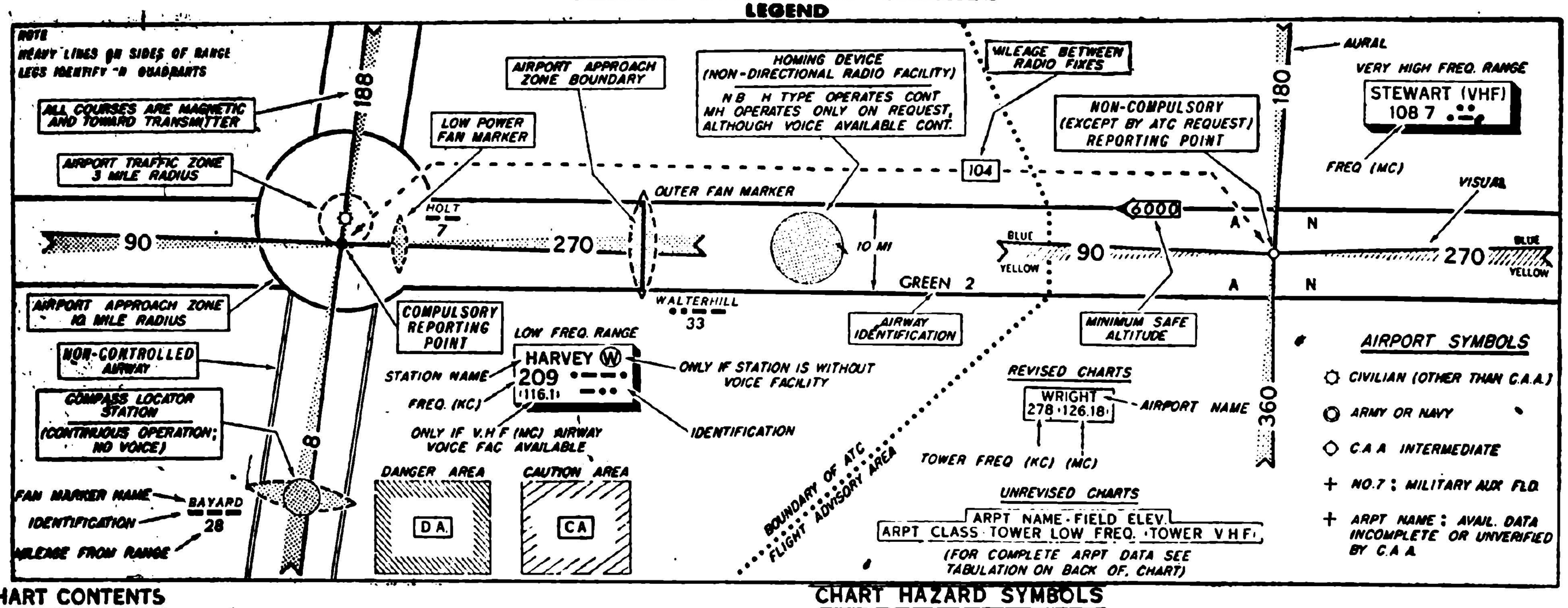


CHART CONTENTS

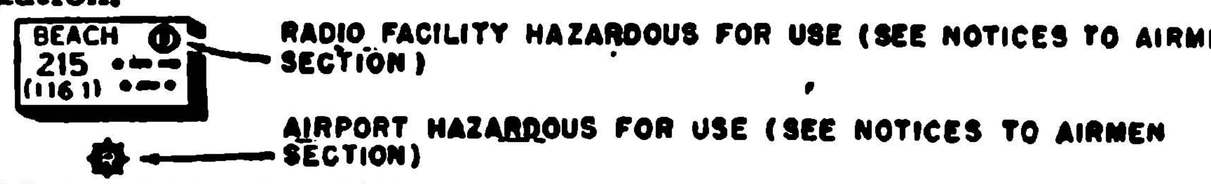
The Flight Planning Charts, in addition to the warning Ⓡ and caution Ⓞ symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages; (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways. These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE & USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled Ⓡ or Ⓞ items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new fields, abandoned fields, range frequency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol Ⓡ for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol Ⓞ for orange, or caution.



RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

Warning

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°,7.5	Tillamook NAS
EUGENE (Mahlon Sweet)	251 (EU)	SBRAZ-DT,150°,4.5	(4)
PORTLAND (AAB)	332 (PD)	SBRAZ-DT,171°,3.1	(3)
PORTLAND LFM	(- -)	LFM, 76°, 1.6	Portland
REDMOND (Roberts)	368 (RG)	SBRAZ-DT 101°,4.3	(4)
THE DALLES	230 (ND)	SBRAZ-DT,251°,2.8	(4)
TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105,4495
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3); 142.74 (8-1630)
WILLAMETTE FM	(. . - .)	FM, 76°, 20.6	Portland

WASHINGTON

BELLINGHAM	209 (LI)(116.1)	SBRAZ-VDT,114°,3.3	(4):116.1
CAMANO ISL. FM (Navy)	(- -)	FM,123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 62	Seattle
EASTON (Int.)	278 (TP)	MHT	(4)
ELLENSBURG (Bowers)	385 (EB)	SBMRAZ-DT,270°,2	(4)
EVERETT (Paine)	224 (MI)	BMRL Z-DT,330°,3.1	(4);116.1
HOBART FM	(- -)	FM, 88°,15	Seattle
KELSO	266 (HP)	MHT	(4)
LAKEVIEW FM	(- - -)	FM, 175°,25.5	Seattle
McCHORD,(Tacoma)(Army)	272 (DTA)	BMRL; 26°, 1.7	
MONROE FM	(-)	FM, 5°, 30	Seattle
MOUNT VERNON OLF(NC)	3295 (126.18) (142.74)	CN	3105,4495;126.18,142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
SEATTLE (King County)	260 (SA)(116.1)	SBRAZ-VDIX,296°,3.3	(3):116.1
STEVENSON	347 (LZ)	MHT	(4)
TOLEDO (Int.)	239 (GL)	BMRLZ-DT,236°,3	(4)
WASHOUGAL FM	(-)	FM, 63°,17.5	Portland, Oregon
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74) (126.18)	CN, 303°,3.5	(3):142.74,126.18,Tr.and gds 116.1,140.58 req.(GCA)
WHIDBEY ISL. NAS (Navy)	522 (K)	MH	(4) Cont.
Whidbey Island NAS (Seaplane)	2870 (142.74)	CN	(3),3155;142.74 (24 hrs advance notice)
WOODLAND FM	(- - - -)	FM, 331°,23	Portland, Oregon
YAKIMA	328 (YA)(116.1)	BMRLZ-VDT	(3): 116.1
Yakima County Arpt.	278 (118.5)	C;267°,4.7	(4):118.5,131.9,142.74

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — OREGON

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW;RR E	210	33	Brush N.
Albany	2.5 NE;RR NW	235	26 S6	80 oct.Poles W, SW.
★ Arlington Int,12B,PD-SM	1.4 ENE; riv NW	872	50 L3	
→ Bend (new)	5.5 ENE;hwy S	3420	40 S6	80 oct.Pwrline SE,Use strips.
Bend (old) (NC)	7.8 N; hwy E	3350	44	Poleline W, NW.
(P) Clatsop Co.(Astoria)	3.5 W;riv E	10	57h	
Coastway School of Aeronautics (Tillamook)	1.4 E;hwy W	55	29 S2	80 oct.
Corvallis	4.9 SSW; RR E	235	52h S6	80,91 oct.
Corvallis Junction	1.3 NNE;RR W	240	20 S6	80, 91 oct.No sto.
Dallas (new)	1.2 N;RR S	400	23 S1	80 oct. Poles WSW
Dallas (old)(NC)	1.6 E;RR S	300	23	UNUSABLE;Under cultivation.
Eugene Airpark	1.6 SW;rd W	420	28 S6	73,80 oct.
Harrisburg	2 NNE; RR E; W	300	25 S1	80 oct
Hood River	2.5 S;riv E	605	15 S1	Ltd fuel.lgt acft only
Langmack (Sweet Home)	2 E;hwy N	550	24 S1	80 oct. Poles W
Lebanon	1.3 SW;RR E	340	21 S4	80 oct.
(A) Madras	2 NNW;RR SE	2420	74h	
MAHLON SWEET(Eugene)	8 NW; RR NE	365	52h R1 L5	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii) (NC)-Not charted

OREGON

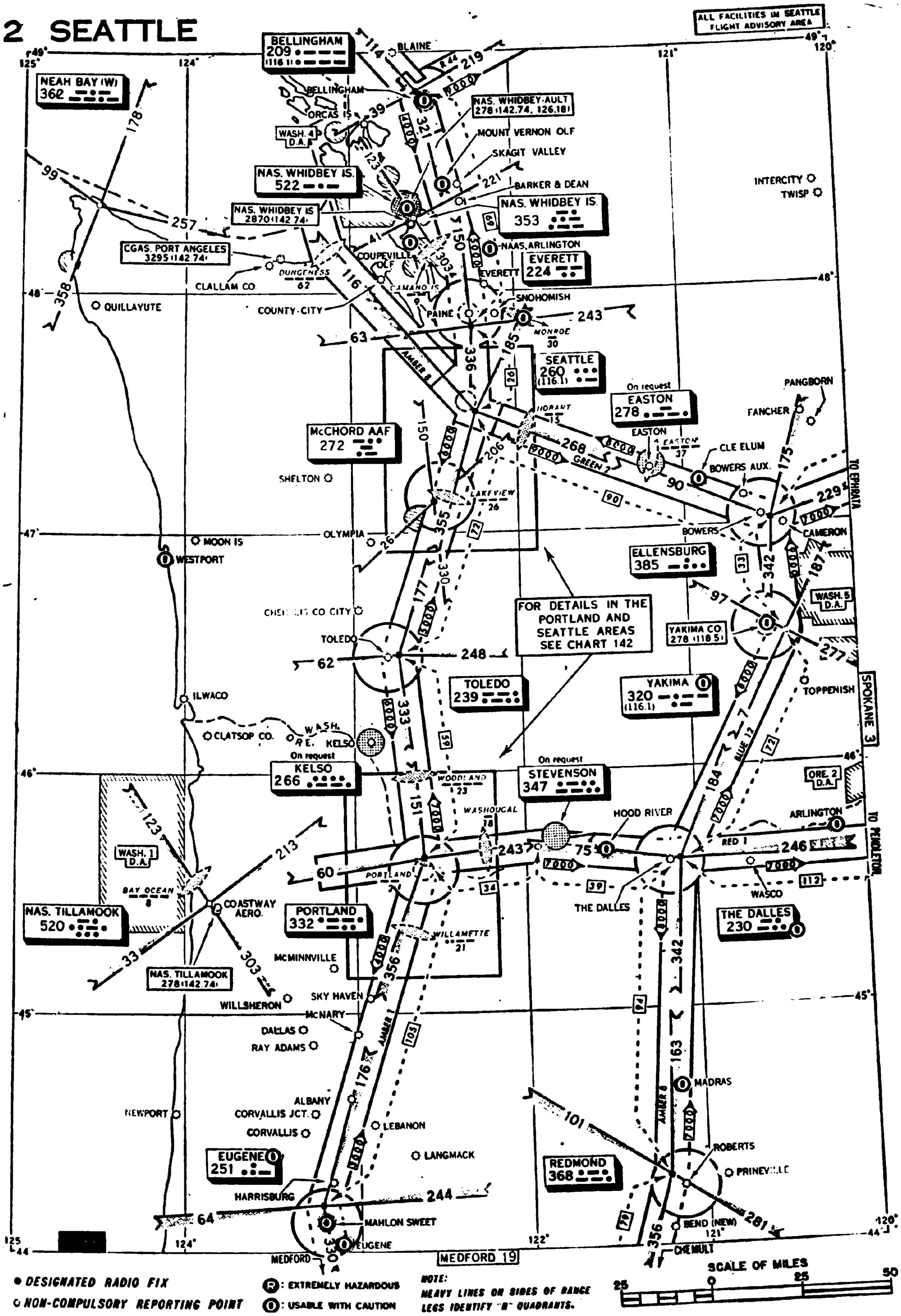
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
McMinnville	3.1 ESE;hwy W	156	50h S4	80,91 oct.
McNARY (Salem)	2.2 SSE;RR SW	207	55h L5 S4	80 oct.;91 oct.emerg.No sto
(P) Newport	4 S;ocean W	160	51h L5 S4	80 oct. No sto. lgts on req.
Prineville	2.9 SW;hwy SW	3240	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW;RR E	195	23 S1	80 oct.Cattle on fld.
(P) Roberts (Redmond)	1.5 SE;hwy N	3064	70h R1 S2	80 oct.
Santiam Junction Flgt Strip (Idanha) (NC)	21.5 SSE;hwys N	4000	30	Trees W,E.
Sky Haven (Brooks)	1.6 NE;RR W	180	17 S1	Ltd 80 oct.
The Dalles	1.7 NE	239	51h R1 L5 S6	80,91 oct.
(N) Tillamook NAS (N)	3 SE; riv N	35	50h R2 L5 S4	91 oct.Used by LTA;HTA.
Vernonia (NC)	2.4 WSW;riv S	620	29	
Wasco	0.4 E;RR SW	1420	18 S1	Ltd 80 oct.
Willsheron(Sheridan)	2.1 SSW;RR NNE	275	15 S1	80 oct.

WASHINGTON

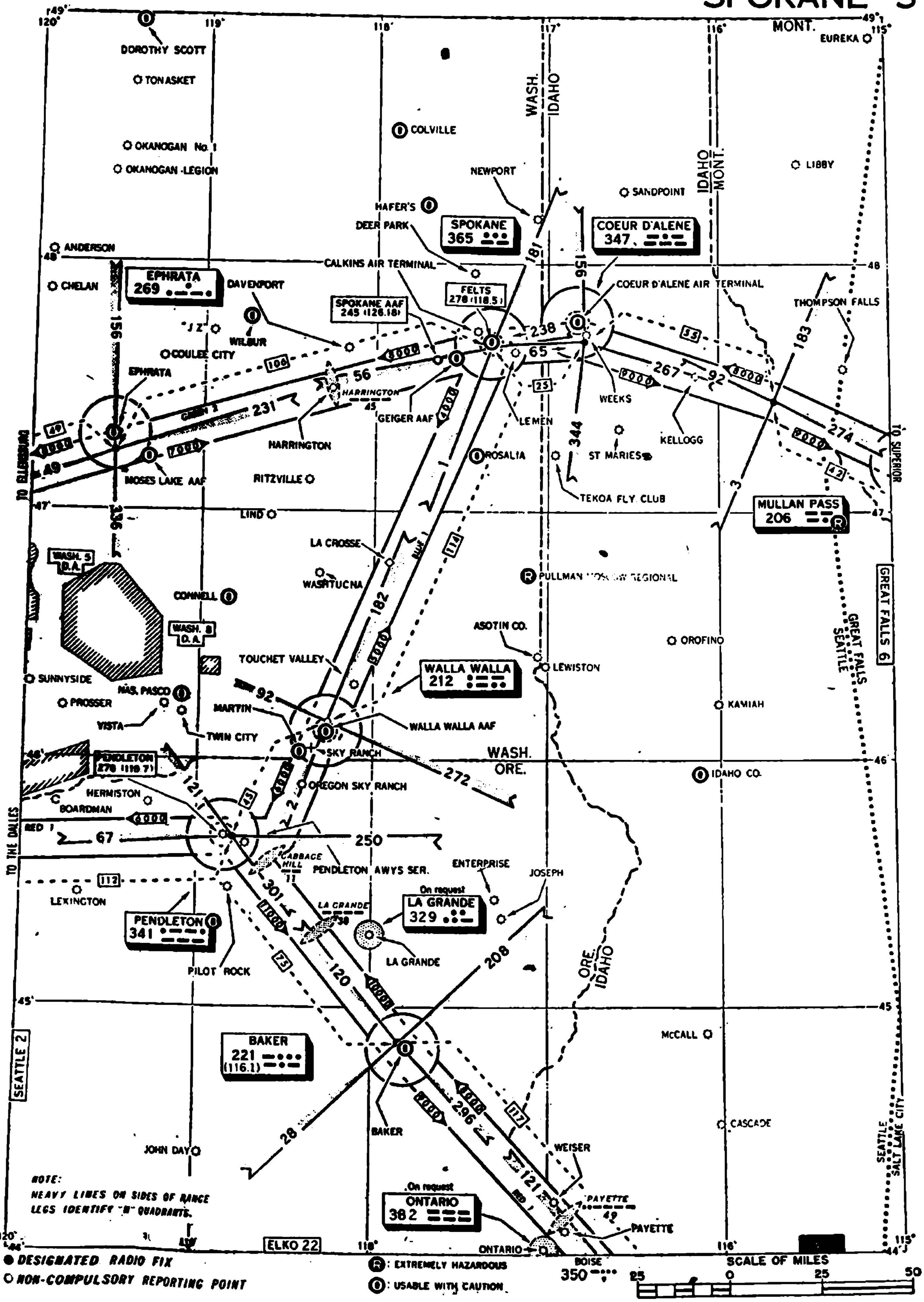
(N) Arlington NAAS (N)	3 SW;hwy W	129	50h	INACTIVE.
Barker & Dean (Mt. Vernon)	2.2 S;RR,riv W	4	20 S4	73,80 oct.No sto.Trees NW.
BELLINGHAM	4.5 NW;hwy E	158	50h R1 L5 S4	73 oct. No sto.Fld lgts prior req.ARPT OF ENTRY
Blaine	0.5 E;RR W	15	18 S1	80 oct.
(P) Bowers (Ellensburg)	2.5 NE;hwy S	1767	59h R1 L5 S6	80 oct.Ctc lgts prior req.
Bowers Aux.(Ellensburg)	8.6 NNW	2140	30	
Cameron (Kittitas)	0.5 N;RR S	1650	26 S2	80 oct.
(P) Chehalis Co.-City	0.6 NW;RR E	174	50h S6	80 oct.No sto.
Clallam County (Port Angeles)	2.9 WNW;RR NW	290	52h S2	80 oct.
Cle Elum	2.4 E;hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW	110	33 S4	80 oct.Pole lines ESE,WNW ARPT OF ENTRY.
(N) Coupeville OLF (N)	2 SE	199	54h	
★ Easton Int,5B,SA-HL	1.7 NNW;RR SW	2221	30 R1 L2	Trees, mtns WNW.
Everett	2.7 NNE;riv N	15	21 S4	80 oct, 30' hangar W.
Fancher (Wenatchee)	2.5 NE;riv W	1440	33h L3 S6	80 oct.Fld lgts prior req.
Forks (NC)	1 SW;rd S	286	23	75' trees E.HAZARDOUS.
Goldendale (NC)	0.6 SE;RR W	1600	20	Poleline E,SE.Ditch cente r
Ilwaco	1.5 ENE;riv S	8	20 S2	80 oct. HAZARDOUS
Intercity,USFS (Winthrop	4 SSE;riv SW	1650	32 S1	73,91 oct.Mtns SE.
Kelso,6IA,SF-SA	1.4 S;RR SW	25	29 R1 L3 S6	80 oct.
Kenmore, (Bothell) (NC)	2.3 NW;rd E	420	17	12-14' brush NNE,SSW.
(P) Moon Island (Aberdeen)	6 W;harb. N,S	14	50h L5 S6	80,91 oct.
(N) Mt.Vernon OLF (N)	5 NW;RR S	146	53h R1	Pole line N,CLOSED
Olympia	4.5 S;hwy E	190	50h S4	80 oct,Trees W.
Orcas Island (E.Sound)	0.7 N;hwy E	25	12 S1	73,91 oct
Paine (Everett)	6.5 SW;hwy NE	598	65h R1 L5 S6	80 oct.Fld lgts prior req.
PANGBORN(Wenatchee)	5.3 ESE;hwy S	1246	46h L5	Contact lgts prior req.
Pasayten,USFS (Winthrop)(NC)	38 NW;riv E	4250	28	Use in emerg.only, to public
(CG) Port Angeles CGAS(CG)	2 NNE	13	45h R1 L5 S1	91,100 oct,Lgts prior req.
Randle,USFS (NC)	1 ESE;riv S	940	13	Pwr line WSW,Cattle on fld.
Quillayute	0.7 NNW;8 W Forks	195	50h	
Shelton	2.5 NW;hwy ENE	278	52h	Tower NW.
Skagit Valley Air Svc. (Burlington)	0.7 S;RR E	35	20 S1	80 oct,Stack N.
Snohomish	0.9 SW;RR N	16	33 S6	80 oct,Poles,trees ESE.
Snoqualmie Pass (North Bend)(NC)	3.5 ESE;hwy S	680	24	Trees WNW,ESE.
★ Toledo Int,63B,SF-SA	3 NE;riv S	371	50h R1 L3 S1	80,91 oct.
Toppenish	3.2 SSW;hwy E	835	32 S5	80 oct.
Twisp	1.9 SE;riv S	1620	19 S1	80 oct.Trees,hills WNW.
Westport (NC)	0.5 N;harbor E	5	18 S1	80 oct
(N) Whidbey Island NAS	3 NW Oak Harbor	24	70h R2 L6 S2	91,100 oct. (N)
YAKIMA COUNTY	2.8 SSW	1058	50h R2 L5 S6	73,80,100 oct.Poleline S.

→ NEW OR REVISED DATA

2 SEATTLE


ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA
BELLINGHAM 209 (116.1)
BLAINE
NEAH BAY (W) 360
BELLINGHAM
ORCAS IS
WASH. 4 D.A.
NAS. WHIDBEY-AULT 278 (142.74, 126.1R)
MOUNT VERNON OLF
SKAGIT VALLEY
NAS. WHIDBEY IS. 522
NAS. WHIDBEY IS 287 (142.74)
BARKER & DEAN
NAS. WHIDBEY IS. 353
INTERCITY
TWISP
CGAS. PORT ANGELES 329 (142.74)
DUNGENESS 62
CLALLAM CO.
COUPEVILLE OLF
NAAS, ARLINGTON
EVERETT 224
EVERETT
CAMANO IS
SNOHOMISH
QUILLAYUTE
COUNTY-CITY
PAINE
MONROE 30
SEATTLE 260 (116.1)
AMBER 8
On request
EASTON 278
PANGBORN
FANCHER
HOBART 15
McCHORD AAF 272
EASTON
CLE ELUM
BOWERS AUX.
SHELTON
LAKEVIEW 26
GREEN 2
TO EPHRATA
BOWERS
CAMERON
OLYMPIA
MOON IS
WESTPORT
ELLENSBURG 385
WASH. 5 D.A.
CHEHALIS CO CITY
FOR DETAILS IN THE PORTLAND AND SEATTLE AREAS SEE CHART 142
YAKIMA CO. 278 (118.5)
TOLEDO
TOLEDO 239
YAKIMA 320 (116.1)
TOPPENISH
SPOKANE 3
ILWACO
CLATSOP CO.
WASH.
ORE.
KELSO
On request
KELSO 266
WOODLAND 23
On request
STEVENSON 347
WASHOUGAL 18
HOOD RIVER
ARLINGTON
ORE. 2 D.A.
TO PENDLETON
WASH. 1 D.A.
BAY OCEAN
COASTWAY AERO.
PORTLAND
PORTLAND 332
THE DALLES
THE DALLES 230
WASCO
NAS. TILLAMOOK 520
NAS. TILLAMOOK 278 (142.74)
McMINNVILLE
WILLAMETTE 21
SKY HAVEN
WILLSHERON
McNARY
DALLAS
RAY ADAMS
NEWPORT
ALBANY
CORVALLIS JCT.
CORVALLIS
LEBANON
LANGMACK
EUGENE 251
HARRISBURG
MAHLON SWEET
EUGENE
MEDFORD
MEDFORD 19
REDMOND 368
MADRAS
ROBERTS
PRINEVILLE
BEND (NEW)
CHEMULT
SCALE OF MILES
25 0 25 50
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

SPOKANE 3


DOROTHY SCOTT
TONASKET
OKANOGAN No. 1
OKANOGAN-LEGION
COLVILLE
NEWPORT
SANDPOINT
EUREKA
LIBBY
WASH.
IDAHO
MONT.
HAFER'S
DEER PARK
SPOKANE 365
COEUR D'ALENE 347
ANDERSON
CALKINS AIR TERMINAL
EPHRATA 269
CHELAN
DAVENPORT
FELTS 270 (118.5)
SPOKANE AAF 245 (126.18)
COEUR D'ALENE AIR TERMINAL
THOMPSON FALLS
WILBUR
COULEE CITY
EPHRATA
HARRINGTON 45
GEIGER AAF
LEMEN
WEEKS
KELLOGG
ROSALIA
ST MARIES
TO SUPERIOR
MOSES LAKE AAF
RITZVILLE
HARRINGTON
TEKOA FLY CLUB
MULLAN PASS 206
LIND
LA CROSSE
WASHTUCNA
PULLMAN MOSCOW REGIONAL
CONNELL
WASH. D.A.
ASOTIN CO.
OROFINO
GREAT FALLS SEATTLE
TOUCHET VALLEY
WALLA WALLA 212
LEWISTON
SUNNYSIDE
NAS. PASCO
PROSSER
VISTA
TWIN CITY
MARTIN
WALLA WALLA AAF
KAMIAH
SKY RANCH
WASH.
ORE.
PENDLETON 270 (119.7)
IDAHO CO.
OREGON SKY RANCH
HERMISTON
BOARDMAN
CABBAGE HILL
PENDLETON AWYS SER.
ENTERPRISE
JOSEPH
LEXINGTON
On request
LA GRANDE 329
PENDLETON 341
LA GRANDE
PILOT ROCK
ORE. IDAHO
McCALL
BAKER 221 (116.1)
CASCADE
BAKER
WEISER
JOHN DAY
On request
ONTARIO 382
PAYETTE 49
ELKO 22
ONTARIO
BOISE 350
SEATTLE SALT LAKE CITY
TO THE DALLES
SEATTLE 2
GREAT FALLS 6
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

SPOKANE

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COEUR D'ALENE (Air Payette FM	347 (KO) (..- - - -)	BMRLZ-DT, 321°,5.2 FM, 301°,49	(4) Boise

MONTANA

MULLAN PASS	206 (MN)	BMRLZ-DT	(4)

OREGON

BAKER	221 (BK)(116.1)	SBRAZ-VDT;116°,2.1	(4); 116.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329 (IU)	MHT	(4)
ONTARIO	382 (OO)	MHT	(4)
PENDLETON	341 (PO)	SBRAZ-DT	(3)
Pendleton Field	278 (118.7)	C; 247°,2.3	(4);131.9,126.18,118.7
LA GRANDE FM	(- - - -)	FM, 300°,38	Baker

WASHINGTON

EPHRATA	269 (EP)	BMRLZ-DT; 336°, 3.9	(4)
FELTS (Spokane)	278 (118.5)	C	(4);118.5,126.18,131.9
HARRINGTON FM	(- - - -)	FM,236°,45.3	Spokane
SPOKANE (Felts)	365 (SM)	SBRAZ-DT;332°,1	(3)
SPOKANE AAF	245 (126.18)	CA	(3); 126.18
WALLA WALLA	212 (WL)	SBMRLZ-DT;182°, 4	(4)

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cascade	1 E;rd N	4765	29 S2	80 oct.Pole line NW.
Cavuse Creek,USFS (NC)	40 ENE Pierce	3700	23	
Chamberlain,USFS (Dixie)(NC)	17.6 SE	5765	21	Maintained May to Nov.
Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50 poles S.
Dixie,USFS (NC)	4 SW;creek E	5200	28	Obst N,E,S.
Idaho Co.(Grangeville)	0.9 N;rd W	3295	44 S2	80 oct,20 pole line W.
Kamiah	0.6 SE;RR E	1194	28	Rough. Trees NNW.
* Kellogg Int,29B,SA-HL	0.8 NW;riv N	2300	38 L3 S4	73 oct,10' dike W.
Landmark,USFS(Knox) (NC)	7.7 ESE	6680	15	Maintained June to Nov.
(P) Lewiston	2 S;riv NW	1426	50h L	Port rnwy lgts.
McCall	1 S;RR W	5021	23 S4	80 oct.Trees W.
Orofino	1.3 W;riv NE	1000	24 S1	80 oct.1000' mtns WNW.
Payette	2 NE;RR W	2200	35	Road crosses fld SE.ENE
Priest River (NC)	0.9 NNW;RR S	2165	21	Trees E;hill W.
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct,No sto.Pole line W.
Tekoa Flying Club (Tensed)	5 NNW;creek N	2650	16 S2	80 oct.
→ Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct; Trees NE.
Weiser	2.8 S;RR NE	2120	34 S2	73 oct.
St. Maries	1.2 NW;hwy S	2132	23	

MONTANA

Eureka	2.7 NNW;RR N	2680	20	
Libby, USFS	1 NE;riv S,E,W	2090	30	Mtns sur fld.
Thompson Falls	3.2 ESE;RR N	2460	25	Mtns E,S.

OREGON

Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80 oct.No sto.
Boardman Flight Strip	5.6 WSW;RR N	378	42h	
Hug's (Elgin)(NC)	0.8 N;RR E	2670	14	
Joseph	1.2 W;RR E	4150	33 S2	80 oct.
La Grande	5.5 ESE;RR SW	2713	47h R1 L2 S6	80 oct.
Lexington	0.7 N;hwy E;RR SW	1650	30 S1	80 oct.
Ontario	2.5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oreg.Sky Ranch(Milton	3.7 SSW;RR E	1300	20 S6	73,80 oct.
PENDLETON	3 WNW;hwy S	1492	63h R2 L5	
"Arwys Inc (Pendleton)	3.8 ESE;RR N	1200	37 S6	80,91 oct,Poleline E.
Pilot Rock	0.8 E;hwy N	1780	23 S2	80 oct
Hermiston	1.7 SE;riv N	635	23 S1	80 oct.
Enterprise	1.4 WNW;RR,hwy SW	3750	34	

WASHINGTON

Asotin Co.(Clarkston)	0.6 N	760	34 S6	80,91 oct,Mtn 1 mi W,
Anderson(Pateros)	1.6 SSW;RR N	1100	16	Mtns NW.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct.Trees 200' W.
Chelan	4.7 NE;riv E	1250	34 S2	Fuel. Hills W,N,S.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
Connell	1.2 SSW;RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW;hwy S	2425	28 S1	80 oct.Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
Dorothy Scott (Orov'l)	3 NNE;lake W	1150	40 S1	73 oct,2000' mtn S.
Ephrata	2 SE;hwy NW	1258	73h R1 S6	80 oct.
Fairweather(Republic)	0.8 S;riv E	2500	20	Trees N,S. (NC)
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91oct,ARPT OF ENTRY
(N) Geiger (Spokane)(A)	6.5 SW;hwy N	2354	82h	INACTIVE.
Hafer's Ranch (Chewelah)	3.6 SSW;RR E	1700	18	
* Harrington Int,19,SA-HL	1 NNW;hwy E	2305	32 L3	
La Crosse,28B,PD-SM	2.5 SW;RR NW,E	1459	37 L3 S1	80 oct.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct.No sto,Poleline NE.
Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Pl.)	1.5 WSW; RR N	750	24 S6	80,91 oct.No sto.Trees
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	INACTIVE. ENE.
Newport	1 W;riv NE	2150	29 S2	No fuel.Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	24 S1	80 oct.Posts NE.
Okanogan Flgt Strip (Omak)	4 N	1298	47h	
(N) Pasco NAS (N)	2.8 NNW;RR E	402	47h	INACTIVE.
Prosser	1.4 NW;riv SE	685	40 S6	80,91 oct, Trees W.
Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct.Pwr line,bldgs NE.
Rasalia	2.6 W	2180	26 S1	80 oct.Hill NE.
Sky Ranch(Walla Walla)	1.3 SW		32	Pwr line W.Data unverif.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct.JP-1.No sto
Sullivan Lake (Metaline Falls) (NC)	4 ESE;lake S	2590	21	Road crosses fld,caution.
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	31 S1	80 oct,Pwr line SSW.
Vista (Kennewick)	4.5 W;rivers NW	516	35h	
Wallace (Mead)(NC)	2 W;RR E	1935	26	40 trees NE.
(A) WALLA WALLA AAF	3 NE; hwy S	1186	72h R1	CLOSED (A)
Washtucna	1 S;RR SE,NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct,Pole line NE.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
"J Z" (Almira)	1 NNW; RR SW	1950	21	
Touchet Valley (Huntsville)	0.5 NE;RR S	1400	19	Trees,pole line WSW.(NC)

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA.

RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388 (DZ)	SBRAZ-DT, 332°,1.7	(4)
MONTANA			
ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL)	SBMRAZ-DT,319°,0.8	(4)
BUTTE	233 (BT)	BMRLZ-DT,99°,16.1	(4)
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV)	SBRAZ-DT,327°,3.1	(4)
DILLON (Int.)	379 (DE)	BMRLZ-DT,167°,2	(4)
DRUMMOND (Int.)	296 (DR)	SBMRAZ-DT,185°,1.4	(4)
GREAT FALLS	317 (GT)	SBRAZ-DT	(3)
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.9	(4);126.18,131.9.113.7
→ GREAT FALLS AAF	219 (126.18)	CA	(3); 126.18
HELENA	371 (HL)	SBMRAZ-DT,252°,1.9	(4)
HOMESTAKE FM	(- -)	FM, 275°, 21	Butte
LIVINGSTON (Int.)	224 (LT)	SBMRAZ-DT,247°,2	(4)
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308 (MX)(116.1)	SBMRAZ-VDT,120°,1.5	(4); 116.1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254 (SP)	BMRLZ-DT,273°,0.1	(4)
WHITEHALL (Int.)	284 (WW)	SBRAZ-DT,183°,2.3	(4)
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)
→ GREAT FALLS AAF, MONT.				DECOMMISSIONED.

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — IDAHO

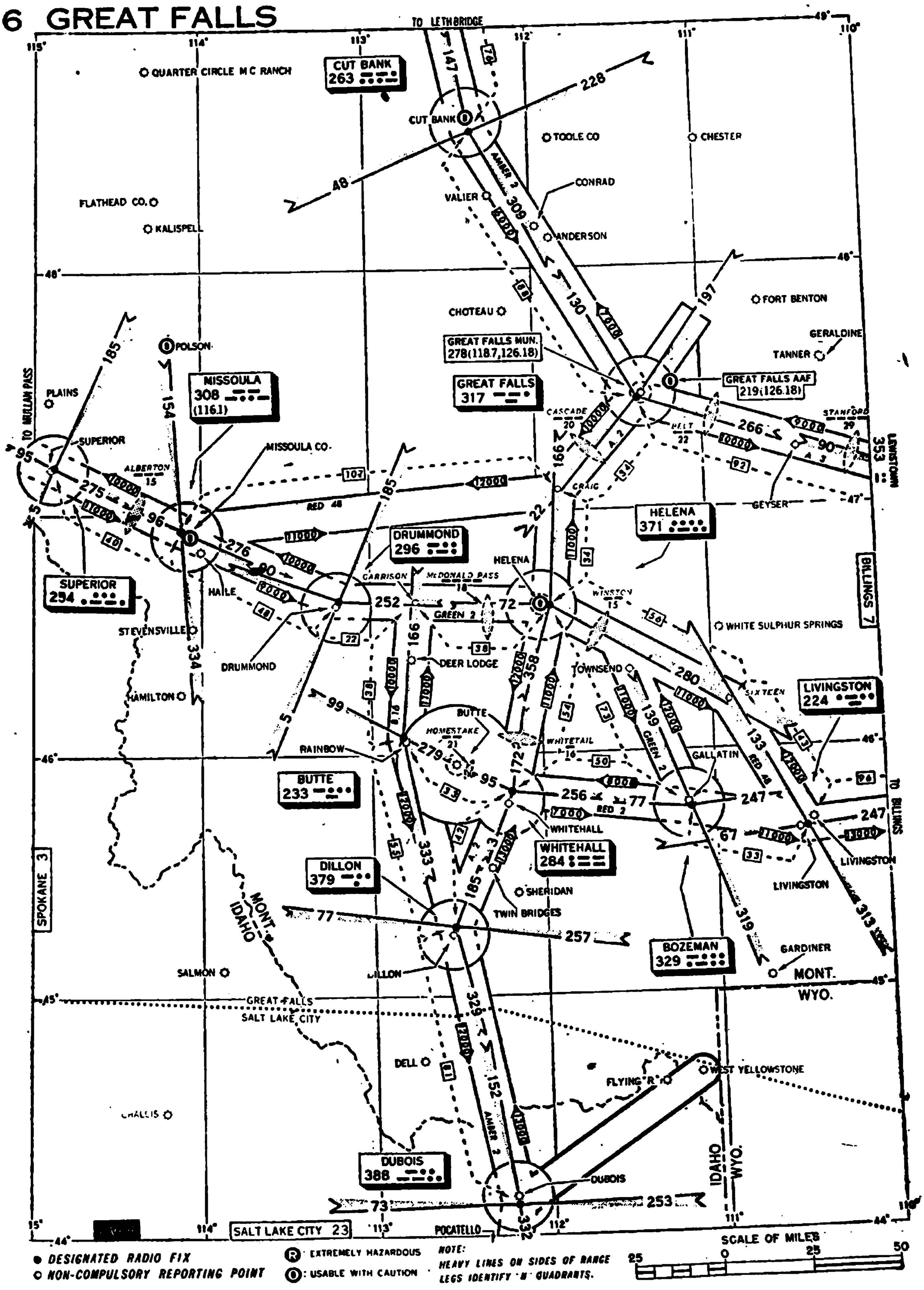
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs (NC)	1,1 WNW;RR SE	6350	27	Trees ENE,WSW.
Challis	1,2 NNE;hwy E	5000	34 S1	73,80 oct.
Dubois ,23,SL-GT	0,8 SSE	5123	48 R1 L3	30° pole W.
Flying R (Lake)	2,8 SE;lake W	6630	34 S1	Ltd 73 oct.
Moose Creek,USFS (Red Riv,Hot Sprgs)	26,5 NNE	2200	23	Mtns sur fld, (NC)
Salmon	4 S;riv W	4045	40 S2	80 oct,Mtns NE.
MONTANA				
Anderson (Conrad)	4,8 SE;RR W	3730	16	PRIVATE.
Basin Creek (Flathead Nat'l Forest)(NC)	56 NE Missoula	4900	21	Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	57 NE Missoula	4650	22	Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	58 SE Kalispell	4200	22	Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25	(NC)
BUTTE	4 S;RR W,N	5553	56h R1 L5 S4	80,91 oct.
Chester	1,5 NW;RR S	3150	44	
Choteau	1,2 NNE;RR W	3810	39 S1	80 oct.
Condon (Flathead Nat'l Forest)(NC)	48 NNE Missoula	3690	25	
Conrad	1,1 W; creek S	3530	32 S1	80 oct.
CUT BANK	3 SW;riv 1 E	3899	87h R1 L5 S6	80 oct. ARPT OF ENTRY.
Deer Lodge	1,5 W;RR E	4700	38 S1	80 oct.
Dell Fight Strip,28, SL-GT	1,3 NW;RR E	6008	70h L2	
★ Dillon Int,32, SL-GT	4,6 ENE;riv 2 W	5238	38 R1 L3 S1	80 oct.

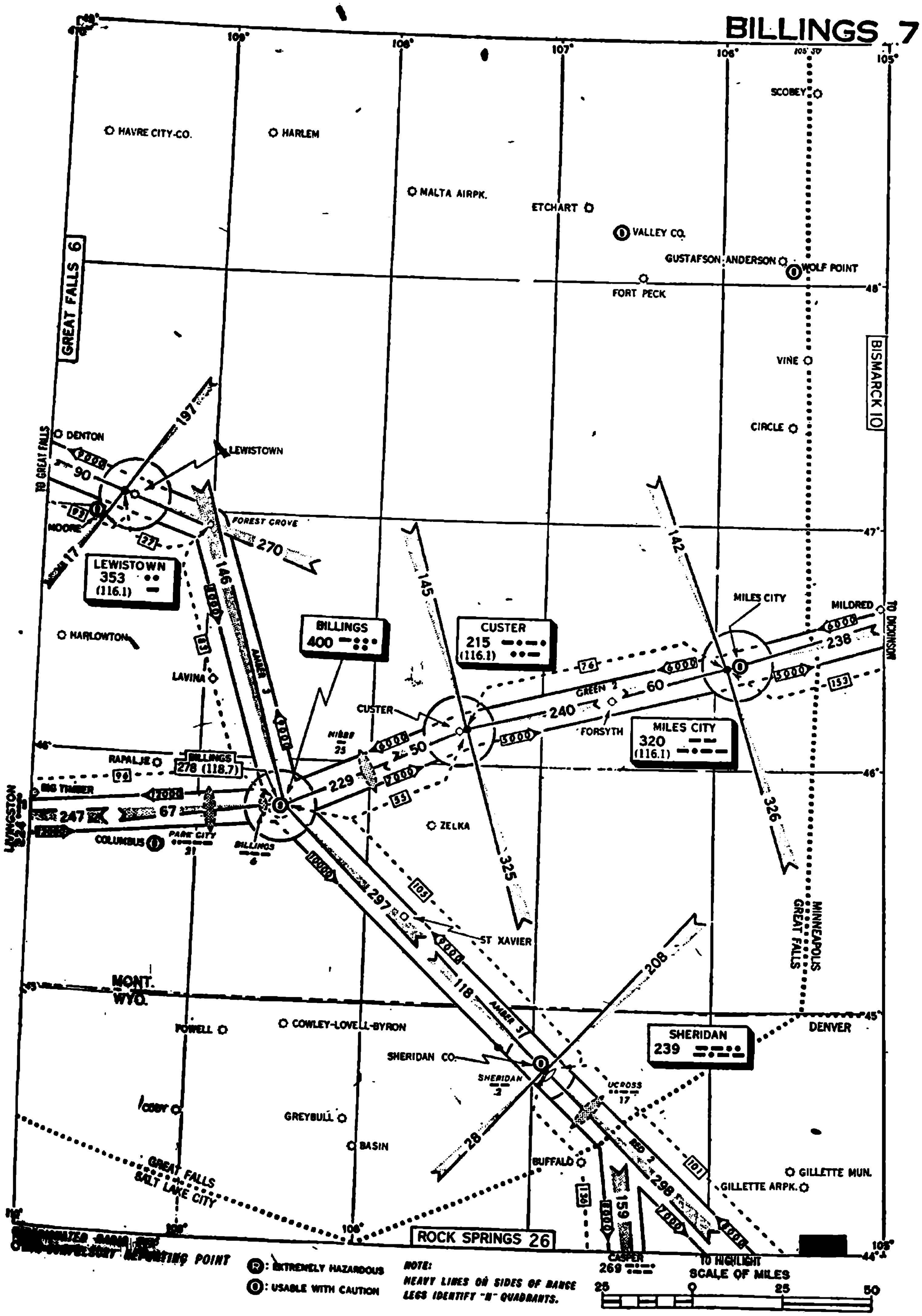
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii) (NC)-Not charted. → NEW OR REVISED DATA

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int.44B, SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	
Flathead Co.(Kalispell)	7,4 NNE;RR E	2690	47h L2 S1	80 oct.All lgts prior req.
Fort Benton	1,3 NE;RR SE	2870	27	Poles NW.Soft when wet.
Gallatin (Bozeman)	8,5 NW;RR S	4461	52h R1 L5 S6	80-100 oct.
Gates Park,USFS(NC)	35 W Choteau	5400	26	Sur by mtns.Closed to public
Geraldine Mun.	0,5 S;RR NE	3200	17 S1	Ltd 73 oct.
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
GREAT FALLS	3,5 WSW;RR E	3664	70h R2 L5 S6	80,91 oct.ARPT.OF ENTRY.
→ (A) Great Falls AAF(A)	4,5 E;RR N	3459	89h R1 L5 S6	73,91,100 oct.IP-1.Foreign clearing station.
Hale (Missoula)	2,3 SSW;hwy NW	3200	38 L4 S6	73 oct.All lgts prior req.
Hamilton	1,3 ENE;hwy W	3640	24 S6	80 oct.Pole line S.
HELENA	2.5 ENE;hwy W	3894	55h R1 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	58 NE Missoula	4575	20	Sur by mtns.Closed to public
Hot Springs (NC)	2,2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.Poles NW.
Livingston	6 ENE;RR N,W	4656	62 S1	80 oct.
★ Int.10.HL-Twin Cities	2 E;RR N	4603	40 R1 L3	Poles S.
→ Meadow Creek (Flathead Nat'l Forest)	48 SE Kalispell	4000	22	(NC)
MISSOULA COUNTY	5,3 WNW;RR N	3199	71h R1 L5 S2	73,91 oct.
Plains	1,3 NNW;RR E	2500	32 S4	80 oct.No sto.30' Poles NW,NE.
Polson	1,5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4,2 NW;riv W	3600	26 S1	73 oct.Ski-equipped acft only. Nov. thru April.
Rainbow Skyport (Gregson)	0.7 N;RR E,S	5030	40 S1	80 oct.
Schaeffer (Flathead Nat'l Forest)(NC)	50 ESE Kalispell	4855	24	Sur by mtns.
Seeley Lake (NC)	1,5 WNW;lake SE	4150	20	Trees NW.
Sheridan	1,5 SE;RR W	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat'l Forest)(NC)	39 SE Kalispell	3800	22	
Stevensville	2 ENE;riv 2 W	3620	30 S2	73 oct.
★ Superior Int,36B,SA-HL	1 S;RR SW	2700	35 R1 L2	Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L2 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	38	
Valier	0.6 S;lake S	3820	35	Caution when wet.
West Yellowstone	1,3 W;RR S	6700	63 S2	91 oct. Trees sur fld.
★ Whitehall Int,36A,SL-GT	6,7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.
Gardiner	1 NNW;RR S	6200	22	

6 GREAT FALLS




BILLINGS 7
HAVRE CITY-CO.
HARLEM
MALTA AIRPK.
ETCHART
VALLEY CO.
SCOBEY
GUSTAFSON
ANDERSON
WOLF POINT
FORT PECK
VINE
CIRCLE
BISMARCK 10
GREAT FALLS 6
DENTON
LEWISTOWN
MOORE
FOREST CROVE
LEWISTOWN 353 (116.1)
HARLOWTON
LAVINA
BILLINGS 400
CUSTER 215 (116.1)
MILES CITY
MILDRED
TO DICKINSON
CUSTER
NIBBE
FORSYTH
MILES CITY 320 (116.1)
RAPALJE
BILLINGS 278 (118.7)
BIG TIMBER
COLUMBUS
PARK CITY
BILLINGS
ZELKA
ST XAVIER
MINNEAPOLIS GREAT FALLS
MONT. WYO.
POWELL
COWLEY-LOVELL-BYRON
SHERIDAN CO.
SHERIDAN
SHERIDAN 239
DENVER
UCROSS
COOK
GREYBULL
BASIN
BUFFALO
GILLETTE MUN.
GILLETTE ARPK.
GREAT FALLS
SALT LAKE CITY
ROCK SPRINGS 26
CASPER 269
TO HIGHLIGHT
SCALE OF MILES
25 0 25 50
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400 (BI)	SBRAZ-DTX	(3)
Billings Airport	278 (118.7)	C(ILS);247°,1.5	(4);118.7,126.18,131.9
BILLINGS LFM	(- - -)	LFM, 247°, 6	Billings
CUSTER (Int.)	215(CU)(116.1)	BMRLZ-VDT,230°,2	(4); 116.1
LEWISTOWN	353(IT)(116.1)	SBRAZ-VDT,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-VDT,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 49°, 25.4	Billings
PARK CITY FM	(. . - - -)	FM, 247°, 21	Billings
WYOMING			
SHERIDAN LFM	(- -)	LFM, 117°, 2.3	Sheridan
SHERIDAN	239 (ZY)	SBRAZ-DT,298°,1.8	(4)
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Billings, Mont.	110.3	335	253° Mag.	IM-	MM- ·-·-(0.6)	OM- --(4.3)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105, 4495, 6210 kcs (4) 3105 4495, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Horn Co.(Hardin)	2.3 ESE,riv W	3000	31	(NC)
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW,hwy N	4450	43 L3	
BILLINGS	2.5 NW,RR S	3565	57h R3 L6 S6	73,91,100 oct.
Bones Bros.Ranch (Birney)(NC)	2 ESE,crk W	3500	29	ROUGH
Chinook (NC)	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21	
Columbus	1 ESE,RR N	3575	50 S1	80 oct.Poles W,E,NW.
★ Custer Int,25,HL-Twin Cities	2.3 E,riv NE	2868	42 R1 L3	
Denton	2.2 SSW,RR N	3850	26 S4	73 oct.
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct.Trees SE.
★ Forsyth Int,30,HL-Twin Cities	3 ENE.riv N	2722	30 L3	
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct.
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct.Poleline E.
Harlem	2.3 NNE,RR E	2560	24 S2	80 oct.
Harlowton	2 WNW,riv S	4400	29 S2	73 oct.
Havre-City-County	4 WSW,lake E	2589	48h S4	80 oct.ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
Jordan (NC)	1.8 WNW,rd S	2637	40	Road W.
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	39 L3	
LEWISTOWN	2.5 SW,RRNW	4177	100h R1 L5S4	80 oct.
Malta Airpark	0.8 SW,RR N	2270	31 S4	80 oct.Shrubs NW,No sto.
★ Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L2	
(P)MILES CITY	2.5 NW	2626	56h R1 L5 S6	73,91 oct. Hwy NE.
Poplar (NC)	0.8 N,RR S	1970	33	
Rapelje	1 SE,RR N	4030	38	
Red Lodge (NC)	0.5 WNW	5600	29	ROUGH. Road N.
Roundup (NC)	1.9 N,hwy S	3500	37	Hwy W.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W.
Scobey	1 NW,RR S	2458	34 S1	80 oct.
Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)(NC)	2 W,hwy N	3002	18	
WYOMING				
Basin	2.5 NE,riv E	3775	34	Hills adj E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	80, 91 oct. Hwy E.
Cody	2 ESE,riv N	5084	47 S6	73,91 oct.Hill E; pole line S.
Cowley-Lovell-Bryon	2 NNE,rd NW	4050	32	
(P)Gillette	5.2 NNW	4380	36 S2	73, 80 oct. Hwy E.
(P)Grey Bull	2 NW,hwy S	3900	44 S2	73 oct.
(P)Powell	8 NNW	5054	42 S2	73 oct.
(P)SHERIDAN COUNTY (Sheridan)	2 SSW,hwy E	3961	60h R1 L5 S6	80,91 oct.
Moore (Mont.)	0.5 E,RR N	4100	20 S2	73 oct.
Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S1	80 oct.Poles NW.

RADIO — NORTH DAKOTA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-VDT,260°, 2.3	(4): 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-VDT,167° 2.1	(4): 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
GOLVA (Int.)	266(GA)(116.1)	MHVT	(4): 116.1
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT(Port O'Minot)	209 (UI)	BMRLZ-DT,301°, 3.4	(4)
SOUTH DAKOTA			
PHILIP	206 (IL)	MHT	(4)
PIERRE	347(PX)	SBRAZ-DT,249°, 3.5	(4)
RAPID CITY	221 (RZ)	SBRAZ-DT	(4)
Rapid City AAB	396 (126.18)	CA:345°,5.5	(4): 126.18
SPEARFISH (Black Hills Airport)	335 (SE)	HT	(4)

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105, 4495, 6210 kcs.; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Baker	0.8 SSE,hwy N	2290	35 S2	80 oct.Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct.Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.
NORTH DAKOTA				
Beach	0.8 NNW	2814	30 S1	73 oct. RR W.
BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S4	73,80,91 oct.No sto.
Bowman	1.5 W,RR N	3000	24	
Chandler(Williston)	3 W,RR SE	1877	24 S6	80 oct.
Crosby	1 N,RR SW	1962	33	
Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data.

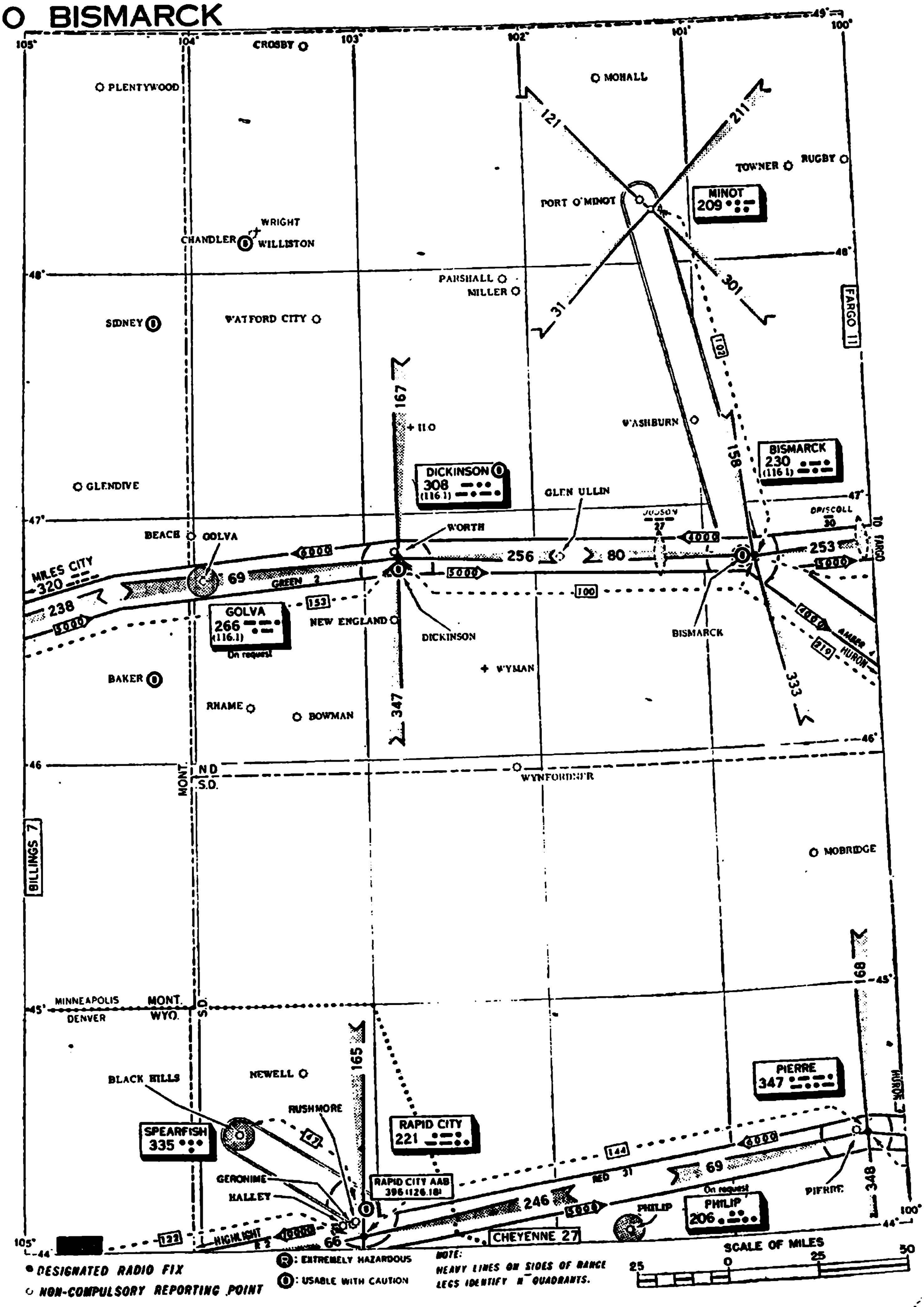
NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Dunseith (NC)	1.5 S	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 R1 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct.Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S1	80 oct.Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S2	73 oct.Polelines S.
New England	2.4 NE,hwy W	2666	24 S2	73,80 oct.Poleline W
Parshall	1 S,RR N	1970	22	
(P) Port O'Minot(Minot)	1.6 NNE, hwy W	1724	58h R1 L5 S4	80,91 oct.No bcn.Pwr line SW.
Rhame	1.5 SW,RR NE	3150	23 S1	73 oct.Pole line S.
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct.Poleline N,NW.
★ Washburn Int,4,RK-UI	5.1 N,hwy W	1905	40 L3	Pole line W.
Watford City	1.2 ENE,hwy S	1975	31 S1	73 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct.Obsts N,E,S
Worth(Dickinson)	1.8 SW,riv NW	2455	28 S6	73 oct.Hangar NW.
Wright(Williston)	2 NNE	1876	32h S6	80,91 oct.Data unver.
Wyman (Mott)	1 S,dam N		30 S1	80 oct.Data unver.

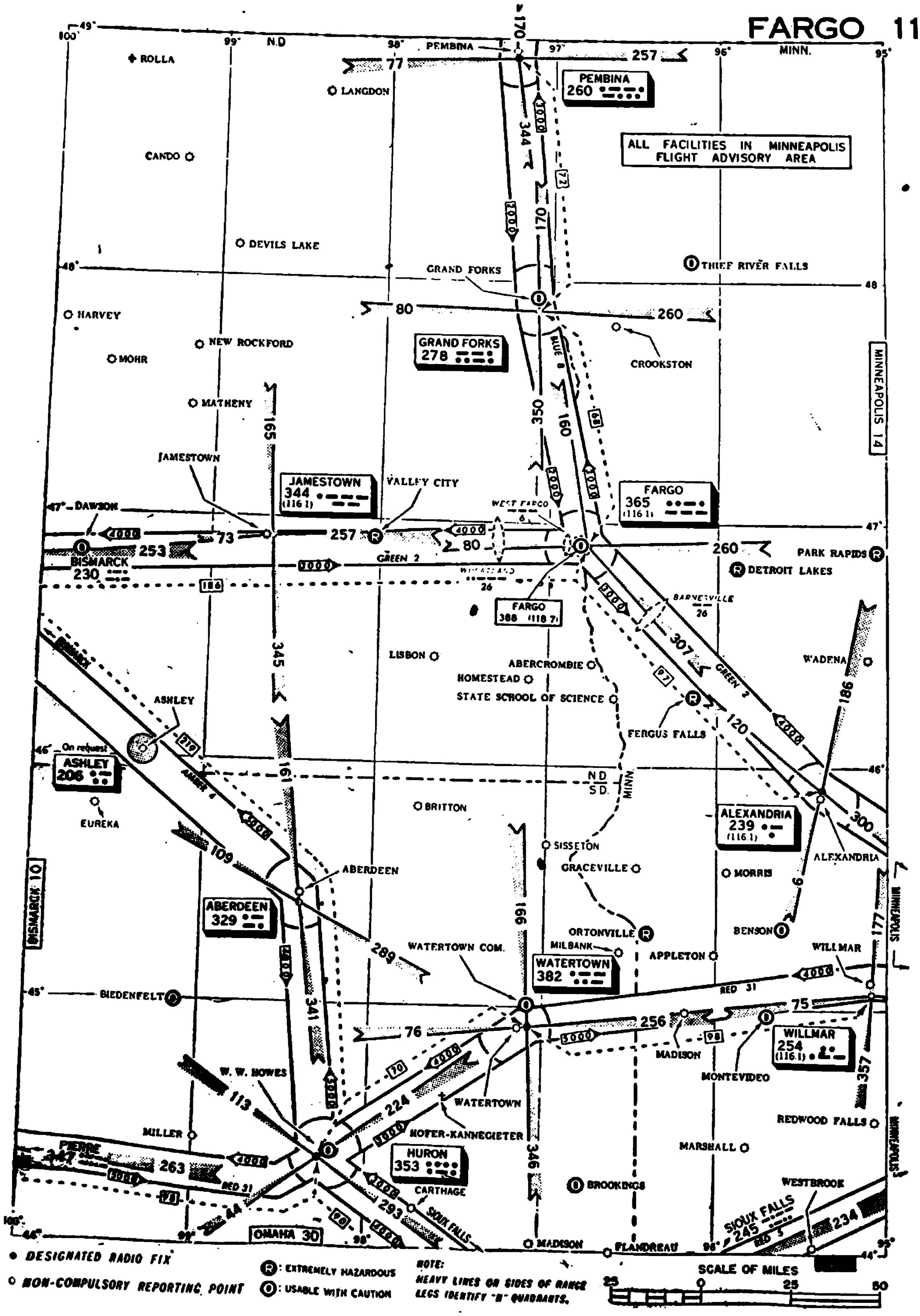
SOUTH DAKOTA

Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	53 R1 S6	73, 91 oct.(Spearfish)
Geronime(Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct.Poles sur fld
Halley(Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct,Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct.Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct.No sto.Poleline N
PIERRE	3.5 NE,riv SE	1719	69h R1	
(A) Rapid City AAB(A)	8 NE,RR S	3216	83h R2 L5 S4	73,91,100 oct.JP-1.
Rushmore(Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.
Wynfordner(Lemmon)	1.3 NE,RR S	2580	26 S1	80 oct.Poleline NW.

10 BISMARCK


105°
104°
103°
102°
101°
100°
49°
48°
47°
46°
45°
CROSBY
PLENTYWOOD
MOHALL
121
211
TOWNER
RUGBY
MINOT
209
PORT O'MINOT
WRIGHT
CHANDLER
WILLISTON
PARSHALL
MILLER
SIDNEY
WATFORD CITY
301
31
FARGO 11
102
167
110
WASHBURN
158
BISMARCK
230
(116.1)
DICKINSON
308
(116.1)
GLENDIVE
GLEN ULLIN
JUDSON
27
DRISCOLL
30
TO FARGO
WORTH
BEACH
GOLVA
6000
256
80
5000
253
MILES CITY
320
69
GREEN 2
238
153
100
GOLVA
266
(116.1)
On request
NEW ENGLAND
DICKINSON
BISMARCK
2000
AMBER
219
HURON
333
WYMAN
BAKER
RHAME
BOWMAN
347
WYNDMERE
NOBRIDGE
BILLINGS 7
MONT.
N.D.
S.D.
MINNEAPOLIS
DENVER
MONT.
WYO.
168
BLACK HILLS
NEWELL
165
PIERRE
347
SPEARFISH
335
RUSHMORE
17
RAPID CITY
221
GERONIME
HALLEY
RAPID CITY AAB
396 (126.18)
144
RED 31
69
On request
246
PIERRE
348
HURON
PHILIP
PHILIP
206
122
HIGHLIGHT
R 2
66
CHEYENNE 27
SCALE OF MILES
25
0
25
50
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY R QUADRANTS.

FARGO 11


ROLLA
N.D
PEMBINA
MINN.
LANGDON
77
257
PEMBINA
260
170
344
300
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA
CANDO
DEVILS LAKE
GRAND FORKS
THIEF RIVER FALLS
HARVEY
80
260
NEW ROCKFORD
MOHR
GRAND FORKS
278
CROOKSTON
MATHENY
165
350
160
MINNEAPOLIS 14
JAMESTOWN
JAMESTOWN
344
VALLEY CITY
DAWSON
FARGO
365
WEST FARGO
73
257
80
260
PARK RAPIDS
BISMARCK
253
230
GREEN 2
DETROIT LAKES
186
FARGO
388
BARNESVILLE
LISBON
ABERCROMBIE
HOMESTEAD
STATE SCHOOL OF SCIENCE
307
GREEN 2
WADENA
ASHLEY
FERGUS FALLS
120
345
ASHLEY
206
On request
EUREKA
ND
SD.
MINN
BRITTON
ALEXANDRIA
239
SISSETON
GRACEVILLE
MORRIS
ALEXANDRIA
109
ABERDEEN
ABERDEEN
329
BISMARCK 10
166
ORTONVILLE
BENSON
WATERTOWN COM.
MILBANK
APPLETON
WILLMAR
WATERTOWN
382
289
177
MINNEAPOLIS
341
BIEDENFELT
RED 31
75
256
76
WILLMAR
254
MADISON
MONTEVIDEO
357
W. W. HOWES
113
224
WATERTOWN
REDWOOD FALLS
MILLER
HOFER-KANNEGIETER
PIERRE
263
HURON
353
MARSHALL
346
BROOKINGS
WESTBROOK
CARTHAGE
293
SIOUX FALLS
SIOUX FALLS
245
234
OMAHA 30
MADISON
FLANDREAU
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE:
HEAVY LINES OR SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
SCALE OF MILES
25
0
25
50

RADIO

MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	239(AE)(116.1)	BMLZ-VDT,186°,2	(4). 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
WILLMAR	254(IW)(116.1)	SBMRAZ-VDT,357°,3.5	(4): 116.1

NORTH DAKOTA

ASHLEY (Int.)	206 (AI)	MHT	(4)
FARGO	365(FO)(116.1)	SBRAZ-VDT	(3): 116.1
Fargo-Hector Arpt	388 ((118.7))	C, 260°, 0.9	(4); 126.18, 118.7,
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4) 131.9
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-VDT,253°,1.5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5.5	Fargo.
WHEATLAND FM	(. . - - -)	FM, 260°, 25.5	Fargo.

SOUTH DAKOTA

ABERDEEN	329 (AN)	SBRAZ-DT,341°,2.5	(4)
HURON (W.W.Howes)	353 (HR)	BMRLZ-DT,44°,2.7	(4)
WATERTOWN	382 (WU)	BMRLZ-DT,256°,2.9	(4)

S Simultaneous Range and Voice. W Without Voice. Z VHF Station Location Marker at Range Station. (3) 3105 4495 6210 kcs (4) 3105 4495 6210 3117.5 kcs Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available

AIRPORTS

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S4	80,91 oct.
Appleton	1.9 NNE,riv S	1010	34 S2	80 oct. Poleline S,SE,SW
Benson	2.4 NW	1031	22	Poleline NW.
Crookston	3 NNW,RR N	875	30 S2	80 oct. Obst sur fld.
Detroit Lakes	2.7 W,RR N	1392	35 S2	80 oct. Rnwy data unver.
Fergus Falls	4.3 W,RR N	1160	23 S1	80 oct. Poleline W
Graceville	0.8 WNW,RR S	1110	16	Poleline S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct.
Marshall	1.5 W,RR NE	1167	35 S4	80 oct.
Montevideo	2.2 NNE,RR W	950	19 S2	80 oct. Poleline W,NW
Morris	2.7 WSW,RR N	1134	31 S2	80 oct. Trees,poleline NW
Ortonville	1 ESE,hwy S	1090	21	Hwy W.
Park Rapids	1.7 SSW,RR E	1440	28	Poleline E.
Redwood Falls	1.8 NE,riv NE	1025	25 S2	80 oct. Poleline SE,SW.
Thief River Falls	3.6 S, riv W	1110	20 S1	80 oct.
Wadena	1 E,RR NW	1300	30 S1	80 oct. Poleline S,NW.
Westbrook	1 SE,hwy N	1500	18 S1	80 oct. Poleline W.
Willmar,16,HR-MP	1.5 W,RR E	1130	28 R1 L3 S6	80 oct.

NORTH DAKOTA

Aberercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.

h-hard surfaced runways. S-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2025	40 R1 L3	
Cando	1.1 SW,RR E	1490	26 S1	80 oct.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	
Devils Lake	2.5 W,hwy S	1450	43h	Poleline W
FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73-100 oct. JP-1 fuel.
GRAND FORKS	2.6 WNW,RR S.E	837	49h R1 L5 S6	73,80,91 oct. ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	30 S1	80 oct.
Homestead(Wynd-mere)	6.2 N,hwy W	1100	19 S1	Ltd 73 oct. Trees E,SW.
(P) Jamestown	1.5 NE,hwy S	1493	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	18 S1	80 oct.
Lisbon	0.8 SSW,RR SE	1151	21 S1	73 oct. Polelines N,S.
Matheny (Carrington)	1.3 W,RR N	1580	32 S1	80 oct. Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct.
New Rockford	1.5 N	1533	30	
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80 oct. No ngt svcg. ARPT. OF ENTRY.
Rolla	0.7 N,lake S		21 S2	80 oct. Data unver.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct. Poleline N;pwrline E.
(P) Valley City, 71,HL-Twin Cities	1.5 NW,riv NE	1375	31 L3	

SOUTH DAKOTA

Aberdeen	2.9 E,RR N	1299	49h R1 L5 S6	73,80,91 oct.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct. Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Eureka (NC)	6 N, rd W	1895	28	Poles W.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct. Poles sur fld.
Hofer-Kannegieter (Willow Lake)	1.5 E	1787	22 S2	73 oct. Poleline N. Data unver.
Madison	3.7 ENE,hwy S	1688	26 S2	80 oct. Trees W;pole NW
★ Miller,Int,44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW,RR NE	1300	25	Pole line E.
→ WATERTOWN	2 NW,RR NE	1736	69h R1 L3 S1	80, 91 oct.
→ Watertown Com.				ABANDONED.
(P) W.W.HOWES(Huron)	1.3 NNW	1287	43h R1 L3 S6	73,80,91 oct.
Britton Mun.(S.D.)	2 NNE,RR W	1350	24 S1	73 oct. Poles W.
→ Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct.. Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct Pwr line SE,NNE.

RADIO — MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
DULUTH (Williamson-Johnson)	221 (DH)	SBRAZ-DT, 130, 4	(4)
HAMEL FM	(- - - -)	FM, 298°, 24	Minneapolis
HASTINGS FM	(- -)	FM, 118°, 10.2	Minneapolis
JORDAN-FM	(- - -)	FM, 238°, 26	Minneapolis
LAKE CITY	206 (FE)(116.1)	MHVT	(4); 116.1
MINNEAPOLIS (Wold Chamberlain Field)	266(MP) (116.1)	SBRAZ-VDT, 298°,3.5	(3);116.1
WOLD CHAMBERLAIN (Minneapolis)	278(126.18) (142.74)	AC	(4); 116.1,126.18,142.74

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station **Location** Marker at Range Station. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 **kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available**

AIRPORTS — MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gogebic Co. (Ironwood)	4.5 NNE; RR S	1246	24 S4	80 oct. Soft when wet.

MINNESOTA

	AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
	Anderson (Cozato)	2.6 ENE,RR S	1020	23 S2	80 oct.Poles S; trees W.
	Anoka Flying Service	1.2 SE,riv SW	896	19 S1	80 oct.Poles NE; 629' twr SE.
	Baudette	1 N, riv NE		27 S2	80 oct. Data not verified.
→	Bemidji	3.8 NW RR S	1395	57h S4	80, 91 oct. Rnwy data unverified.
	Brainerd	1.3 SSE,hwy W	1210	22 S2	Ltd 73 oct.
(A)	Camp Ripley (Little Falls)	7.5 N, riv E	1150	52	Tank SE corner (A)
	Carleton (Stanton)	0.7 NE,RR W	870	30 S6	80 oct.Polelines sur fld.
	Cedar (Minneapolis)	8.5 S, RR W	811	28	
	Coleraine	0.8 SSE	1390	25 S1	80 oct.
	Ely	1.2 E	1425	24 S2	Poleline W,trees sur fld.
	Faribault	1.6 S,hwy W	1060	20 S1	80 oct. Pwr line W.
	Fleming (South St. Paul)	1.8 S, riv E	822	15h	
	Flying Cloud (Minneapolis)	13.8 SW, riv S	900	28 S1	80 oct. Poles SE, SW
	Gervais (Toft)	1.2 NE,hwy S	800	27 S2	80 oct.
	Grand Rapids	1.5 SSE,lake NE	1293	22 S2	80 oct.
	Hector	0.7 S, RR N	1100	25 S1	80 oct.Poleline W, NW, SW.
	Heywood Gull Lake (Nisswa)	1.7 SSW,lake S	1200	26 S1	80,91 oct.Trees,poles sur fld.
(P)	Hibbing	4.5 SE,lake NNW	1367	40h S6	80 oct.
	Kenyon	0.8 S,RR E	1240	20 S1	80 oct.Poleline N, NE.
	Lake City (Frontenac)	0.5 SE,RR N	775	44 R1 L3 S6	80 oct.
	Le Sueur	1.1 S,riv W	900	20 S1	80 oct.Poleline SSW. Rolling.
	Litchfield	1.2 NE,RR S	1140	24 S1	Ltd 80 oct. Trees W.
	Littlefork	1.8 WNW,riv E	1153	19 S1	80 oct. Poleline S.
	Mankato	1.7 SE,hwy W	996	33 L1 S6	80 oct.Pwrline E, NE.
(P)	Monticello	1.3 NNE,road S	940	50 S6	80 oct.
	New Ulm	1.8 W; RR N	1000	32 S1	80 oct. Poleline N. Hwy N.
	Northport (White Bear Lake)	3.2 E, hwy N	1000	23 S6	80 oct.
	Osseo	2 NE	875	30	Data not verified.
(P)	Otis Lodge (Grand Rapids)	7.5 SW,lake S	1293	30 S1	80 oct. Poleline E.
	Pleasant Corner (Dodge Center)	2 ESE,RR N,W	1050	16 S1	80 oct.Poles S,SE; trees SW
	Princeton	1 W, RR E		20 S1	80 oct. Data not verified.
	Robbinsdale	0.8 NW,RR E	879	17 S6	80 oct.
	St. Paul	1.5 SE,riv E	704	55h L4	
	St. Peter	2.4 NNW,riv E	900	23	Poleline S.
	Sells Flying Field (Mayer)	0.4 SSE	750	12	(NC)
	Taylor Falls	1.5 W,RR S	950	23 S4	80 oct. No sto.
	University of Minnesota (New Brighton)	3.8 N, hwy W	909	34 S6	80 oct. Trees E.
	Victory (Minneapolis)	9 N, riv E	860	33 S6	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S **servicing.** (See page R111) NC (not charted). → **NEW OR REVISED DATA.**

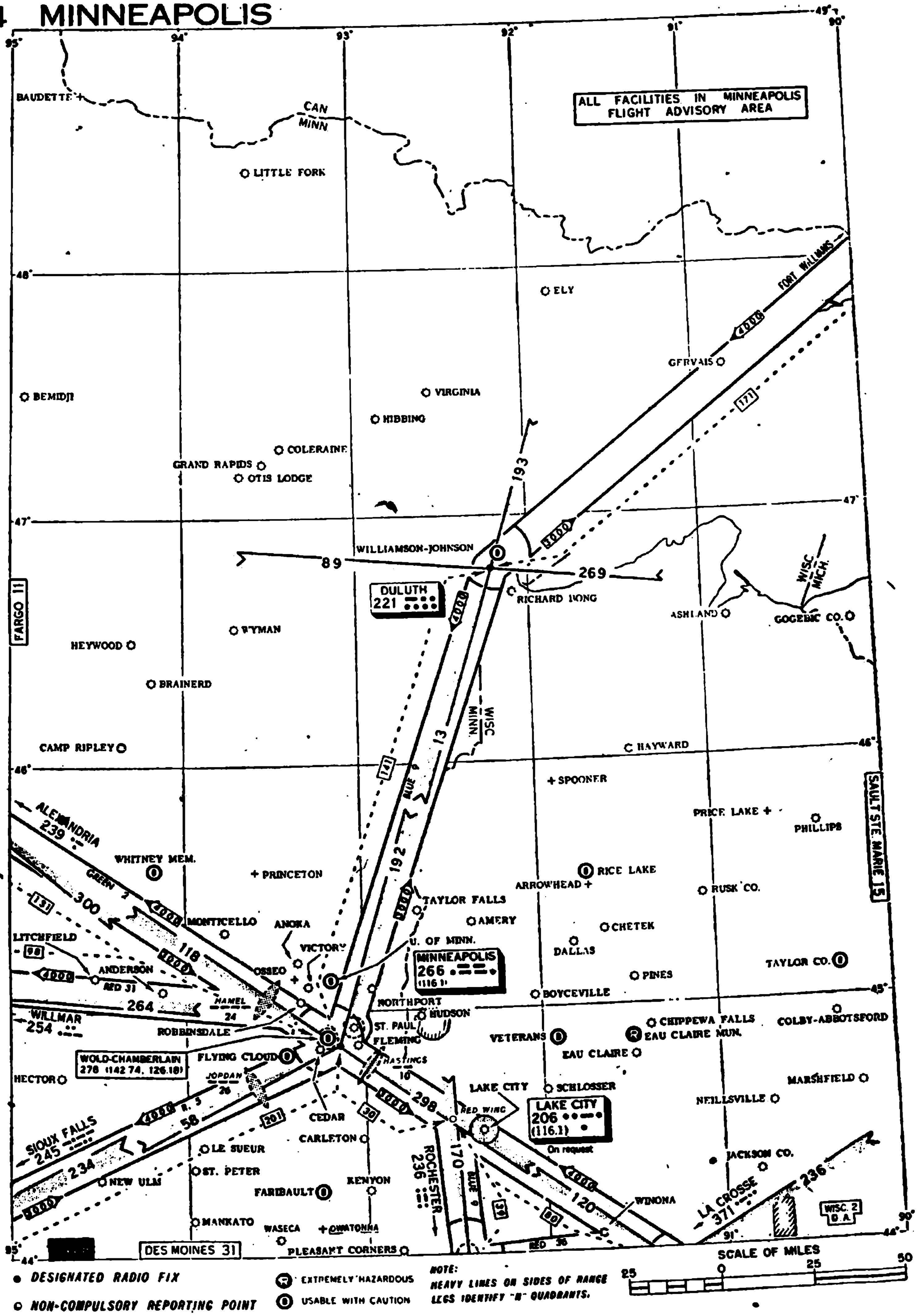
MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Virginia	2 WSW,bet RRs	1429	35 S2	73 oct. Poles N.
Waseca	0.5 S,RR NW	1150	39 S1	80 oct. Poleline N,W, E.
(P) Whitney Memorial (St. Cloud)	1.5 NNW,riv NW	1034	32 L3 S6	80 oct.
(P) WILLIAMSON-JOHNSON (Duluth)	6.5 NNW,hwy S	1428	57h R1 L1 S6	80,91 oct. ARPT OF ENTRY.
Winona	4.5 WNW	670	19 L3 S1	80 oct. Bet. RRs.
(A,N) WOLD CHAMBERLAIN (Minneapolis)	6.5 SSE,hwy S	834	59h R2 L4 S6	87-100 oct. JP-1. Rdo rec required.
Wyman (Aitkin)	1.3 N,riv S	1200	8	Poles W.

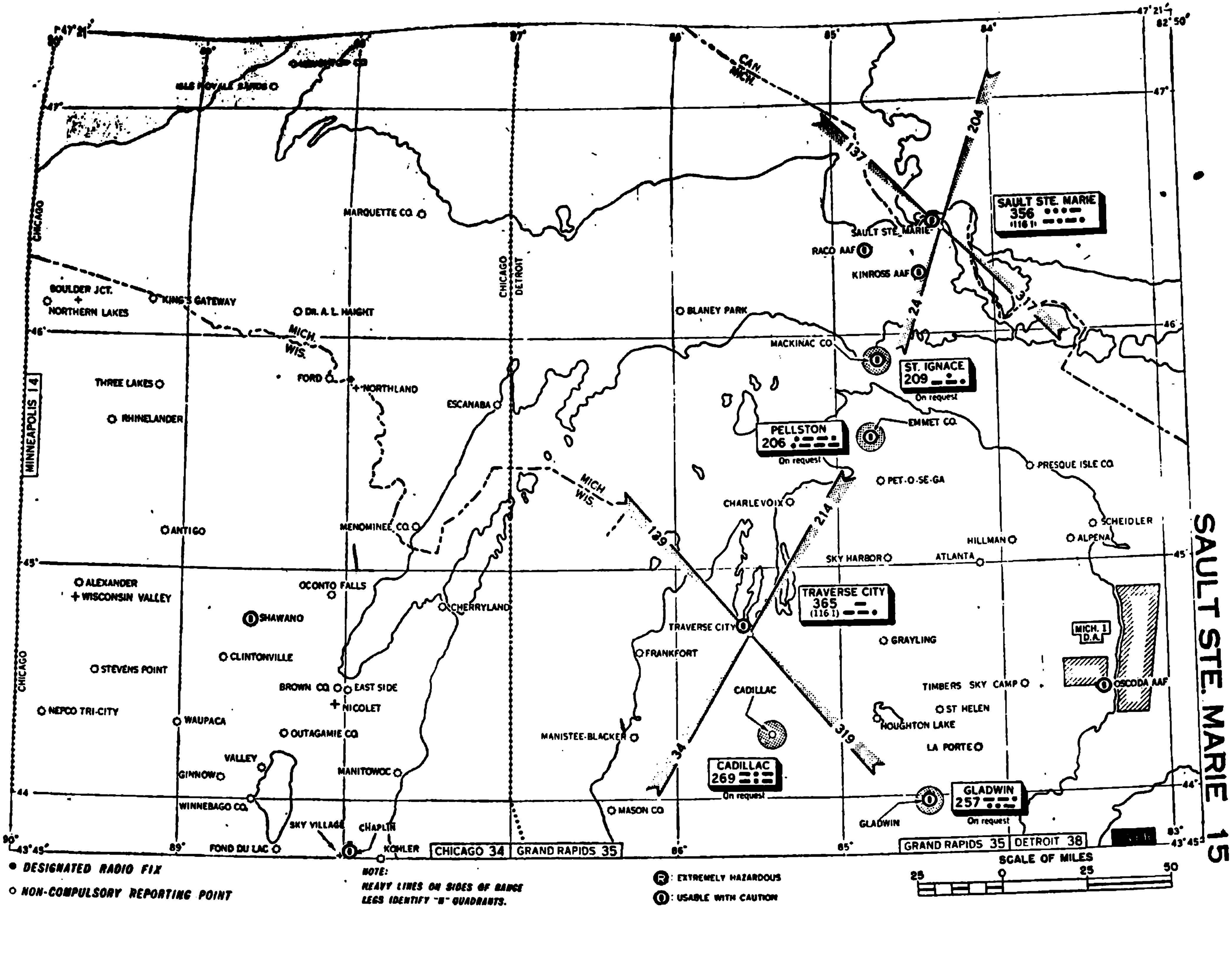
WISCONSIN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Amery	3.4 NNW,hwy N	1100	26 S1	80 oct.Poleline SE.
Arrowhead (Rice Lake)	1.3 SE,lake SE	1147	24 S4	80 oct.Trees SE.Data unverified.
Ashland	2.5 SSE,RR E	700	22 S3	80 oct. Hi-lines NE, SW.
Boyceville	0.5 SSW,hwy N	948	24 S2	80 oct.Obsts sur fld.
Boyd's Mason Lake (Fifield) (NC)	13 WSW,lake NW	1200	26	
Chetek	1.5 SE,RR S	1050	22 S1	80 oct.Trees N,SE,NW; pole S.
Chippewa Falls	2 S,RR NW	910	26 S2	80 oct.Pole line W, NW.
Colby-Abbotsford (Colby)	1.2 NNW,RR E	1400	19 S1	80 oct.
Dallas	0.7 SSE,RR W	1100	22 S1	80 oct.Pole line S.
Eau Claire	1.5 SSE,riv NW	884	40 S6	80 oct. Obsts sur fld.
(P) Eau Claire Municipal	3.5 NNE,riv NW	885	28	
Hayward	2 NE,RR NW	1200	30 S1	80 oct.
Hudson Flying Service	3.8 E,hwy N,W	850	15	Pwrline N, W.
Jackson Co. (Black River Falls)	2 E, RR W	855	25 S1	80 oct.
Marshfield	2.3 SSW,hwy W	1253	20 S2	80 oct.
Neillsville	5.7 W,hwy SW	1000	21 S1	80 oct. Trees around fld.
Phillips	1.2 N,riv S	1140	30 S2	80,91 oct.Pole line W, S.
Pines (Bloomer)	0.9 E,RR W	1050	16 S1	80 oct. Poles S, W.
Price Lake (Phillips)	12.5 WNW	1140	22 S1	80 oct. Data not verified.
Rice Lake	3.5 NNE,RR W	1150	26 S1	80 oct. Poles sur fld.
Richard Bong (Superior)	2.3 SW,RR E	674	33 S4	80 oct.Pole line SE, 353' twr NW.
Rusk County (Ladysmith)	2.8 SE,RR SW	1150	11 S1	80 oct.
Schlosser (Durand)	2.4 NNW,riv W	800	32 S1	80 oct.
Spooner	5 N	1072	20 S1	80 oct.Data not verified.
Taylor County (Medford)	2 SE	400	19 S2	80 oct.Pole line N; bldg W, NE.
Veterans (Menomonie)	0.4 W,riv W	900	28	
→ Owatonna (Minn.)	2.7 NW	1138	25 S4	80 oct.Data unver.

14 MINNEAPOLIS



SAULT STE. MARIE 15



RADIO — MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CADILLAC	269 (XK)	MRT	(4)
GLADWIN	257 (GU)	MRT	(4)
PELLSTON (Emmet Co.)	206 (PJ)	MRT	(4) (6-22)
ST. IGNACE (Mackinac Co.)	209 (EG)	MRT	(4)
SAULT STE. MARIE	356(VC)(116.1)	SBMRAZ-VLT;317°,2.2	(4);116.1
TRAVERSE CITY	365(TG)(116.1)	SBMRAZ-VLT;31°,2.3	(4);116.1

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — MICHIGAN

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alger County (Munising)	4 SSE; hwy E	850	24	Twr N; woods all sides.(NC)
Alpena	6.5 WNW; RR S	685	50h	
Amasa (NC)	4 NW	1560	14	Not maintained.
Atlanta	0.8 ESE	875	20	Trees N, NW, W.
Baldwin (NC)	1.3 SSE; RR W	835	25	
Beaver Island(St.James)	4.2 SSW	620	35	(NC)
(P) Bellaire (NC)	1 NE; RR W,S	614	30	Poles SE; trees surround fld.
Big Lake (NC)	7.3 SW Berrien	1100	20	Trees on all sides.
Blaney Park	0.5 NW; lake N	850	18 S1	80,100 oct.
(P) Cadillac, 23, TL-VC	2.5 NW; RR E	1297	34 R1 L3 S4	80 oct.
Charlevoix	0.8 SW;lake NW	642	30 S1	80 oct. Poles W, NW, E.
Doherty (Clare)(NC)	1 NE	840	21	Poles S;NE corr. rough.
D.A.R. (Rexton) (NC)	1.9 WSW; RR N	900	22	Poles N.
(P) Dr. A. L. Haight (Crystal Falls)	1.3 ENE;lake E	1390	34 S4	80 oct. Trees, bldgs W.
East-Jordan (NC)	1.9 SSE; riv W	640	26	Trees E, W.
(P) Emmet County (Pellston)	0.6 NW; RR E	707	54h R1 L3 S1	80,91 oct. Ben on req.
Escanaba	2 SSW; hwy E	594	26 S4	73,80 oct.Trees E.
Ford (Iron Mountain)	2.5 W;riv W	1140	23 S6	80,91,100 oct.
Frankfort	1.9 ESE;lake W	650	29 S1	73,80 oct. Sur by hills.
(P) Gladwin	0.5 SSE; riv W	780	35 R1 L3 S1	80 oct.Poles NW.
Grayling	1.3 NW; RR W	1152	50h	
Harrison (NC)	2.3 NNW; hwy E	1100	22	Surrounded by trees.
Hillman	2.8 NW	995	20 S1	Ltd 73 oct. Woods all sides.
Houghton County(Calumet)	2 SE; RR W	1200	26 S4	80 oct. Twrs, poles W.
Houghton Lake (Houghton Heights)	1.2 WNW;lk NNE	1150	27 S2	73,80 oct. Radio twr W,N, lgtd.
Isle Royale Sands(Houghton)	2 ESE; lake SW	605	22 S4	80 oct.
Ishpeming-Dexter (NC)	7 W; RR W, S	1570	25	Poles N.
Kalkaska (NC)	0.5 WNW; RR E	1020	26	
(A) Kinross (A)	2.5 SE	780	55h	INACTIVE.
La Porte (West Branch)	6 SE; RR W	890	26	Pole line NW; trees NE, SW.
Luce County (Newberry)	4.1 SE; hwy S	872	20h	(NC) Poles S; trees W.
Mackinac Co.(St. Ignace)	2 NNW; hwy E	600	26 R1 S2	80,91 oct.
Mackinaw City (NC)	5 S; RR W	700	22	
Manistee-Blacker	4 ENE; riv S	613	23 S2	73 oct.
Marenisco (NC)	1.6 E; hwy N	1551	20	Trees surround fld.
Marquette County	7.9 W; hwy S	1412	27 S2	80 oct. Poles W.
Mason County (Ludington)	1.7 ENE	640	30	Poles S.
Menominee County	5 NNE; bay E	590	27 S1	80 oct. Trees surround fld.
Mio (NC)	1.6 N; hwy W	1050	26	
Northland (Norway)	2 W	1060	33 S3	80,100 oct. Pole line N.
Norway Township(Loretto)	2.4 S; lake N	860	21	Trees on side strips. (NC)
(A) Oscoda AAP (A)	3.5 NW; lake E	605	50h	INACTIVE.
Otsego County (Gaylord)	1 SW; RR E	1384	30	Pole line NE (NC)
Pat-O-Se-Ga (Wildwood)	1 E NW;lake NW	620	20 S2	80 oct
Pesaukee's (Harbor Beach)	2.5 W; rd S	670	18	(NC)
Au Gres (NC)	0.9 NNW;hwy S	590	20	Poles NE,SW.
Calvin Campbell Mem. (NC)	0.8 SE;RR,hwy W	602	20	Pole line N,trees E,W,S;Indian Riv

MICHIGAN

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Presque Isle (Rogers City)	0.7 SSE; hwy E	658	26 S2	No fuel
Prickett (Sidnaw)(NC)	0.5 N; RR SE	1300	18	Use caution.
(A) Raco AAP (A)	4 WSW; RR N	910	55h	INACTIVE.
Roscommon (NC)	2.5 SE;RR NE	1100	42	Pole line S.
St. Helens	0.9 SE; RR NE	1153	26	
(P) Sault Ste. Marie	1 SSW; hwy E	706	36 R1 L3 S4	80,91 oct. All lgts prior req. (ARPT OF ENTRY)
Scheidler (Alpena)	6.3 N; hwy NW	590	22 S1	80 oct.Pole lines N,Sh.
(P) Schoolcraft County (Manistique)(NC)	3.3 ENE;lake S	678	31	Approaches 5:1
Steuben (Manistique)(NC)	20 NW	850	18	Woods all sides.
Timbers Sky Camp (South Branch)	0.2 NE; riv E	559	24 S1	80 oct.
(P) Traverse City	2.1 SE; RR NE	624	52h R1 L5 S6	80,100 oct.No sto.
Watermeet (NC)	1.5 NNE;RR SSE	1581	24	Poles SE.
Sky Harbor (Gaylord)	1 WNW;RR N	1355	26 S1	73,80 oct.Pole line S.
Onaway (NC)	0.6 NNE;RR S	770	24	Trees SW,NW,SE.
Petoskey-Harbor Spr(Petoskey)	4.5 NE;hwy E,N	620	20	Pole line,ridges E,N. (NC)
Roscommon Co.(Prudenville)	4.5 N;riv N	1150	24	Trees sur fld (NC)

WISCONSIN

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander (Wausau)	2.5 S; riv SW	1191	27 L4 S4	73,80 oct. Lgts prior req.
(P) Antigo	2 ENE; hwy N	1483	33 S2	80,91 oct.
Arbor-Vitae (NC)	2.9 W; RR S	1600	22	Pole line E, N.
Brown County(Green Bay)	2.2 WSW; hwy SE	590	28 S6	80,91 oct. Pole line NE,SE,S.
(P) Cherryland (Sturgeon Bay)	2 WNW; bay E	590	40 S2	80 oct. Pole line W, S.
Clintonville	1 ESE; RR SW	828	34 S6	80,91 oct.No sto.Pole line SW.
Eagle River (NC)	1.3 NW; riv NW	1675	32	
Fond du Lac	2.6 ENE;lk NNW	769	26 S2	80 oct. 50' hi-line N.
Ginnow (Omro)	3 N; RR E	800	19 S2	80 oct. Trees SW.
King's Gateway (Land O'Lakes)	0.5 SSE; RR W	1736	31 S2	80 oct. Twr NE; pole line NW.
(P) Kohler	1 N; hwy S	647	30 L1 S6	80 oct. Obst. sur fld.
Manitowoc	1.6 NNW; RR W	653	26 L3 S4	80 oct. No ben. Obsts sur fld.
(P) Nepco Tri City(Wisconsin Rapids)	2.5 SSW; riv W	950	36 L2 S2	80 oct, Lgts on req.
Northern Lakes(Manitowish)	6.8 E; hwy N	1600	35 S1	80 oct. Trees E, W.
Oconto Falls	2.7 ENE; RR S	600	20 S1	80 oct, Pole line N.
Outagamie Co. (Appleton)	2.2 ENE; RR S	750	29 S2	80 oct. Obsts sur fld.
Rhinelander	2 W; riv SE	1598	37 S2	80 oct. 10' bank NE.
Shawano	2.3 ENE;lake NE	813	40 S2	0.91 oct.Poles SW.Rnwy data unver.
(P) Stevens Point	3 NE; riv SE	1090	40h S6	73,80 oct.
Three Lakes	0.5 S	1664	23	Bldgs, trees around fld.
Valley Airways (Neenah)	4 SSW; RR E	750	21 S2	80 oct Pole line E. Data unverified.
Waupaca	4 ESE;riv N, E	853	25 S1	80 oct. Trees around fld.
(P) Winnebago Co.(Oshkosh)	2 SSW; RR NE	776	50h L1 S4	80 oct.No sto.Poleline NE,N,W.Rnwys
Boulder Junction	1.5 NW		33 S1	80,91 oct. Data unverified. unver.
East Side (Green Bay)	1.8 SE;RR S	600	19 S1	80 oct,Pwr line N,NE,NW.
Merrill(NC)	1.2 NNW	1285	22	Pole line NE.
Tomahawk (NC)	0.5 WNW	1450	15	
Washington Island (NC)	0.6 NNE of Detroit Harbor	600	24	
Nicolet (De Pere)	1.5 S;RR E	620	22 S4	80 oct,Pole line E,W.Data unverified.
Sky Village (Plymouth)	1.8 WNW	900	18 S1	80 oct.Unverified.
→ Chaplin Arpk(Plymouth)	0.5 N;RR W		22 S2	80 oct, Data unver.
→ Wisconsin Valley Inc. (Wausau)	7 S		34 S2	80 oct, Data unverified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page IIII)(NC)-Not charted. → NEW OR REVISED DATA

RADIO — MAINE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA	221(AW)(116.1)	BMRLZ-VDT;81°,2	(4);116.1
BANGOR (Dow)	239(BB)(116.1)	SBRAZ-VDT;172°,2.1	(3);116.1
DOW (Bangor)	278(126.18)	AC (ILS)	(4);118.7,131.9,126.18
EAST CORINTH FM	(- - - -)	FM,352°,13.5	Bangor
HOULTON	272(HJ)(116.1)	BMRLZ-VDT;195°,3.1	(4);116.1
LIMESTONE FM	(-)	FM, 57°,22.3	Presque Isle
MILLINOCKET	344(MT)(116.1)	SBRAZ-VDT;292°,1.6	(4);116.1
PRESQUE ISLE	388(2Q)	SBRAZ-DT	(4)
Presque Isle AAF	278 (126.18)	AC(ILS);189°,3.4	(4);388.365,116.1, 140.1,131.9,126.18
Presque Isle AAF	365 (RU)	SBMLZ; 9°,3.8	(4)

VERMONT

BURLINGTON	323(JG)(116.1)	SBRAZ-VDT	(3);116.1
GRANDE ISLE FM	(- - - -)	FM, 349°,15	Burlington
HUNTINGTON FM	(- -)	FM, 151°,17	Burlington
MONTPELIER (Barre-Montpelier)	257(UV)(116.1)	BMRLZ-VDT;230°,2.8	(4);116.1
VERGENNES FM	(- - - -)	FM,210°, 25.4	Burlington
Burlington Airport	278	C,151°,2.8	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in mcs.)

LOCATION	LOCALIZER	G.P.	APPR.BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)				
DOW, ME.	109.9-		150° Mag.	OM	(.06)	MM	(.89)	OM (4.80
						MKR		OLK
PRESQUE ISLE AAF, ME.	109.9		15° Mag.	OM	(.05)	MM	(1.00)	OM (5.00
						MMK 201	(1.00)	OMK 219 (5.00

S-Simultaneous Range and Voice. W-Without Voice. Z-VHF Station Location Marker at Range Station. (3)-3105.4495 6210 kcs., (4)-3105,4495,6210,3117.5 kcs Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — MAINE

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
AUGUSTA	1.5 WNW; hwy S	354	34h R1 L5 S6	80,91 oct.Fld lgts prior req.
Andover (RC)	2.5 S; hwy E	675	14	1125' mill, pole E.
Bar Harbor	9 NW; hwy W	87	45h S6	80 oct.
Bethel	1.6 NW; RR E	660	20 S1	80 oct.
Belfast	1 SW; hwy E	160	40h S4	80 oct. No sto.
Bishop (LaGrange)	0.8 N; RR W	360	20	NSW,ENE blocked.
Caribou	1 NW; hwy E	623	35h S6	80 oct.No sto.Bldg E.ARPT OP ENTRY
Dobleis Flight Strip	2 SE; riv W,N	219	40h	
(P) Dexter	3 ESE; rd W,S	485	30h S2	80 oct.
Deanna (Brewer)	1.6 S; RR W	100	15 S5	80 oct. Poles NNE; trees SE.
(A) DOW (Bangor)(A)	2 W; RR S	160	70h R3 L6	INACTIVE.
Eastport	1.5 WNW;hwy NE	70	28h S1	80 oct. Pole line NW.
Fryeburg Airpark	1.3 E; RR S	400	20 S2	80 oct. Pole line S.
Greenlaw (Auburn)	1.8 W; hwy S	238	14 S6	80 oct. Bldg S.
Greenville	2 ENE	1750	30h L3 S1	80 oct.
Guertin (Lewiston)	1 NE	220	12 S2	87 oct. Trees,poles SSW.
HOULTON	2.5 E	474	57h R1	
LEWISTOWN-AUBURN(Auburn)	4.5 SW; RR W	290	45h L5 S4	80,91 oct.
Mahoux (Minot)	3.5 WNW;hwy NE	720	21 S6	80 oct. Trees SSA.
Millinocket	0.5 SE; hwy W	404	50h R1 L5 S1	91 oct. Fld lgts prior req.
Newport	1.5 ESE; hwy N	280	21 S1	Ltd 80 oct. Pole line N.
Norridgewock	3.7 W;riv NE,W	270	40h	Trees ENA.
Norway	1 N; RR S	387	18 S1	80 oct. Pole line SE.
Old Town	1.8 WNW;riv N	109	40h L3 S5	80 oct.
Pittsfield	0.7 SSE;hwy E	190	40h S6	80 oct. Sand pile, bldg E.
Pittston	1.8 ENE; RR W	140	18	NW,SW,S blocked.
(A) PRESQUE ISLE AAF (A)	1.5 WNW; RR E	527	68h R3 L6 S6	91,100 oct. No sto.ARPT OP ENTRY
Princeton	1.5 SSE; hwyNE	250	40h	
Rangeley	1.6 NNW;hwy S	1810	15	
Raymond's (Phillips)	0.8 SE; riv E	556	22 S1	80 oct. Rnwy info unver.

MAINE

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Rockland	3 SSE; rd NE	49	45h L5 S6	80,91 oct.No sto.
Rollins (Turner)	2.5 NNW; rd E	335	20 S6	80 oct.
Roy L.Fernald(Winterport)	3 WNW; hwy S	182	40h L3 S1	80 oct. Lgts prior req.
Tomlinson (Skowhegan)	1 NNE; riv S	240	21 S6	80 oct. Poles S, NW.
Waterville	1.8 SW; riv E	303	40h L5 S6	80,91 oct.Fld lgts prior req.
Weston (Madison)(NC)	1 N; riv W	300	19	Poles WSW.

NEW HAMPSHIRE

Berlin	7.5 N; riv W	1140	52h S3	80,91 oct.No sto.
Dean Memorial(Haverhill)	4.1 NE; RR W	570	15 S1	80 oct. Trees N, NW.
Lancaster Airpark	0.3 N; riv W		20 S1	80 oct. Data not verified.
Lewis (Littleton)	2.5 E; RR S	900	18 S6	80 oct. No sto.
Twin Mountain	0.8 SW; RR N	1430	18 S1	80 oct.
White Mtn. (North Conway)	1.9 SSE	540	23 SW	80 oct. Trees W, NW.
Whitefield	5 ESE; RR N	1030	24 S1	73 oct.

NEW YORK

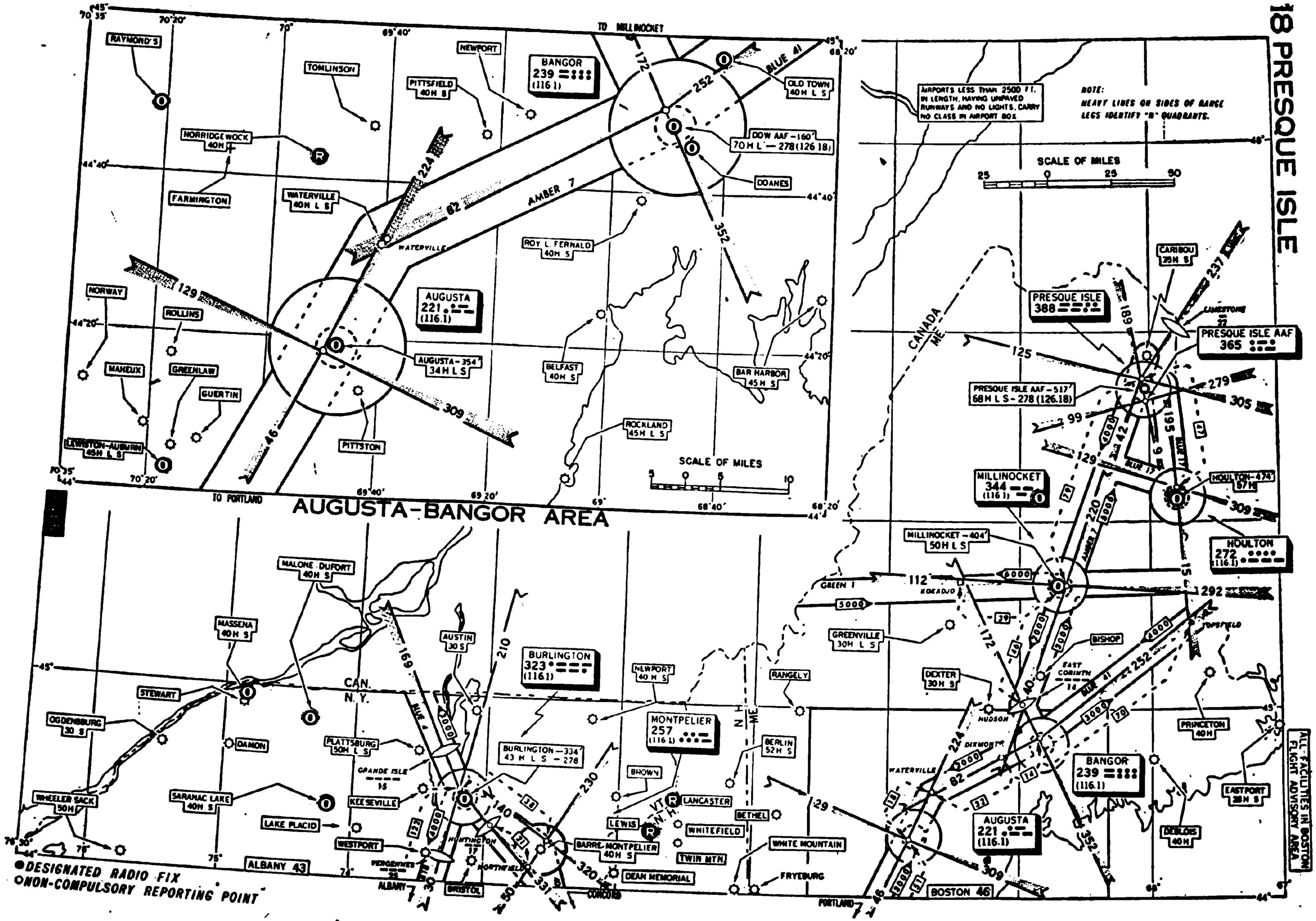
Bradley (Watertown, (NC)	2.2 N; RR E,W	435	18	Rough. Pole line W, SW.
Damon (Potsdam)	1.5 E;riv,RR W	460	19 S1	80 oct. Pole line N.
Keeseville	1.4 S; riv W	490	20	Pole W.
Lake Placid	2 SE; RR NW	1750	21 S1	80 oct.
(P) Malone-Dufort	2 W; RR N	790	40h S1	80 oct. ARPT OP ENTRY.
Marcy (Keene)(NC)	2.5 S; hwy E	1000	18	Mtn N, S.
(P) Massena	2.2 E; riv SE	200	40h L1 S6	80 oct,Bcn on req,Trees WSW.ARPT
Ogdensburg	1.5 SE; RR W	285	30 S6	80 oct.ARPT OP ENTRY OP ENTRY
(P) Plattsburg, mur	3.4 WSW,riv W	375	50h L5 S1	80,91 oct.
(P) Saranac Lake	5.2 NW, RR NW	1655	40 L1 S1	80 oct. Bcn on prior req
Stewart (Massena)	2.1 SE; RR NE	210	20	
Tupper Lake (NC)	1 E, RR NW	1680	8	Use stripe only.
Westport	2 S; RR W	685	22 S2	80 oct.
Wheeler-Sack(Great Bend)	1 NNW; riv S	680	50h	

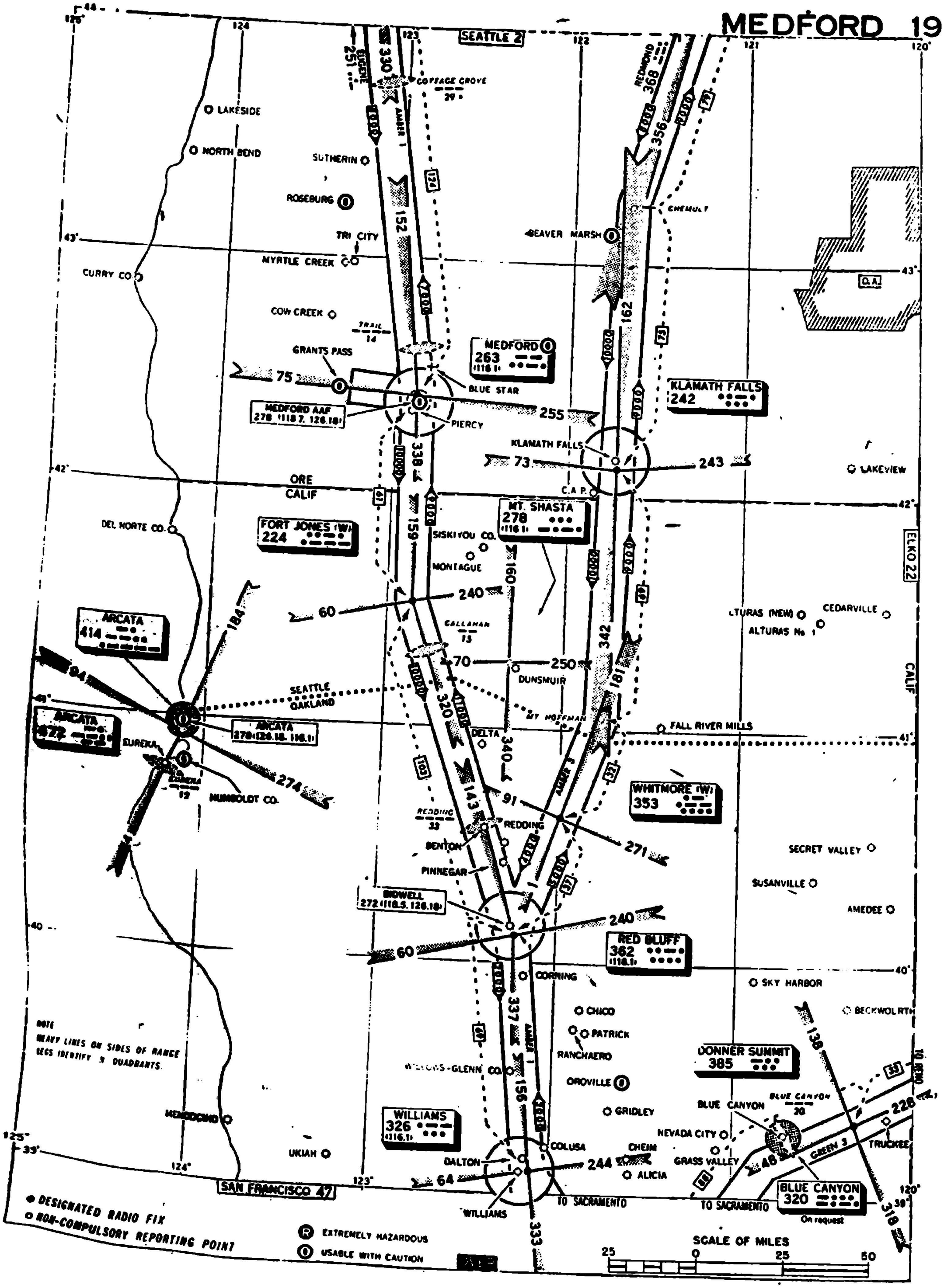
VERMONT

Austin (Swantor)	1.7 NE; RR W	235	30 L S6	80 oct,No sto.Port rnwy lgts.ARPT
BARRE-MONTPELIER(Berlin)	0.8 SE	1149	40h R1 L5 S2	80,91 oct. OP ENTRY.
Bristol	0.7 W; riv SE	570	22 L S6	80 oct.Port rnwy lgts.1680'mtn SE.
Brown (St. Johnsbury)	5.2 N; RR E	807	23 S2	80 oct. Hills N, SW.
BUPLINGTON	3 E; lake N	334	43h R2 L5 S6	80,91 oct. ARPT OP ENTRY.
Newport	3 SSW; RR E	930	40h L2 S1	Ltd 80 oct. All lgts prior req.

L-Hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA.

AUGUSTA-BANGOR AREA




MEDFORD 19
SEATTLE 2
EUGENE
COTTAGE GROVE
LAKESIDE
NORTH BEND
SUTHERIN
ROSEBURG
TRI CITY
MYRTLE CREEK
CURRY CO.
COW CREEK
GRANTS PASS
MEDFORD
263
BLUE STAR
MEDFORD AAF
PIERCY
REDMOND
CHEMULT
BEAVER MARSH
KLAMATH FALLS
242
KLAMATH FALLS
LAKEVIEW
ORE
CALIF
C.A.P.
MT. SHASTA
278
DEL NORTE CO.
FORT JONES (W)
224
SISKIYOU CO.
MONTAGUE
ARCATA
414
ARCATA
672
EUREKA
ARCATA
HUMBOLDT CO.
SEATTLE
OAKLAND
CALLAHAN
DUNSMUIR
MT HOFFMAN
DELTA
FALL RIVER MILLS
ALTURAS (NEW)
ALTURAS No 1
CEDARVILLE
CALIF
WHITMORE (W)
353
REDDING
BENTON
PINNEGAR
BIGWELL
SECRET VALLEY
SUSANVILLE
AMEDEE
RED BLUFF
362
CORNING
SKY HARBOR
BECKWOLRTH
CHICO
PATRICK
RANCHAERO
OROVILLE
GRIDLEY
WILLIAMS-GLENN CO.
WILLIAMS
326
DONNER SUMMIT
385
BLUE CANYON
BLUE CANYON
30
NEVADA CITY
GRASS VALLEY
CHEIM
ALICIA
COLUSA
DALTON
WILLIAMS
TO SACRAMENTO
TO SACRAMENTO
BLUE CANYON
320
On request
TRUCKEE
GREEN 3
TO RENO
MENDOCINO
UKIAH
SAN FRANCISCO 47
NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 3 QUADRANTS.
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

RADIO

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCATA (UAL)	472 (NZM)	MRL	(3)
→Arcata Airport	278 (116.1,126.18)	CI (ILS); 4°, 3	(3) 116.1,126.18 (8-17)
→Arcata (H fac) (UAL)	414 (NZ1)	H; 310°, .15	(4) Z marker 300' from SE end Rnwy 31.
BIDWELL (Red Bluff)	273 (118.5,126.18)	C	(4);126.18,131.9 (6-22)
BLUE CANYON	320 (BC)	MHT	(4)
BLUE CANYON FM	(- - -)	FM, 228°, 19.5	Donner Summit
CALLAHAN FM	(- -)	FM, 140°, 15.1	Ft. Jones
DONNER SUMMIT	385 (DS)	BMRL-DT	(4)
EUREKA FM	(- - -)	FM, 184°, 11.7	Arcata
FORT JONES	224 (FJ)	SRAWZ	
MT. SHASTA	278(SC)(116.1)	BMLZ-VDT, 116°,2.2	(4); 116.1
RED BLUFF (Bidwell)	362(FH)(116.1)	SBRAZ-VDT,323°,2.5	(3); 116.1
REDDING FM	(- - - -)	FM, 323°, 33.2	Red Bluff
WHITMORE	353 (AWH)	MRLWZ	
WILLIAMS (Int.)	326(WS)(116.1)	SBMRAZ-VDT,244°, 2.2	(4); 116.1

OREGON

COTTAGE GROVE FM	(- - -)	FM, 150°, 29	Eugene
KLAMATH FALLS	242 (FS)	SBRAZ-DT,342°,2.7	(4)
MEDFORD	263(MF)(116.1)	SBRAZ-VDT	(3); 116.1
Medford AAF	278 (126.18,118.7)	AC; 158°, 2.4	(4); 126.18,131.9,118.7
TRAIL FM	(- - - -)	FM, 332°, 14	Medford

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→Arcata, Calif.	109.5	332.6	312° Mag.	IM- (.14)	MM- ····· (.66)	OM- -- (4.5)
					MMK-	OMK- 404
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3) 3105, 4495, 6210 kcs.; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alicia (Marysville)	3.2 SSE,RR W,E	63	60h L5 S6	80,91 oct.; 100 oct. on req.
(P) Alturas (new)	6.8 WNW,riv S	5034	63h	
Alturas #1	1 W,RR S	4391	28 S6	80 oct.
Amedee Flight Strip (Amedee)	4 SE,RR N	4007	70h	
→Arcata	7.6 NNW	217	60h R3	
Ash Creek, USFS (McCloud)(NC)	11.2 ENE	3850	30	Closed Dec-May. Trees SE,NW.
Beckwourth	0.8 ENE,RR S	4900	26 S6	73 oct.
Benton Airpark (Redding)	1.1 WSW,riv E	719	25 L3 S4	80, 91 oct.
BIDWELL (Red Bluff)	1.7 SSW,RR E	354	40h R2 L5 S4	80,91,100 oct.
Blue Canyon Int,13,SF-SL	1.1 NNE,RR S	5280	34 R1 L3	Obsts N, E. RR E.
Cedarville	0.6 S,lake E	4260	26 S2	80 oct. Pwr line E.
Cheim (Marysville)	1.5 NE,hwy S	67	30 S6	80,91 oct. No sto. Levee N, NE.
Chester, USFS (NC)	1.5 SSW,RR N	4525	31	18' pole line W.
Chico	5 N,rd E	250	67h	
Colusa	1.2 SW,RR W	47	29 S4	80 oct. Pole line NNW.
Corning	1.3 NE,RR W	300	30 L1 S2	80 oct.
Dalton Com. (Williams)	1 ENE,RR SW	80	30 S2	80 oct. Pwr line S.
(P) Del Norte Co. (Crescent City)	2.5 NW	57	50h	
★ Delta Int, 22, SF-SA	1 SW,RR,hwy N	1320	18 L3	800-1000' mtns E, W.
Dunsmuir,25B, SF-SA	4.5 N,RR W	3240	30 R1 L3 S2	80,91 oct. Poles E,N, lgtd.
Eureka	2 W,bay E	20	24h	
Fall River Mills	1 N,riv E	3300	26	
Fort Jones (NC)	1.5 W,riv SW	2745	30	Pole line NW.
Gasquet (Crescent City) (NC)	13 ENE,hwy S	390	25	Hazardous-bad approach. USFS
Grass Valley	0.8 W,hwy N	2600	18 S1	Ltd 80 oct. Trees sur fld. P-line NE
Gravelly Valley, USFS (Upper Lake) (NC)	20 N, lake S	2000	49	Road crosses NE/SW strip.
Gridley	0.7 ENE,RR W	97	26 S6	80,91 oct. Pole line N,S.
Hayfork, USFS (NC)	1.2 E,rd N	2350	23	Pole line W, mts E.
Humboldt County (Eureka)	3.4 ENE,RR SW	10	19 S4	80 oct. Poles NW.
Mendocino (Little River)	2.5 SE	572	53h	
Montague	1 W,RR N	2520	32 L1 S4	80, 91 oct.
Nevada City	1.5 NW,rd S	3060	26 S4	80 oct.
Oroville	3 SW,riv E	199	60h L3 S1	80,91 oct. Port rnwy lgts prior req.
Patrick (Chico)	2 SSE,RR E	189	34 S6	80,91 oct. Poles N.
Pinnegar (Anderson)	1 S,canal E	435	23 S1	73 oct.
Ranchaero (Chico)	2.2 WSW,riv W	170	22 S4	80, 91 oct. Hwy NE.
Ravendale (NC)	0.2 N,RR W	5260	18	
Redding	7.5 SE,riv S	500	61h L3 S1	
Round Valley (Covelo)(NC)	0.8 SW,hwy E	1385	30	
★ Secret Valley Int,52,RV-ND	3.6 ESE Karlo	4435	50 L3	
(P) Siskiyou Co. (Montague)	4.3 NE,RR W	2647	73h L5	
Sky Harbor (Quincy)	2.5 E,RR N	3400	28 S2	73 oct. Poles S.
Susanville	6.5 SE,hwy SW	4150	32 S6	73 oct. Pwr line N.
★ Truckee Int,16B, SF-SL	3.6 ENE,RR S	5820	34 L3	Snow Dec.-April.
Ukiah	1 S,RR E	612	40h L5 S4	80 oct. No sto.
Weaverville, USFS (NC)	1 SSE,hwy E	2040	22	30' poles S.
★ Williams Int,9, SF-SA	4 S, RR E	120	42 R1 L3	
Willits	1.3 ENE,RR W	1356	20 S1	80 oct. Trees E. Pole line W.
Willows-Glenn Co.	1.3 WSW,RR E	130	45h L1	

OREGON

★ Beaver Marsh Int,73,RV-ND		4630	54 L3	6.2 SSW Chemult
→Blue Star Arpk. (Eagle Point)	4.5 N,hwy E		20 S2	Data unver.
Civil Air Patrol (Worden)	1 S,RR NW	4080	37 S6	80 oct. No sto. Pwr line NNE.
Grants Pass	1.6 N,RR W	1050	26 S5	80 oct. Poles, trees N.
★ Cow Creek Int,37B,SR-SA	2.5 ENE Glendale	1429	23 L3	Creek S.
(P) Curry Co. (Denmark)	3.8 WSW	214	51h L5	All lgts prior req.
Illinois Valley Landing Field (Cave Junction) (NC)	4.3 SSW,river 1 E	1350	43	Trees NNE. USFS
Klamath Falls	4.9 SSE,RR NE	4085	71h R1 L5 S1	80, 91, 100 oct.
Lakeside	0.25 NE,hwy W	20	30	Pole line S.
Lakeview	3.5 SW,RR E	4728	53h	
(A,N) MEDFORD AAF	3.2 N,RR E	1329	54h R2 L5 S4	80,91,100 oct. No maintenance mil acft. Pole line NE.
★ Myrtle Creek,Int,39A,SF-SA	4 SW,riv,RR W	640	25 L3	Hill N.
P) North Bend	1.2 WNW,bay NE	17	50h	
Piercy (Medford)	2.6 NW,RR E	1325	20 S4	80 oct. No sto. Poles SE.
★ Roseburg Int,41A,SF-SA	2.4 NNW,RR E	500	38 S6	80,91 oct. No sto.
Sutherlin Sky Ranch	3.8 ENE,rd E,S	575	18 S1	80 oct.
Tri-City (Riddle)	3.5 NE,RR N,W	700	19	Pole line N,S. Cattle on fld.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) *NC-(not charted).* → **New or revised data**

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Gowen)	350 (BE)	SBRAZ-DT,110°,2.5	(3)
EAGLE FM	(- - - -)	FM, 321°, 11.5	Boise
→ GOWEN (Boise)	278(126.18) (118.3)	AC	(4);131.9,126.18,118.3
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise

NEVADA

BATTLE MTN.	281(BP)(116.1)	BMRLZ-VDT, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-VDT, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SBRAZ-DT,219°,2.9	(4) Not manned cont.
HUMBOLDT (Int.)	209(HD)(116.1)	BMRLZ-VDT 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-VDT 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno
HUBBARD FLD (Reno)	278	CI	(4)(Wed.Sat.Sun 6-19. other days 8-1630)

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column indicate VHF on which Voice is Available.

AIRPORTS

IDAHO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW	4700	18	Pole line ENE.
Boise Airpark	1.8 WNW,RR S	2660	25 S6	73,80 oct.Trees SSE, NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE
Emmett	2.6 SW, RR NW	2300	28 S2	73 oct.
Floating Feather (Eagle)	2 E,hwy W	2635	38 S4	80 oct.Soft when wet.
Glenns Ferry	1.3 WSW,riv S	2556	34 S1	Ltd 80 oct.
(A) GOWEN (Boise)(A)	4.5 SSW	2857	77h R2	INACTIVE.
(A) Mountain Home AAF	10.7 WSW	3004	100h	INACTIVE. (A)
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
Parma	0.6 SSE,RR NE	2225	23 S2	80 oct.25' poles NW.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

NEVADA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Austin	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3	
★ Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	49 S6	80 oct.Mts N,hill W.
ELKO	1.8 W,RR S	5066	62h R1 L5 S4	73, 91 oct.
★ Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
Fallon	6 SE,hwy S	3931	70h R1	Closed,emerg use only.
HUBBARD (Reno)	3.4 SE,RR N	4395	57h R1 L5 S4	80,91 oct.Fld lgts prior req.
★ Humboldt Int,28B, SF-SL	14 S Rochester	4131	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	4000	24 S4	80 oct.Poles ENE,WSW
" Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	31 S2	80 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
Orovada (NC)	1.2 W,hwy E	4300	32	
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	INACTIVE.Mts sur fld
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	52 S4	73,80,91 oct.Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct.Poleline W.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

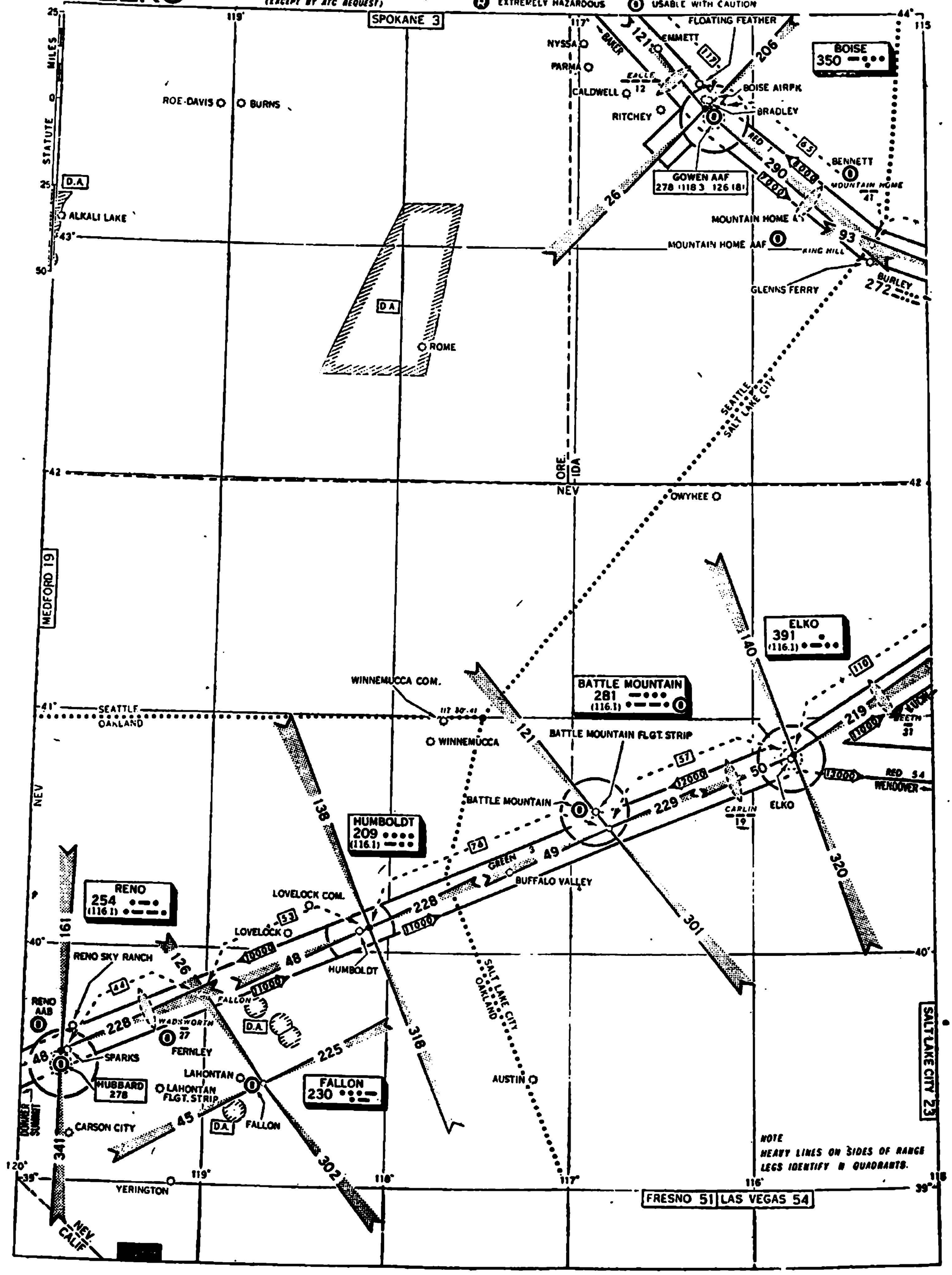
Alkali Lake Flgt Strip	7 5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	26.6 SW,hwy E	4050	60h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-Servicing. (see page III)(nc)-Not charted → NEW OR REVISED DATA

22 ELKO

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

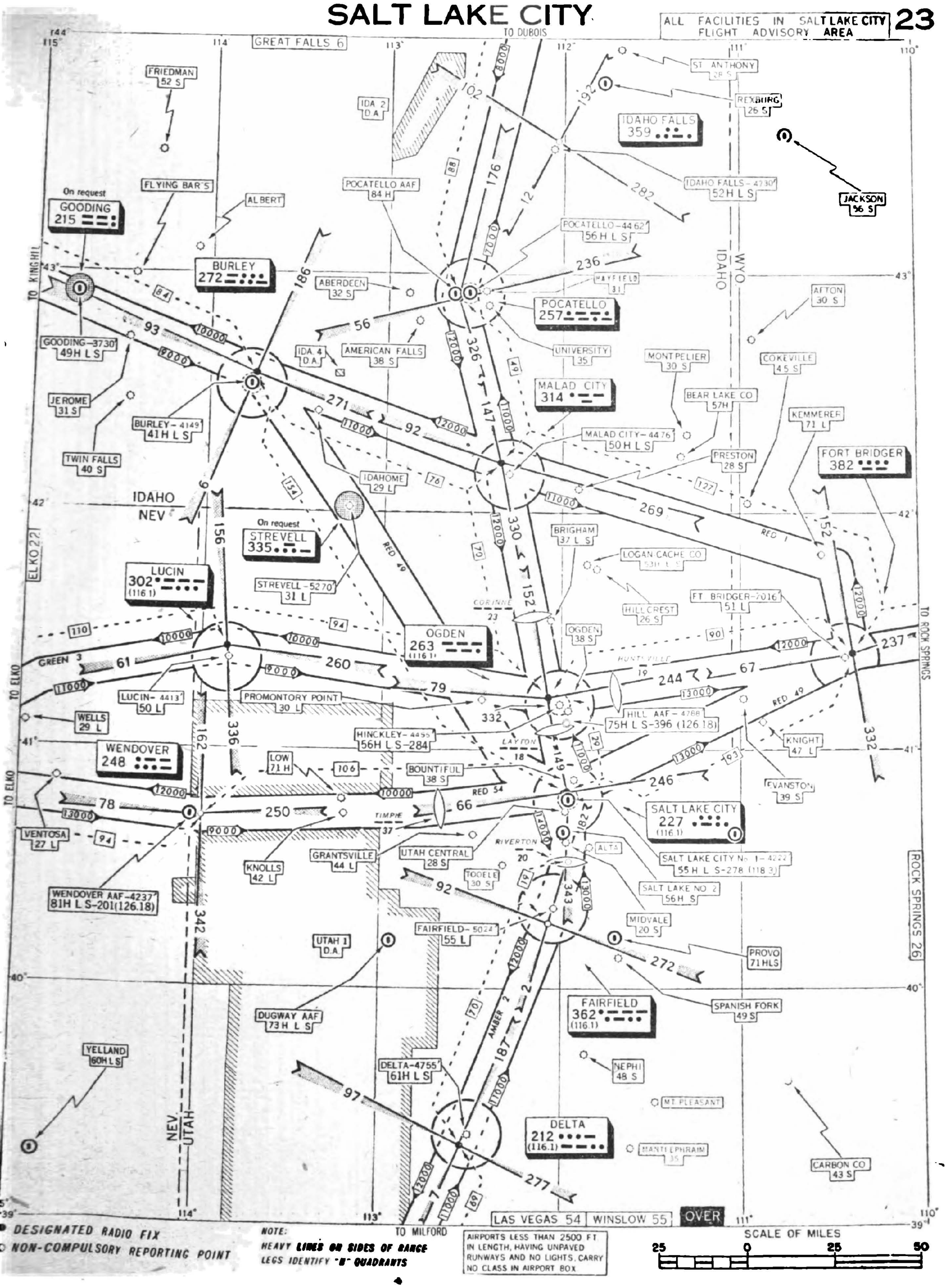
Ⓡ EXTREMELY HAZARDOUS Ⓤ USABLE WITH CAUTION



NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY Ⓤ QUADRANTS.

SALT LAKE CITY

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA



RADIO — IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS.
BURLEY	272 (BX)	SBRAPZ-DT,200°,2.7	(4)
GOODING (new)	215 (GG)	MHT	(4)
IDAHO FALLS (Mun.)	359 (IF)	SBMRAZ-DT,192°,2.6	(4)
MALAD CITY (Int.)	314 (WT)	SBRAZ-DT,131°,3.4	(4)
POCATELLO	257 (PQ)	BMRLZ-DT, 56°, 2.5	(4)
STREVELL (Int.)	335 (TV)	MHP	(4)

UTAH

CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212 (VZ)(116.1)	SBRAZ-VDT, 7°,3.6	(4); 116.1
FAIRFIELD (Int.)	362 (JL)(116.1)	BMRLZ-VDT, 2°, 4.4	(4); 116.1
HILL, OGDEN	396 (126.18)	CA	(4); 126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-VDP,156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-VDT,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
ROBERT H. HINCKLEY,(Ogden)	284	CI	(4):(8:30-2130 Mon.&Tues. (1130-2130)
SALT LAKE CITY	227 (SL)(116.1)	SBRAZ-VDTX	(3); 116.1
Salt Lake City Arpt.#1	278 (118.3)	C; 163°, 3	(4); 131.9.118.3.126.1M, others on req.
TIMPIE FM	(- - -)	FM, 246°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 2.2	(3):126.18 (8-22. other hrs. on 24 hrs advance notice)

WYOMING

PORT BRIDGER (Int.)	382 (HM)	SBRAZ-DT,228°,2.4	(4)

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — IDAHO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen	2.7 SW;rd W	4460	32 S6	73 oct. No sto.
Albert,(Richfield)	5.2 NE;RR W	4400	23 S2	Ltd 80 oct.
American Falls	2 NE;RR NW	4404	38 S1	73 oct. Poles S.
Arco (NC)	1.5 ESE;hwy W	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE;riv NE	5928	57h	
Buhl (NC)	5.7 W;crk W,E	3690	41	
Burley	1.3 ENE;RR SW	4149	41h R1 L5 S4	80,91 oct.Pole line WNW.
Flying Bar "S" (Shoshone)	4.6 NNW;riv S	3900	12 S1	73 oct.
Friedman (Hailey)	0.8 S;RR E	5300	52 S1	73 oct.
→ Gooding (new)	3.5 WSW;hwy N	3730	49h R1 L5 S4	81 oct.
Gooding (old)	4 SSW	3570	20	
Tyhee,(Hayfield)	2 SE;RR W	4600	31	
(P) IDAHO FALLS	2 NW;riv,RR E	4730	52h R1 L3 S6	80,91 oct.Polelines S,NE.
★ Idahome Int,13,SL-PO	0.8 NNE	4460	29 L3	
Jerome	3.3 ENE	3980	31 S1	73 oct.
MacKay (NC)	0.8 SE;RR NE	5900	30	Rough.
★ Malad City Int,9,SL-GT	2.6 WSW;riv WSW	4476	50h R1 L3 S1	73 oct.
POCATELLO	5.8 NW;RR S	4462	56h R1 L5 S6	80,91 oct.
(A) " AAP (A)	8.1 WNW	4445	84h	INACTIVE.
Preston	1.7 WNW;riv W	4800	28 S2	80 oct.
Rexburg	0.8 S;RR NW	4900	26 S4	80 oct.Rolling. No sto.
St.Anthony	1.1 SSE;RR W	4965	28 S4	73 oct.Poles,trees NNE.
★ Strevell Int,10, SL-PO	0.3 NNW;hwy W,S	5270	31 R1 L2	
Thousand Springs (Hagerman) (NC)	4.5 SSE;riv N	3000	30	
Montpelier	0.6 NNE; RR WSW	5900	30 S1	73 oct.Hills, trees S,SW,NE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii) (NC)-Not charted. → NEW OR REVISED DATA

IDAHO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Twin Falls	6.5 S;creek N	4200	40 S6	80,91 oct.No sto.
University (Ham's)(Pocatello)	1 ENE;hwy W	4600	35 S2	Hills N,S.No fuel.
Victor (Bennett Fld)(NC)	0.8 SE;hwy W	6198	25	UNUSABLE.

NEVADA

★ Ventosa Int,48,SP-SL	0.5 N;RR S	5600	27 L3	
★ Wells Int,46B,SP-SL	1.5 S;rd W	5665	29 L2	
Yelland (Ely)	3.5 NNE;hwy E	6258	60h L3 S6	80 oct.Fld lgts prior req.

UTAH

Bountiful Sky Haven	2.6 WSW;rd E	4222	38 S4	80 oct.Pole line N,NW,SE.
Brigham	3 NW;RR S	4220	37 L3 S6	80 oct.
Carbon County (Price)	2.8 E;RR W	5800	43 S6	80 oct.
Delta	4.8 ENE;hwy NW	4755	61h R1 L5 S2	80,91 oct.
(A) Dugway (Tooele)(A)	41.5 SW;hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE;riv W	5700	55	Pole line W,NW.
★ Fairfield Int,59,LA-SL	6 NE;RR SE	5024	55 R1 L3	
★ Grantsville Int,60,SP-SL	3 N;RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	63,73,91,100 oct.JP-1.
Hillcrest (Logan)	2.7 NE;RR W	4780	26 S6	80 oct.Mtn SSE.
(P) HINCKLEY (Ogden)	3.5 SW;RR NW	4455	56h R2 L5 S6	80,91 oct.
★ Knolls Int,56,SP-SL	5 ENE;RR S	4360	42 L3	
Logan-Cache Co.(Logan)	4 NNW;RR E	4460	53h L5 S6	80 oct.
Low Flight Strip	11.8 W;hwy S	4241	71h	
★ Lucin Int,52,Ogden Cut-off, SP-SL	3.5 E;RR S	4413	50 R1 L3	
Manti-Ephraim (Ephraim)	2.8 SW;RR SE	5500	35 S2	No fuel.
Midvale	3 WSW;RR NW	4500	20 S4	73 oct.No sto.
Mt. Pleasant	1.5 SSW;RR NW	5857	48 S2	80 oct.
Myton (NC)	1 E;riv N	5090	31	
Nephi	2.5 NW;RR E	4800	48 S1	Ltd 80 oct.
Ogden Airpark	4 S;hwy NE	4700	31 S4	73 oct.No sto.
★ Promontory Point Int,3, SL-PO	0.5 W;RR S,E	4280	30 L3	
(P) Provo	2.8 WSW;RR N	4490	71h L5 S6	73 oct.Fld lgts prior req.
SALT LAKE CITY #1	2.5 WNW;RR S	4222	55h R2 L6 S6	73,80,91 oct.Rdo rec req.
" No. 2	10.5 SSW;RR W	4617	56h S4	73 oct.
Spanish Fork	2 NW;RR SE	4560	49 S6	80 oct.
Tooele (NC)	1.4 WSW;RR W	4800	30 S4	80 oct.No sto.Mtns SE.
Utah Central (Salt Lake City)	4 SW;RR N	4240	28 S4	73 oct.Pole line N,NW.
(A) Wendover (A)	0.5 S;RR N	4237	81h R2 L5 S6	73,91,100 oct.JP-1.CLOSED.

WYOMING

Afton	0.3 SW;hwy E	6239	30 S5	73,80 oct. 40' trees N.
Cokeville	2.5 SSW;riv E	6250	45 S1	Ltd 73 oct.
Evanston	3.6 SSW	6800	39 S1	73 oct.200'hill SSE.
★ Fort Bridger Int,9,SL-OH	5 N	7016	51 R1 L3	Carter 3 mi NNW.
Jackson	9 N;riv W	6400	56 S1	73 oct.
★ Kemmerer Int,B17,BX-RT	1.5 NNW;RR S	7276	71 L3	
★ Knight Int,6,SL-OH	5 S;riv NNE	7615	47 L3	
Big Piney (NC)	2 N	6900	37	
Alta Arpk(Sandy,Utah	2.3 E;RR,hwy W	4800	30	

RADIO — COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	VAR-VDT	4495,3117.5,116.1,131.7
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1.116.1)	VAR-VDT (ILS)	3105,4495,3117.5:131.7, 116.1 only.
WYOMING			
CASPER (Wardwell Field)	269 (CW)	SBRAZ-DT,263°,2	(4)
DOUGLAS (Int.)	251 (DQ)	HT	(4)
LARAMIE (Gen'l. Brees Field)	245 (LR)	SBMRAZ-DT, 137°, 2.2	(4)
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (new)	290(RT)(116.1)	SBRAZ-VDT, 246°,2.8)	(4); 116.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-VDT, 80°, 1.7	(4): 116.1
PARKERTON,WYO.FM	(-)	FM: 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)							
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WALKER, COLO.	110.3 .-.-	335	110°Mag	IM	MM ····· (.69)	OM — — (4.52)	
					MMK	OMK	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — COLORADO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	Closed till June '47
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L2 S6	73,80 oct.Poles SE.
Glenwood Sprgs.	2 S	5900	38 S1	73 oct.
→ Granby	1 ENE;riv W	8200	39 S1	80 oct.
Leadville (NC)	3 NNW;hwy E	10,000	45	
Longmont	2.9 W;RR N	5030	40 S6	80,91 oct.Trees NW.
Meeker	1.3 E;hwy S	6300	31	
Rifle	3.3 E;riv N	5400	42 S1	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
(P) WALKER (Grand Junction)	2.8 NNE;rd W	4842	54h L3 S6	80,91 oct.

UTAH

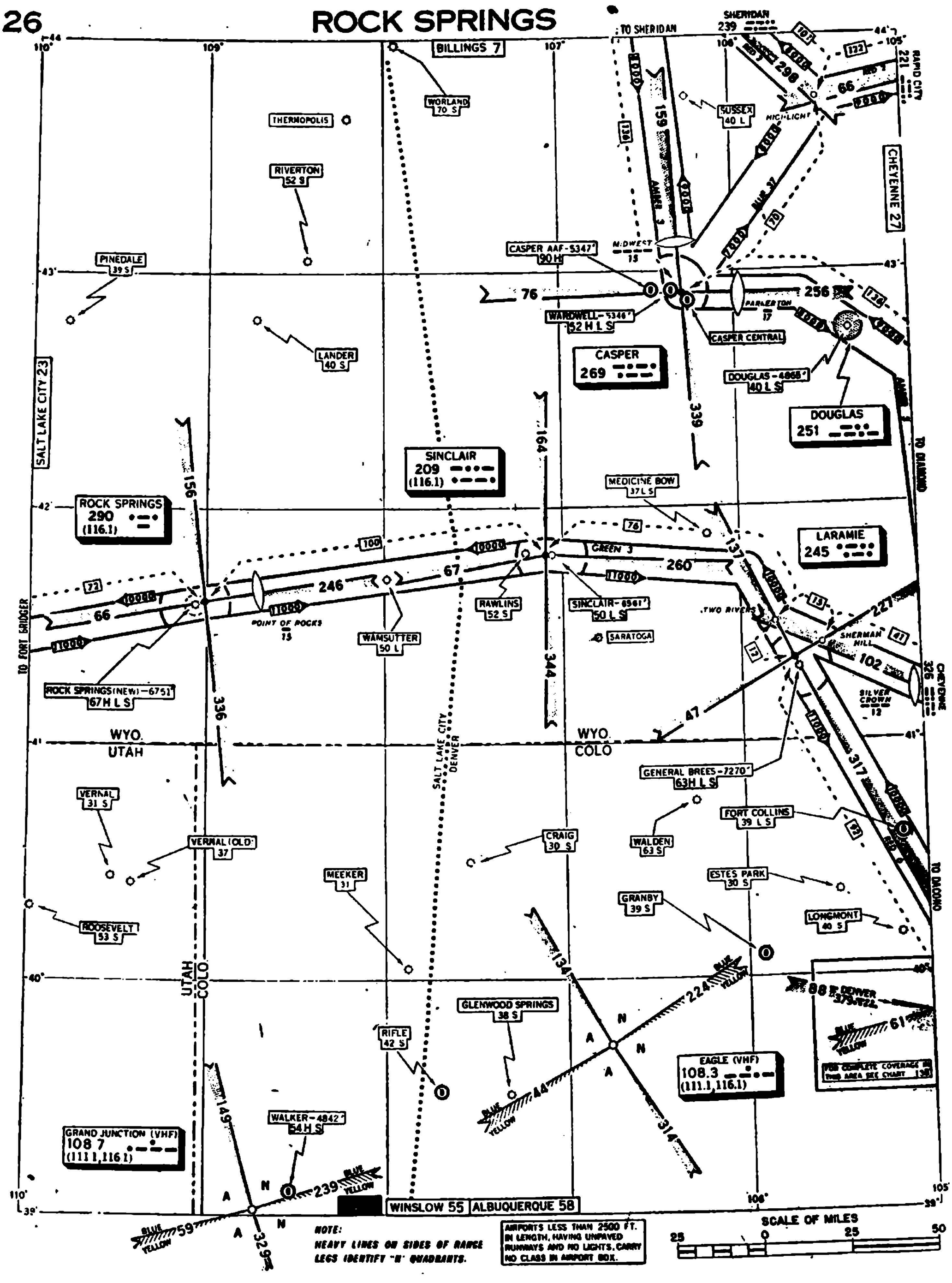
Roosevelt	1.3 NE;hwy S	5000	53 S2	80,91 oct.Poleline SE,E
Vernal (new)	1 SSE;hwy N,E	5280	36 S6	80,91 oct.
Vernal (old)	7 ESE;riv 4 E	5200	37	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not Charted. → NEW OR REVISED DATA

WYOMING

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;nwy SW	5347	90h	CLOSED.
* Douglas Int,11B, CX-GT	1.5 SE;RR W	4865	40 R1 L3 S1	73 oct.
General Brees (Laramie)	4 W;riv SE	7270	63h R1 L5 S6	73,91,100 oct.
Lander	1.5 S;riv W	5550	40 S2	73 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy NE	7200	39 S2	73 oct.
Rawlins	2.3 NE;RR 1 S	6780	52 S4	80,91 oct.
Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS (new)	8.8 E;RR N	6751	67h R1 L5 S6	73,91 oct.
Rock Springs (old)	3.8 NNW	6370	58	(NC)
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3 S1	73,100 oct.
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	33 S1	80 oct.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR E	6812	50 L3	35' pole line S.
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,91 oct.
(P) Worland	2.8 S;canal NW	4185	70 S1	80, 91 oct.
Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S1	80 oct.Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW,hwy E	6900	41	Poleline E.

ROCK SPRINGS



CHEYENNE 27

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT •
(EXCEPT BY ATC REQUEST)

Ⓟ EXTREMELY HAZARDOUS Ⓞ USABLE WITH CAUTION

BISMARCK 10

HOAD LEY
MONDELL
BOURASSA
HOT SPRINGS
EDGEMONT
CRAWFORD
FORT ROBINSON
WHEATLAND
EAST SIDE
TORRINGTON
MITCHELL
SCOTTSBLUFF
BAYARD
HAY SPRINGS
GORDON MUN
CHADRON
ALLIANCE MUN
ALLIANCE
SENECA
BENNETT CO
PRESHO
MINNEAPOLIS
DENVER
MEADOWS 17
IDLE ACRES
OSHKOSH
SIDNEY
ECBERT 29
ARCHER 6
PINE BLUFFS
LORENZO
CHAPPELL
JULESBURG
SCHWARTZ - JOHNSON
GREEN 3
BIG SPRINGS
OGALLALA
PAXTON
LEE BIRD
GOTHENBURG +
GRAND ISLAND 260
CROSIER
YOUNG
STERLING
HOLYOKE
IMPERIAL
ALVIN
HAYES CENTER
McCOOK AAF
McCOOK
DACONO 20
HENDERSON 9
WATKINS 15
AURORA 10
YUMA
WRAY
BENKELMAN
ATWOOD +
OBERLIN
LENORA
RODERICK
ST FRANCIS
EDDIE HUTTON
COLBY
FRANKTOWN 30
STAKE'S
FLAGLER
HUGO
TO PUEBLO
TO SMOKY HILL
TO GRAND ISLAND
TO CASPER
ROCK SPRINGS 26
TO HIGHLIGHT
RAPID CITY 221
RED 2
BLUE 36
RED 31
GREEN 3
RED 6
RED 1
BLUE YELLOW
COLO KANS
WYO NEB S D
NEB COLO
NEB KANS
CONTROLLED AIRSPACE EXISTS ABOVE 4500 FT. MSL

CHEYENNE 278 H 126.18 MC
DENVER 379 H 111 I
SIDNEY 314
BIG SPRINGS 391
NORTH PLATTE 236 H 116 I
CHADRON 206
On request
CHEYENNE 326
AKRON 368
SCOTTSBLUFF 341
HAYES CENTER 400
GOODLAND 353
DENVER (VHF) 109.1 H 111 I
ANTON (VHF) (W) 108.7
GOODLAND (VHF) (W) 108.3
MORLAND (VHF) (W) 109.1

FOR COMPLETE COVERAGE IN THIS AREA SEE CHART 138

ALBUQUERQUE 58 | AMARILLO 59

NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY ■ QUADRANTS

CHEYENNE

RADIO

COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AKRON (Int.)	368 (RN)	SBMRAZ-DT, 154°,3.6	(4)
AURORA LFM	(- - -)	LFM, 155°, 9.5	Denver
DACONO FM	(. . -)	FM, 348°, 20	Denver
DENVER (Stapleton)	379(DV)(111.1)	SBMRAZ-VDTX;159°,2.5	(3);131.7
DENVER (9 mi ENE Stapleton)	109.1(DV) 111.1	VAR-VDT	(3);131.7
FRANKTOWN FM	(. . - - -)	FM, 155°, 29.6	Denver
HENDERSON FM	(-)	FM, 348°, 8.6	Denver
WATKINS FM	(- -)	FM, 59°, 14.8	Denver
→ AMON	108.7(AR)	VARW	

KANSAS

GOODLAND	353(GN)	RW-T	
→ GOODLAND	108.?(GN)	VARW	
→ MORLAND	109.1(MC)	VARW	

NEBRASKA

BIG [illegible]	391 (BO)	BMT	(4)
CHADRON	206 (HC)	MMT	(4)
HAYES CENTER (Int.)	400 (KB)	SBMRAZ-DT,6[illegible]°, 2.1	(4)
NORTH PLATTE (Lee Bird)	236(NQ)(116.1)	SBRAZ-VDT,3[illegible]°,2.2	(4); 116.1
SCOTTSBLUFF	341 (TF)	SBMRLZ-DT, 301°, 3	(4)
SIDNEY (Int.)	314 (SD)	BM-DT, 350°,0	(4)

WYOMING

ARCHER LFM	(-)	LFM, 76°,5.6	Cheyenne
CHEYENNE	326 (CX)	SBRAZ-DT	(3)
Cheyenne Airport	278 (126.18)	C; 76°, 1	(4);116.1,131.9,126.18
EGBERT FM	(. . -)	FM, 76°, 29	Cheyenne
MEADOWS FM	(- - - -)	FM, 341°,16.8	Cheyenne

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station;(3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs.;Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

COLORADO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Akron Int.,9,DV-GI	3.9 SE; RR N	4585	53 R1 L3	
★ Alvin Int.,15,DV-GI	3.5 NNE	3600	40 L3	Rds S, N.
Burlington (NC)	0.5 W	4160	32	Pole line S, N.
Crosier (Greeley)	3.5 E; RR N	4648	34 S6	73 oct.
Doughty's (Julesburg)	12 ESE	3600	18	PRIVATE,Use in emergency.
Flagler	0.8 S; RR N	4975	48 S1	73 oct. 20' pole line E.
Holyoke	1.8 ESE; RR NW	3720	35 S1	80 oct.
Hugo	1.5 E; RR S	5034	26 S1	80 oct.
Julesburg	2.8 SW; RR SE	3490	24 S4	73 oct No sto.Pwr line S.
Roderick (Lindon)	4.3 N; riv E	4900	26 S1	73 oct.
Stake's Prairie(Limon)	2.2 ENE; RR S	5375	34 S4	73 oct.
(P) Sterling	2.8 W; RR S	4020	37 S6	73,80 oct.
Wray	1.2 NNW; RR S	3400	30 S1	Ltd 73 oct.
Young (Fort Morgan)	6 N; hwy E	4460	52 S4	73 oct.
Yuma	1.4 SSE; RR N	4150	35 S6	73 oct. Poles S, SW.

KANSAS

Atwood	2 N;hwy W	2900	26 S1	73 oct.Data unverified.
Colby	1.8 N; RR S	3150	42 S2	80 oct. Poles SW, W.
Eddie Hutton (Brewster)	1 SE; RR N	3420	35 S2	73 oct.
Goodland	2 NNE; hwy W	3689	37 S6	80,91 oct.Trees NW.
Lenora (NC)	1.2 NNW; hwy S	2325	29	
Oberlin	0.9 NW; RR SE	2684	25 S1	80 oct. Pole line SE, NE.
St. Francis	1 SSE; riv NW	3400	35 S2	80 oct.

NEBRASKA

Alliance	4.6 SE; RR N	3930	9[illegible]h	
Mun	2.8 SW; RR,hwy E	3965	53 S6	80 oct.
Bayard	1.3 SSW; RR N	3760	25 S2	No fuel. Poles N,E,NW,SE

NEBRASKA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Benkleman	1.2 NNE; RR SE	2990	28 S1	80 oct.
★ Big Springs Int,55,SL-OH	3 WNW; hwy N	3590	35 R1 L3	Pole line E.
Chadron,15,CX-HR	4.8 W; hwy S	3312	45 R1 L3 S4	73 oct.
Chappell	3 E; RR SW	3830	26 L1 S2	80 oct. Pole line W.
Crawford	3.8 NNW; hwy E	3676	35	Poles E, W.
(A) Ft. Robinson (A)	2 S; RR N	3920	18	
Gordon	1.3 E; RR N	3549	34 S4	73,80 oct. Poles N,S,W.
★ Hayes Center Int,21,DV-GI	3 ENE; rd S	3074	51 R1 L3	
Hay Springs	2.5 W; hwy E	3840	17 S2	80 oct. Pole line N.
Imperial	1 ESE; RR SW	3280	36 S4	80 oct.
(P) LEE BIRD (North Platte)	3.2 ESE; riv SW	2779	55h R1 L5 S6	73,80,91,100 oct.
Lorenzo	0.6 WNW; RR E	4400	17 S1	Ltd 73 oct. Cattle on fld.
McCook	2.2 E; RR,hwy S	2586	42 S4	80 oct. Windmill N.
(A) " AAP (A)	9 NNW; hwy E	2784	75h	INACTIVE.
Mitchell	1.6 S; riv N	3950	40 S6	73,80 oct. Trees, poles NW.
Modisett (Rushville)(NC)	2.4 NE; RR S	3475	30	Bldgs, pole line E.
Ogallala	2 W; RR S	3250	26 L1 S6	80 oct. Poles S, SE, SW.
Oshkosh	1.8 SE; riv S	3375	21 S1	Ltd 80 oct. Poles NW,NE.
Schwartz-Johnson (Sidney)	1.6 SSE; RR,hwy N	4120	32 S1	73,80,91 oct.
SCOTTSBLUFF	3.3 E; hwy S	3945	82h R1	
Seneca	2.2 NNW; riv S	3200	26 S1	Ltd 80 oct. Twr NNW.
★ Sidney Int.,50,SL-OH	3 W; RR N	4132	36 R1 L3 S1	Ltd 73,80 oct.
Valentine (NC)	1.5 SSE; hwy E	2579	18	Not maintained.Rough.Poles:NE
→ Gothenburg	Adj E; hwy S		32 S2	80 oct. Data unver
→ Idle Acres (Potter)	11.8 N; hwy N	4550	21 S4	80 oct.Pole line W.Data unver

SOUTH DAKOTA

Bennett Co. (Martin)	4.4 SSE; riv N	3325	30 S1	73 oct. Pole line sur fld.
Bourassa (Custer)	1 ESE; hwy N	5301	30 S2	73 oct. Poles W, NW.
Edgemont	1.1 SW	3575	30 S2	73 oct.
Hot Springs	5.5 SSE; riv N	3075	52 S2	73 oct.
Presho Mun.	0.8 NW; RR S	1800	22 S1	80 oct. Poles N,NW,S.

WYOMING

(P) CHEYENNE	1 N; lakes WNW	6140	79h R2 L5 S6	73,80,91,100 oct. Poles W
Hoadley (Dull Center)	9.4 NE	4176	24 S1	73,80 oct.
Mondell (New Castle)	6.2 WNW; RR N	4260	36 S2	73 oct.
(P) Pine Bluffs,44,SL-OH	4.2 WSW; RR S	5128	48 L3 S2	80 oct. Pole line N.
(P) Torrington	3.4 S; hwy W	4350	36 S1	73,91 oct. Pwr line S, W.
Wheatland,6,CX-GT	3.4 NNW; riv N	4648	46 L3 S6	80 oct.
Lusk (Wyo.)	2.9 E;RR S	5000	47 S1	73 oct.Poles SE.
East Side(Wheatland,Wyo.)	0.7 E;RR W	4750	21 S1	80 oct.

RADIO

IOWA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ATLANTIC	257 (IZ)	MRT	(4)
CALIFORNIA FM	(- - - -)	FM, 333°, 18	Omaha, Nebr.
GLENWOOD FM	(- -)	FM, 146°, 23.8	Omaha, Nebr.
HANCOCK FM	(-)	FM, 73°, 30.5	Omaha, Nebr.
SIOUX CITY	335 (YZ)	SBMRLZ-DT	(3)
Sioux City Airport	396 (126.18)(118.3)	AC: 337°, 1.9	(4);131.9,126.18,118.3
SLOAN FM	(---)	FM, 157°, 8.8	Sioux City

KANSAS

MARSHALL (Fort Riley)(Army)	215 (DPY)	SBMRAZ	
Marshall Field	396 (126.18)	CA: 196°, 4	(3); 126.18
PHILLIP BILLARD (Topeka)	278	GT	(3) (sunrise-sunset)
TOPEKA	109.1 (FK)	VARW; 211°, 6	
WALDO	108.7 (LO)	(VARW)	

MISSOURI

TARKIO	281(TK)	MRT	(4)

NEBRASKA

GRAND ISLAND	260 (GI)(116.1)	SBMRLZ-VDT	(4); 116.1
Grand Island AAF	278 (126.18)	CA (ILS): 165°, 1.3	(3); 126.18 (7-23)
KEARNEY (Army)	536 (DKR)	HW, 130°, 5.3	
→ LINCOLN	385 (HK)(116.1)	SBMRLZ-VDT; 170°, 2.6	(4);116.1
MEAD FM	(- - -)	FM, 252°, 28.4	Omaha
OFFUTT (Omaha)	396 (126.18)	CA	(3); 126.18
OMAHA	320 (OH)	SBRAZ-DT	(3)
Omaha Airport	278 (126.18)	C (ILS); 146°, 6.8	(4);116.1,121.9,126.18
OVERTON	278 (OV)	MRT	(4)

SOUTH DAKOTA

SIOUX FALLS	245 (YL)	SBRAZ-DT, 93°, 2.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
OMAHA, NEBR.	110.3	335	135° Mag.	IM- ····· (.06)	MM-	OM- -- (4.90)
					MMK-	OMK-
GRAND ISLAND AAF, NEBRASKA	110.3	335	349° Mag.	IM- (.07)	MM- ····· (1.00)	OM- -- (4.50)
					MMK-	OMK-

S-Simultaneous Range and Voice, W-Without Voice, Z-VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

IOWA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Atlantic	4.6 NW; RR S	1353	21 S6	80,91 oct.
* mun	1.9 W; RR E	1153	33 R1 L3	Beacon 1/4 mi W
Briggs (Fiscus)	4.2 NE; RR E	1370	21 S2	80 oct. Trees N.
Clarinda	0.8 SE; RR W	1060	26 S4	80 oct.
Council Bluffs	3 SE; RR S	980	37 S6	80 oct. Bldgs SW.
Denison	2.4 WSW; riv SE	1200	20 S2	80 oct. Trees SSW.
Fuller (Milford)	0.7 NNW; hwy E	1440	36 S6	80 oct. Trees, poles E,W,S.
Geisinger (Storm Lake)	0.5 N; RR E	1240	13 S2	73 oct. Poles W,E.
Harlan	5 SSW; hwy E	1198	18 S2	73 oct.
Hart (Spencer)	1.6 S; hwy N	1100	26 S4	80 oct. Pole line NE,N.
John E. Peters (Ocheyedan)	1.5 N; hwy S	1425	24 S2	80 oct. 25' pole line S.
Liberty (Sutherland)	2.1 WSW, RR W	1465	23 S6	80 oct. 35' pole line E.
Manning	0.6 SW, RR W	1327	25 S2	73 oct.
McKinick (Rock Rapids)	3 N; riv W	1361	31 S4	80 oct. Trees W.
Missouri Valley	1.5 S, RR W	960	16 S2	80 oct.
Nicholson (Ida Grove)	1.9 WSW; RR N	1120	20 S1	80 oct.
Okoboji Airways(Spirit Lake)	2.8 SW; hwy E	1450	20 S2	80 oct. Poles NE
Oliver Ranch (Onawa)	5 SE; hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
Randolph (NC)	1.7 NNE; RR W	1050	20	
Red Oak	1.5 W; RR E	1044	25 S2	80 oct. Pole line N.
Sheldon	5 NNE; RR W	1444	33 S6	80 oct. Pole line S,W,SW,SE.
(A) SIOUX CITY	7 S; RR E	1097	69h R2 L5 S4	80,91 oct; 91,100 oct.military acft.
(P) Spencer	2.9 WNW; RR S	1335	40 S6	80,91 oct.
Thorne (Moneta)	2.5 S	1410	25 S2	80 oct. Pole line, trees W.
(P) Western Union (Le Mars)	1.3 SW; RR SE	1190	30 S6	80 oct. Low obst.
Cherokee	1 S; RR W,S	1218	19 S1	80 oct.

KANSAS

Belleville	1.8 WSW; hwy S	1520	24 S2		73 oct.
Bern	0.5 S; RR N	1300	26 S1		80 oct. Pwr line N
Blosser (Concordia)	1 SSE; hwy W	1515	26 L S2		80 oct. Port rnwy lgts.
Clay Center	1.5 W; hwy S	1200	30 S2		80 oct. Poles S, NW
Downs	Adj SW; RR N, NW	1550	20 S2		80 oct. Data not verified.
Elkins (Wakefield)	1 SSE, riv NE	1170	13 S1		80 oct. Poles W.
Hiawatha	1.) WSW; RR E	1110	24 S1		80 oct. Pwr line N.
Holton	0.9 E; RR E	1020	21		Trees N.
Huntoon (Topeka)	5.4 W; riv N	1000	18 S6		80 oct. Pwr line N.
Larkinburg	0.3 E of Holton	947	27 S2		80 oct. Hi-lines N. Data unverified.
Lawrence	2.5 NNE, hwy S	840	32 L3 S6		80 oct. No beacon. Poles W. Lgts prior req.
Manhattan	5.5 WSW; RR SE	1050	31 S6		80 oct.
Mankato	0.8 ESE; RR S	1780	22 S4		73 oct.
(A) Marshall (Ft. Riley)(A)	1.8 SE	1062	45h R2 L5 S6		73,91,100 oct. Ditch E,S.
Norris (Beloit)	1.2 NW; RR S	1420	24 S2		73 oct. Trees E.

*h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page 111) (NC)-Not charted → NEW OR REVISED DATA

KANSAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Norton	0.7 NNW; hwy E	2165	52 S3	73 oct. Pole line E, S.
PHILLIP BILLARD (Topeka)	3.5 ENE; RR S	879	42h R1 L5 S6	80, 91 oct.
Phillipsburg	1.5 S; RR N	1882	33 S1	80 oct
Pottawatomie (Manhattan)	1.4 NE; RR SE	1100	20 S4	80 oct. Poles SE, NW, NE.
Seneca	0.5 W; RR S	1250	24	Poles N, S.
Smith Center	1 SSW; RR NW	1806	27 S1	80 oct.
Summerfield	0.3 SSE; RR W	1450	20 S2	80 oct. Pole line N, NW.
Wood Airpark (Clay Center)	3.5 N; hwy W	1260	15 S6	80 oct. No sto. Pole line W.

MINNESOTA

McDowell (Luverne)	8 NW; hwy W	1440	25 S4	80 oct.
Pipestone	1 SE, RR E, W	1735	20 S4	Ltd 80 oct.
Worthington	1.4 N; lake SSW	1580	26 S1	80 oct.

MISSOURI

Craig	0.6 NE; RR SW	875	25 S1	73 oct. Pole line WNW.
Tarkio IO, KC-OH	1.2 ENE, RR W	918	40 R1 L3 S4	80 oct. Trees N.

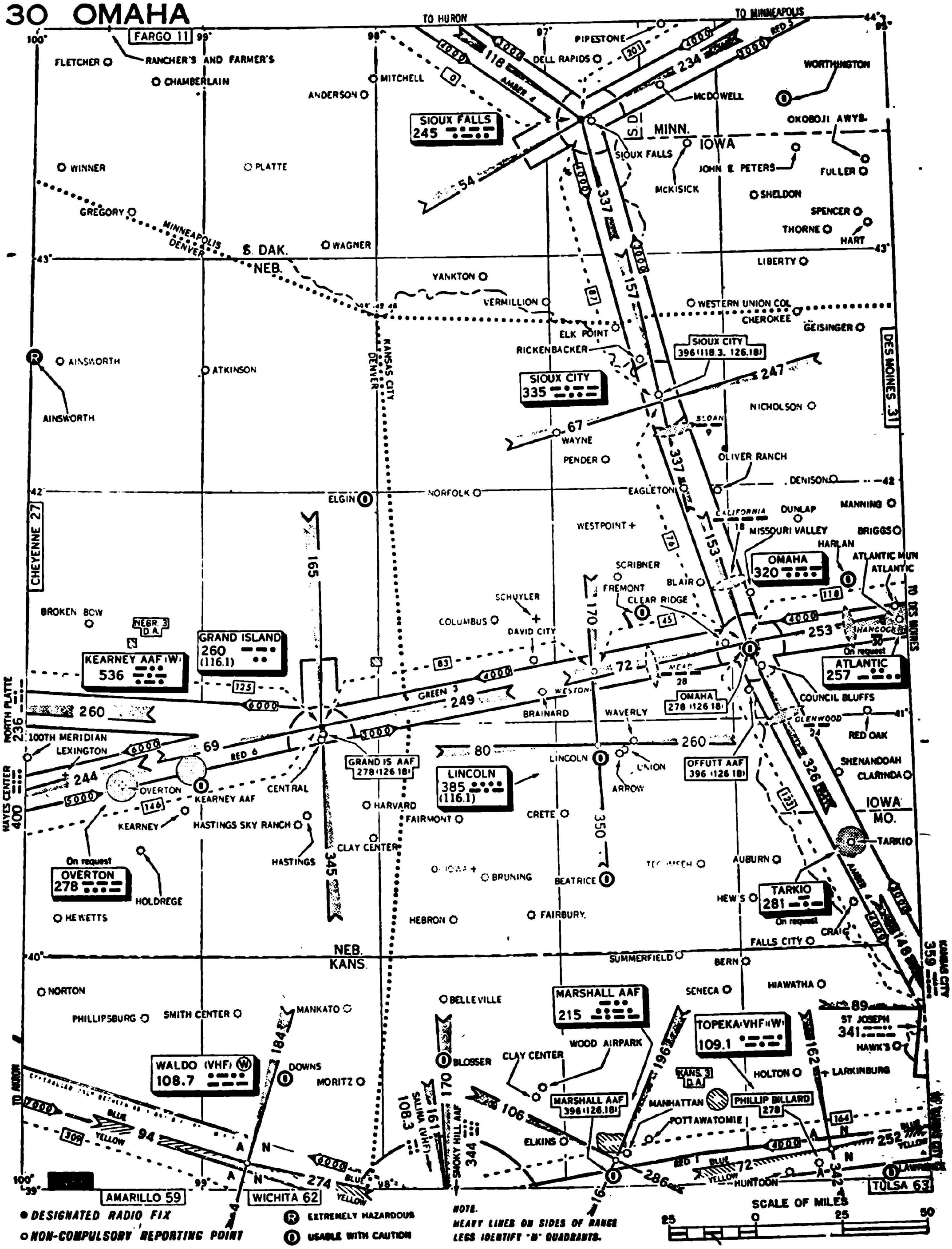
NEBRASKA

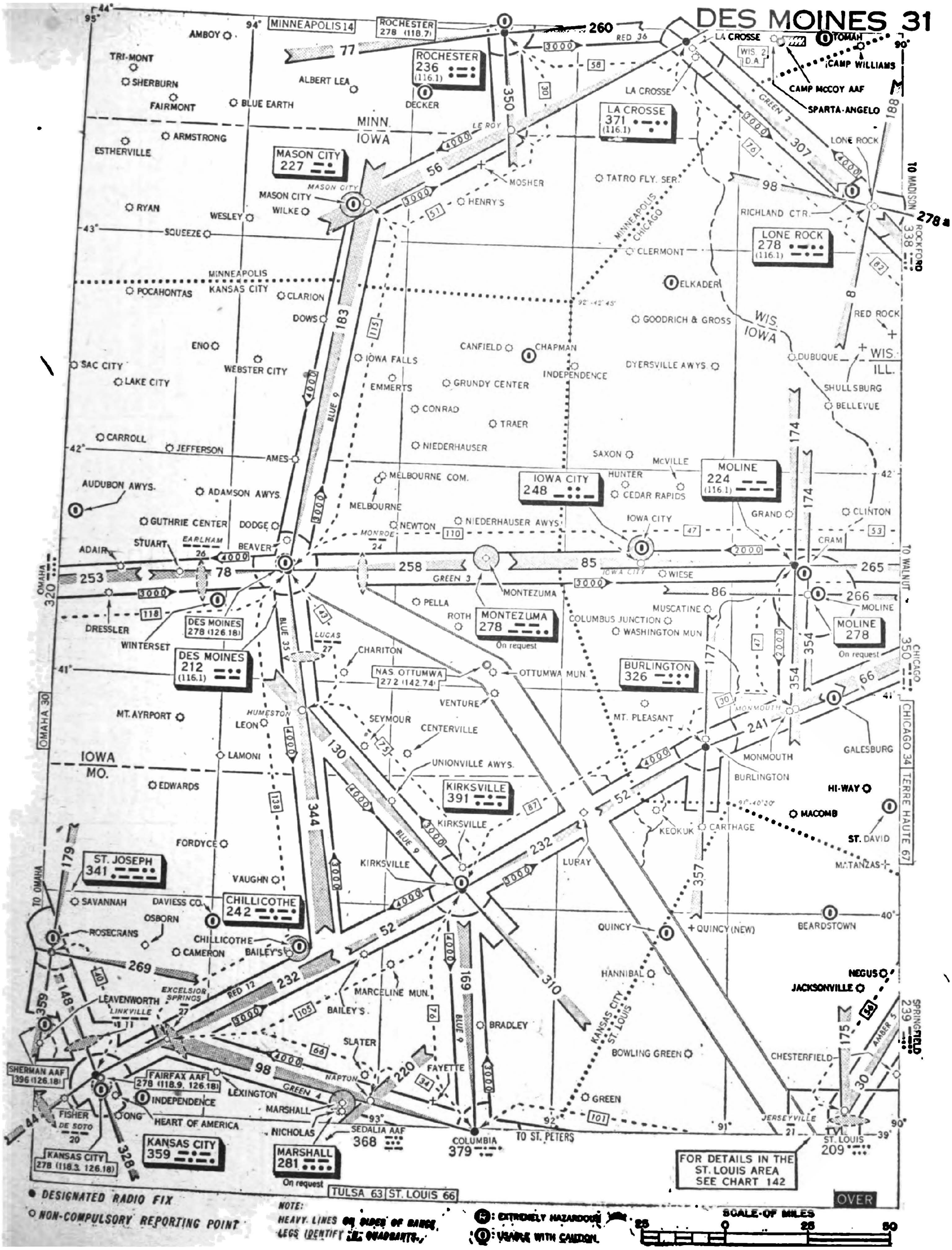
→ Ainsworth, mun	7 WNW; RR S	2580	73h L5 S6	85,91 oct.
→ " (old)	1 ENE, hwy S	2521	52 S5	80 oct. Pole line S.
Arrow (Lincoln)	4.8 NE, hwy E	1160	25 L S6	73,80 oct. Port rnwy lgts.
Atkinson	1.4 SW, riv NE	2109	22	Trees S, pole line E,SE,N,NW.
Auburn	2.7 E; riv SW	960	29 S6	80 oct. Pole line N, NW, NE.
(P) Beatrice	3.5 N, hwy E	1260	39h S4	80 oct. Twr S, SW. Rnwy data not ver.
Blair	3 NNW, RR E	1050	24 S6	80,91 oct. Windmill NW.
★ Brainard Int., 82, SL-OH	5.5 SW, hwy W	1640	31 L3	
Broken Bow	2 N	2400	30 S6	80 oct.
Bruning	7.7 E; RR N	1544	68h	
Central (Grand Island)	1.7 NE, RR S	1851	33 S6	73,80 oct. Pole lines W, S, N, E.
Clay Center	1.5 E, hwy N	1800	26 S2	73 oct.
Clear Ridge (Omaha)	5.2 NW, RR N	1230	24 S6	80 oct. Pole line E.
Columbus	1.3 NE; RR S	1445	26 S6	Pole line SSE, SSW.
Crete	1 S, RR NE	1368	24 L3 S2	73 oct. Lgts prior req.
David City	1.5 N, hwy W	1640	22 S2	80 oct. Windmill E.
Eagleton (Decatur)	1 S, riv NE	1100	26 S2	73 oct. Poles NE, trees NW.
Elgin	0.8 SW, RR E	1930	16 S6	80 oct. Bldgs SE, N.
Fairbury	2.5 ENE, RR, hwySE	1316	26 L S6	80 oct. Port rnwy lgts. Pole line W, NW, S.
Fairmont (Geneva)	4.8 NE	1639	70h	
Falls City	2 SSW, riv N	910	14 S1	Ltd 80 oct. Pole line N, W.
(P) Fremont	1.4 WNW, RR's NE	1203	38h S4	80 oct. Pole line N, NE, E, SE, Twr SW.
(A) Grand Island AAF (A)	3.5 NE, RR W	1843	72h R2 L5 S6	73, 91, 100 oct. Twr SW.
Harvard	2.5 NE	1817	76h	
Hastings	1.5 NW; RRs N,S	1940	35 L S6	73 oct. Port rnwy lgts.
Hebron	1 S, RR W	1458	26 S4	80 oct. 5 approach 6.1, SW 10:1.
Hewett's (Beaver City)	2.5 NNE, hwy S	2300	40 S1	73 oct. Pole NNW, SSW, bldg N.
Hew's (Humboldt)	4.7 NNE, RR S	1200	13	Twr line E.
Holdrege	2 NNE; creek S	2374	26 S4	80 oct.
Kearney	4.5 S; riv N	2145	15 S1	80 oct. Trees N, pole line E
(A) Kearney AAF (A)	4.5 ENE, RR S	2140	73h	CLOSED.
Lincoln	5.5 NW, RR NE	1190	71h R1 L5 S1	80,91 oct. Fld lgts prior req.
(P) Norfolk	3 SSW, RR W riv N	1572	58h S4	73 oct.
(A) Offutt (Omaha)(A)	10 S; RR W	1046	61h R1 L5 S4	91,100 oct. No sto.
Ohiowa	3 SW	1572	20	Fence sur fld. Data unverified.
OMAHA	3.5 NE, lake W	977	54h R1 L6 S6	73,80,91,100 oct. No contact lgts.
100th Meridian (Cored)	0.8 SW; RR N	2490	22 S1	80 oct. Pole line E.
★ Overton Int., 69, SL-OH	4.8 E, RR S	2300	40 R1 L3	Bldgs, trees NW, poles NE.
Pender	1 NE, RR SW	1400	22 S2	73 oct. Pole line S, SE.
Scribner	4.1 SSE; hwy N	1315	67h	
Steckley (Weeping Water)	3 S, RR, rd E	1260	26	Pole line N.
Tecumseh	1 W, RR NE	1115	36 S2	80 oct. Trees W, pole line N.
Union (Lincoln)	4.8 NNE; RR S	1140	18h L3 S6	80,91 oct. All lgts prior req.
(P) Wayne	1.8 E; RR N	1475	33 S4	80 oct. Pole line NW.
Waverly (Lincoln)	9 NE, RR SE	1180	20	Poles SE, SSW.
West Point	1.5 E, hwy W		16 S4	80 oct. Data unverified.

SOUTH DAKOTA

Anderson (Mitchell)	2.7 W, RR N	1291	29 S6	80 oct. Poles sur fld.
Chamberlain	3.4 SE, hwy N	1684	26 S2	73,80 oct. Poles N, NW.
Elk Point	2.4 E, riv NE	1120	26 S2	80 oct. Poles N, NW
Gregory	2.2 S; RR NE	2000	22 S2	73 oct. Pole line E, SE.
Mitchell	4 N, hwy E	1292	67h	
Rancher's & Farmer's(Reliance)	9 N; rd N, S		30 S1	73 oct. Data unverified.
Nickenbacker (Stevens)	1 N, riv E	1114	28 S6	80,91 oct.
SIOUX FALLS MUNICIPAL	2.5 NNW, RR E	1420	57h R1 L5 S1	80,91 oct. Contact lgts prior req.
Vermillion	3.8 WNW, RR NE	1140	25 S4	80 oct. Poles N.
Wagner	1.3 S; RR N	1464	30 S1	73 oct. Poles E, NW.
Winner	1.3 NE; RR SW	2038	26 S6	80,91 oct.
(P) Yankton	2.3 N, hwy W	1400	37 S6	80 oct. Twr E.
Platte, S.D.	1.2 NNE; RR SW	1650	28 S1	80 oct. Poles NE, SE, S.
Lexington, N.D.	1 W; RR S	2400	32 S5	Data unverified.
Dunlap Ia.	0.5 WNW, RR SE	1160	30 S3	80 oct. Pole line NNE.
Shenandoah, Ia.	2.8 W, RR SE	960	25 L S2	80 oct. Port rnwy lgts.
Hawk's, Atchison, Kan.	1.5 WNW; RR S	1000	12 S1	80 oct. Poles N.
Hastings Sky Ranch	3.2 WSW; RR N	1960	26 S1	73 oct. Pole line S. (Hastings, Nebr.)
Dell Rapids Mun., S.D.	1.6 NE; RR SE	1450	20 S1	73 oct.
Fletcher, Reliance, S.D.	2 SE; RR NE	1600	20 S1	80 oct.
→ Schuyler, Neb.	2, SW, bet RR, hwy		25 S4	80 oct. Data unverified

30 OMAHA


FARGO 11
RANCHER'S AND FARMER'S
FLETCHER
CHAMBERLAIN
ANDERSON
MITCHELL
TO HURON
PIPESTONE
DELL RAPIDS
TO MINNEAPOLIS
WORTHINGTON
McDOWELL
SIOUX FALLS 245
SIOUX FALLS
MINN.
IOWA
OKOBOJI AWYS.
JOHN E PETERS
FULLER
MCKISICK
SHELDON
SPENCER
THORNE
HART
WINNER
PLATTE
GREGORY
MINNEAPOLIS
DENVER
S. DAK.
NEB.
WAGNER
LIBERTY
YANKTON
VERMILLION
WESTERN UNION COL
CHEROKEE
GEISINGER
ELK POINT
RICKENBACKER
SIOUX CITY 396 (118.3, 126.18)
SIOUX CITY 335
DES MOINES
AINSWORTH
ATKINSON
KANSAS CITY
DENVER
247
NICHOLSON
SLOAN
67
WAYNE
PENDER
OLIVER RANCH
DENISON
42
ELGIN
NORFOLK
EAGLETON
CHEYENNE 27
CALIFORNIA
DUNLAP
MANNING
WESTPOINT
MISSOURI VALLEY
BRIGGS
HARLAN
ATLANTIC MUN
ATLANTIC
SCRIBNER
FREMONT
BLAIR
OMAHA 320
CLEAR RIDGE
SCHUYLER
COLUMBUS
DAVID CITY
BROKEN BOW
NEBR. 3 D.A.
GRAND ISLAND 260 (116.1)
KEARNEY AAF (W) 536
TO DES MOINES
ATLANTIC 257
COUNCIL BLUFFS
GREEN 3
249
WESTON
BRAINARD
WAVERLY
OMAHA 278 (126.18)
GLENWOOD
RED OAK
260
100TH MERIDIAN
LEXINGTON
69
RED 6
GRAND IS AAF 278 (126.18)
LINCOLN 385 (116.1)
LINCOLN
UNION
ARROW
OFFUTT AAF 396 (126.18)
SHENANDOAH
CLARINDA
IOWA
MO.
HAYES CENTER
NORTH PLATTE
OVERTON
KEARNEY AAF
CENTRAL
HARVARD
FAIRMONT
CRETE
KEARNEY
HASTINGS SKY RANCH
CLAY CENTER
HASTINGS
BRUNING
BEATRICE
AUBURN
TARKIO
TARKIO 281
On request
OVERTON 278
HOLDREGE
HEWETTS
HEBRON
FAIRBURY
HEWINS
CRAIG
NEB.
KANS.
FALLS CITY
SUMMERFIELD
BERN
NORTON
PHILLIPSBURG
SMITH CENTER
MANKATO
BELLEVILLE
MARSHALL AAF 215
SENECA
HIAWATHA
ST JOSEPH 341
HAWK'S
WALDO (VHF) (W) 108.7
DOWNS
MORITZ
BLOSSER
CLAY CENTER
WOOD AIRPARK
MARSHALL AAF 396 (126.18)
TOPEKA VHF (W) 109.1
HOLTON
LARKINBURG
MANHATTAN
PHILLIP BILLARD 278
POTTAWATOMIE
HUNTOON
AMARILLO 59
WICHITA 62
TULSA 63
SALINA (VHF)
SMOKY HILL AAF
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.
SCALE OF MILES
25 0 25 50


DES MOINES 31
MINNEAPOLIS 14
ROCHESTER 278 (118.7)
ROCHESTER 236 (116.1)
DECKER
LA CROSSE 371 (116.1)
LA CROSSE
WIS. 2 D.A.
TOMAH
CAMP WILLIAMS
CAMP McCOY AAF
SPARTA-ANGELO
LONE ROCK
LONE ROCK 278 (116.1)
RICHLAND CTR.
MASON CITY 227
MASON CITY
MOSHER
TATRO FLY. SER.
HENRY'S
WILKE
RYAN
WESLEY
SQUEEZE
CLERMONT
ELKADER
POCAHONTAS
CLARION
DOWS
GOODRICH & GROSS
WIS.
IOWA
RED ROCK
DUBUQUE
WIS.
ILL.
ENO
SAC CITY
LAKE CITY
WEBSTER CITY
IOWA FALLS
CANFIELD
CHAPMAN
INDEPENDENCE
DYERSVILLE AWYS.
EMMERTS
GRUNDY CENTER
SHULLSBURG
BELLEVUE
CONRAD
TRAER
NIEDERHAUSER
CARROLL
JEFFERSON
AMES
SAXON
McVILLE
MELBOURNE COM.
MELBOURNE
IOWA CITY 248
HUNTER
CEDAR RAPIDS
MOLINE 224 (116.1)
AUDUBON AWYS.
ADAMSON AWYS.
GUTHRIE CENTER
DODGE
NEWTON
NIEDERHAUSER AWYS.
GRAND
CLINTON
ADAIR
STUART
BEAVER
CRAM
IOWA CITY
WIESE
MONTEZUMA
PELLA
ROTH
MONTEZUMA 278
On request
MUSCATINE
COLUMBUS JUNCTION
WASHINGTON MUN
MOLINE
MOLINE 278
On request
DRESSLER
WINTERSET
DES MOINES 278 (126.18)
DES MOINES 212 (116.1)
CHARITON
LUCAS
NAS OTTUMWA 272 (142.74)
OTTUMWA MUN
BURLINGTON 326
MT. AYRPORT
HUMESTON
LEON
SEYMOUR
CENTERVILLE
MT. PLEASANT
MONMOUTH
GALESBURG
IOWA
MO.
LAMONI
UNIONVILLE AWYS.
EDWARDS
KIRKSVILLE 391
KIRKSVILLE
KEOKUK
CARTHAGE
MACOMB
HI-WAY
ST. DAVID
MATANZAS
FORDYCE
ST. JOSEPH 341
VAUGHN
LURAY
SAVANNAH
DAVIESS CO.
CHILLICOTHE 242
OSBORN
ROSECRANS
CHILLICOTHE
CAMERON
BAILEY'S
QUINCY
+ QUINCY (NEW)
BEARDSTOWN
HANNIBAL
NEGUS
JACKSONVILLE
LEAVENWORTH
LINKVILLE
EXCELSIOR SPRINGS
MARCELINE MUN.
BAILEY'S.
BRADLEY
SLATER
FAYETTE
BOWLING GREEN
CHESTERFIELD
SHERMAN AAF 396 (126.18)
FAIRFAX AAF 278 (118.9, 126.18)
INDEPENDENCE
LEXINGTON
MARSHALL
HEART OF AMERICA
NICHOLAS
SEDALIA AAF 368
COLUMBIA 379
TO ST. PETERS
GREEN
JERSEYVILLE
ST. LOUIS 209
FISHER
DE SOTO
ONG
KANSAS CITY 359
KANSAS CITY 278 (118.3, 126.18)
MARSHALL 281
On request
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142
TULSA 63 | ST. LOUIS 66
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY RL QUADRANTS.
E: EXTREMELY HAZARDOUS
Q: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50
TO MADISON
TO WALNUT
CHICAGO 350
CHICAGO 34 TERRE HAUTE 67
OMAHA 320
OMAHA 30
TO OMAHA
MINNEAPOLIS KANSAS CITY
MINNEAPOLIS CHICAGO
KANSAS CITY ST. LOUIS
MINN. IOWA
IOWA MO.
260
77
350
56
183
188
307
98
278
338
174
354
177
241
344
130
232
310
169
52
85
86
258
253
78
265
266
220
148
359
269
179
357
175
239
SPRINGFIELD
RED 12
GREEN 3
GREEN 4
BLUE 9
BLUE 35 V
AMBER 5
RED J6
GREEN 7

RADIO — ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARD.HRS. OF OPER.,REMARKS
JERSEYVILLE FM	(-)	FM, 355°,21	St. Louis, Mo.
MOLINE	224(MO)(116.1)	SBRAZ-VDT,142°,12	(4), 116.1
Moline Airport	278	ML, 86°, 2.3	3105 (on req)
IOWA			
BURLINGTON	326 (BN)	SBRAZ-DT,357°,1.8	(4)
DES MOINES	212 (DM)(116.1)	SBRAZ-VDT	(3), 116.1
Des Moines Arpt.	278 (126.18)	C, 344°, 2	(4),116.1,131.9,126.18
EARLHAM FM	(- - - -)	FM, 252°, 26.3	Des Moines
IOWA CITY	248 (IX)	BHT	(4)
LUCAS FM	(- - -)	FM, 164°, 27.2	Des Moines
MASON CITY	227 (NM)	MHT	(4) oper cont.
MONROE FM	(- -)	FM, 78°, 23.5	Des Moines
MONTEZUMA(Int)	278 (MZ)	MHT	(4)
OTTUMWA NAS	272 (142.74)	CN	(3), 142.74
KANSAS			
FAIRFAX (Kansas City)	278 (126.18) (118.9)	C	(4),126.18,131.9,118.9
SHERMAN (Ft. Leavenworth)	396 (126.18)	CA	(3),126.18 cont.except Sun.(23-7)
MINNESOTA			
ROCHESTER	236(RR)(116.1)	BMRLZ-VDT,350°,2.5	(3); 116.1
Rochester Airport	278(118.7)	C	(4);126.18,118.7,131.9
MISSOURI			
CHILLICOTHE(Int)	242 (CK)	MHT	(4)
EXCELSIOR SPRGS FM	(-)	FM, 52°, 27	Kansas City
KANSAS CITY	359 (KC)	SBRAZ-DTX	(3).
Kansas City Arpt.	278 (126.18) (118.3)	AC (ILS),148°,3	(4), 116.1,131.9,126.18, 118.3
KIRKSVILLE	391 (KR)	BMRLZ-DT,333°,0.9	(4)
LINKVILLE FM	(- - - -)	FM, 328°, 11.4	Kansas City
MARSHALL (Int)	281 (MH)	MHT	(4)
ST. JOSEPH (Rosecrans)	341 (ZJ)	SBMRLZ-DT,359°, 3.7	(4)
WISCONSIN			
LA CROSSE(Int)	371(LE)(116.1)	SBRAZ-VDT,127°,1.8	(4), 116.1
LONE ROCK (Int.)	278(LK)(116.1)	BMLZ-VDT,98°, 0	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in MHz, Compass Locators in MHz)							
LOCATION	LOCALIZER	G.P.	RUNWAY	I.M.	MARKER BEACONS (OUTER, MIDDLE, COMPASS LOCATORS)		
KANSAS CITY, MO.	109.9	333.8	171° Mag	IM	·····(.01)	MM 291----(2.6)	OM 248---(11.0)

S-Simultaneous Range and Voice, W-Without Voice, Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs., Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ILLINOIS

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Beardstown	1.5 SE; RR N,W		18 S2	80 oct. Data unverified.
Carthage	1.5 SSW,RR E	665	19	Pole line NE, E.
* Chesterfield Int. 4, LS-CG	3 ENE,hwy N	612	26 L3	
Galesburg	1.7 NW,RR SSW	788	27h L3 S6	80 oct. Fld lgts prior req. Trees SW, NE.
Hi-Way(Flatt)	1.3 NW,RR E	665	20 S1	80 oct.35°poleline S,E.
Jacksonville	3.9 S,hwy E	650	19 S4	80 oct. Trees SW.
Macomb	2.4 E,hwy E	695	23 S6	73,80 oct. No sto.
Matanzas(Havana)	4 S,riv W	480	24 S2	80 oct.Data not verif.
MOLINE	4 S,hwy E	590	40h R1 L3 S6	73,80,91,100 oct.
Monmouth	1.5 NNE,rd E	770	31 L1 S6	80 oct.Poleline E,W,S.
Negus(Alexander)	2.8 WNW,RR SE	645	22	PRIVATE.
Quincy	2.8 SE,hwy E	650	26 S4	80 oct.
St. David	1.5 SW,hwy N	628	22 S2	80 oct. Lgt acft only.
IOWA				
Adair	1.5 SSE,RR NW	1350	18 S1	Ltd 73 oct.Trees S.
Adamson Airways	4.8 WSW,hwy N	1000	17 S6	80 oct. (Perry)
Ames	2.5 SSW,RR NW	920	25 S6	80 oct.Lgt acft only.
Armstrong	3.2 NW,hwy S	1250	22 S1	Ltd 80 oct.Trees E.
Audubon Arwys	1 SSE,RR W	1300	15 S1	80 oct. (Audubon)
Beaver	3.4 NW	900	25 S6	80 oct. (Des Moines)

H-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page x111) NC (not charted). → NEW OR REVISED DATA.

IOWA

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellevue	3 N,RR W	652	19 S1	80 oct.
(P)BURLINGTON	1.7 SSW,hwy E	698	54h R1 L5 S6	80,91,100 oct.
Canfield(Waterloo)	3.5 NW,RR NE	800	32 S6	87 oct.Pole line N
Carroll	4.2 ESE,RR N	1196	34 S2	80 oct.
(P)Cedar Rapids	6.7 SSW,RR E	860	55h L5 S1	80, 91 oct.
Centerville	3.5 SSW, RR N	1017	25 S2	80 oct.Use strips only
Chapman(Waterloo)	5 E,RR NW	870	33 S6	80 oct.Poleline S.
Charlton C.A.P.	2.3 NNE,RR SE	1050	16 S1	80 oct.
Clarion	1.1 NW	1162	27 S6	80 oct.
Clermont	0.8 S,riv W	800	21 S6	80 oct.Poleline SE,NE.
Clinton	6.2 WSW,RR S	700	27 L S6	80 oct.No sto.Port rnwy
Columbus Jct.	3 N,RR E	580	28 S2	80 oct.Poleline N,E,lgts.
Conrad	3 WNW,RR S	1000	23 S2	80 oct.27' bldg E.
Cram (Davenport)	2.5 NW,RR SW	646	21 S6	80,91,100 oct.
Creston Arwys	1.6 NE, RR W	1320		UNUSABLE,(NC)
(A)DES MOINES	4.5 SSW,RR W	950	57h R2 L5 S4	80,91 oct.
Dodge (Grimes)	3.5 E,hwy,RR E	835	27 S6	80 oct.
Dows	1.5 SSE,RR NE	1144	26 S2	80 oct.
Dressler(Anita)	7 SSE,rd W	1250	17 S2	80 oct.Trees S.
Dubuque	1.9 NE,riv E	602	27 S6	80 oct.Poles SE,NW.
Dyersv'l Arwys (Dyersville)	0.8 S, RR NE	940	16 S1	80 oct.Pwrlines NW,NE
Elliot Fly.Svc.	Adj S	550	Unl. S1	80 oct. (Davenport) (NC)
Emmerts(Eldora)	2.8 NE,Lake SW	1000	32 S6	80 oct. Poles NW,SE
Eno(Ft.Dodge)	2.5 E,hwy W	1126	27 S6	91 oct.
(P)Estherville	3.5 E,hwy S	1298	35 L S6	80 oct.Port rnwy lgts.
Goodrich&Gross (Strawberry Pt.)	3.5 W,RR NE	1200	19 S1	Ltd 80 oct.Poles SE,SW.
Grand	1.2 SW,RR N	770	20 S2	80 oct. (Grand Mound)
Grundy Center	1.3 ENE,RR S	990	18 S1	80 oct.Pole line S.
Guthrie Center	0.5 NW,riv E	1074	21 S1	80 oct.
Henry's(Floyd)	5 NNE,RR W	1110	14 S1	80 oct.Poles ENE.Steep sloped strips.
(P)Hunter (Cedar Rapids)	3 S, riv N	732	27 L3 S6	80,91 oct.Fld lgts prior req. Poles S, E.
(P)IOWA CITY	1.7 SW; riv E	650	43h R1 L1 S6	80, 91 oct. No sto.
Iowa Falls	4.1 S, RR E	1140	24 S2	80 oct.
Jefferson	0.8 NNW,RR S	1052	23 S6	80 oct.No sto.Poleline
Keokuk	4.6 NNW,riv E	670	28 S1	Ltd 80 oct. N.
Lake City	3.5 NNE, RR S	1200	26 S1	80 oct.
* Lamoni Int,10, KC-MP	3 WNW, RR NE	1163	37 L3 S2	73 oct.
Leon	4.1 N, RR SE	1050	20 S2	80 oct.
McVille (Mechanicsv'l)	3.2 WNW,RR S	850	30 S6	80 oct. Poles S,W.
(P)MASON CITY	7 W,hwy S	1215	56h R1 L5 S6	80,91,100 oct. Poles SE
Melbourne	1.5 SW	1000	20 S1	80 oct.Poles N.
Melbourne,com.	0.3 S,RR E	1000	21 S2	80 oct. Pole line E.
* Montezuma Int, 17, OH-CG	3 E,hwy N	953	32 R1 L3	Poles, trees SW. Pwr line N.
Mt.Ayrport (Mt. Ayr)	6.6 N, RR N	1100	21 S1	Ltd 80 oct.Poles N,NE
Mt. Pleasant	2.6 ESE,RR N	727	19 S2	80 oct.
Muscatine	6 SW,RR SE	546	36 L3 S6	80 oct.
Newton	1.5 ENE,hwy S	950	19 S1	80 oct.
Niederhauser	2.3 N, hwy E	790	30 S6	80 oct.(Marshalltown)
Niederhauser Arwys(Grinnell)	4.5 E	1000	26 S2	80 oct.
Ottumwa	3.6 N,hwy W,S	830	32 S6	80, 91 oct.
(N)Ottumwa NAS	6.4 NNW	841	52h R1 L5 S6	73,100 oct. (N)
Pella	3.5 SE,RR N	877	24 S6	80 oct.
Pocahontas	0.8 E	1216	25	Pole line SW
Ryan (Emmetsb'g)	1.3 W,RR N	1225	18 S2	80 oct.Trees NW.
Sac City	3 SSE,riv W	1160	19 S2	80 oct.
Saxon(Ced.Rpds)	7 NE,hwy S	980	31 S6	80 oct.Trees E,SE.
Seymour	2 NNW,RR S	1060	24 S1	80 oct. Hedge S.
Squeeze(Algona)	5 S,riv S	1201	26 S2	80 oct.Pole line NW,W
* Stuart Int,8,OH-CG	3.5 SE,rd E	1189	31 L3	Pole line NE,E.
Tatro fly.svc.	2.6 NW,riv W	918	26 S2	80 oct. (Decoran)
Traer	1 ENE,RR SW	895	18 S2	80 oct.Pole line E.
Venture(Ottumwa)	2.8 SSE,RR W	800	13 S6	80 oct.Poleline N,W,NE
Washington	1.5 SSE,RR NE	769	26 S6	80 oct.
Webster City	3.3 SW,riv E	1100	26 S4	80 oct. No sto.
Wesley	1.5 E,RR N	1250	31 S1	80 oct. Poleline N,S.
Mosher(Riceville,Ia)	1 W,hwy S.	1263	26 S4	80 oct.P-line S.Data unver

KANSAS

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A)Fairfax (Kans.Cy)	3 NE,RR E	742	65h R1 L5S4	91, 100 oct. (A)
Fisher	1 ESE,RR N	770	26 S6	80 oct.(Edwardsville)
Leavenworth Lecompton	3.6 WSW,RR E	1125	14 S4	80 oct.No sto.Trees, bldg S.
(A)Sherman(Ft. Leavenworth)	1 NNE,RR W	771	60 R1 L5 S4	73, 91, 100 oct. (A)
MINNESOTA				
(P)Albert Lea	2.3 N, RR E	1255	32 S6	80 oct.No sto.Poleline
Amboy	1 NNE, RR W	1000	24 S1	80 oct. N.
Blue Earth	3 S,RR E	1111	23 S1	80 oct.Poleline E.
Decker(Austin)	1.7 E,hwy N	1224	26 S4	73 oct.Obsts sur fld.
Fairmont	3.1 S,hwy W	1190	24 S1	80 oct.Poleline W.
ROCHESTER	1.7 SSE,RR W	1040	43h R2 L4 S6	80,91 oct.Poleline E,N
Sherburn	2 WNW,RRs S,E	1300	21 S2	80 oct.Pwr line ESE.
Tri-Mont	0.9 S,RR W,E	1250	22	(Triumph)
MISSOURI				
Bailey's (Brookfield)	2 WSW,RR N	800	20 S2	80 oct.Pwr line SE.
Bailey's (Chillicothe)	2 SSE,RR W	675	27 S6	80 oct.Poles S.
Bowling Green	1.6 NW,RR E	882	25 S2	80 oct.Poles S,pwrline
(P)Bradley(Moberly)	3 NNE,hwy W	865	37h S6	80 oct.Obsts. SE.
Cameron	2 E,RR NW	1050	21 S4	73 oct.Pwr line N.
* Chillicothe Int, 7, KC-CG	3 E	781	25h R1 L3	Pole line S,trees SW.
Edwards	1.2 ENE,RR W	920	17 S1	Ltd 80 oct.(Grant City)
Fayette	1.5 S	660	28 S2	80 oct.Data unverified.
Fordyce(Bethany)	4.8 ESE,RR WNW	1050	22 S1	80 oct.
Green(Mexico)	4.3 ESE,RR S	815	36 L S6	80 oct.Port rnwy lgts.
Hannibal	4.3 WNW,hwy N	755	28 L S6	80 oct.Poleline SW.
Heart of America (Kansas City)	4 E,RR E	759	23 S6	80 oct. Port rnwy lgts. Poles,trees S.
Independence	5.8 ESE,RR S	825	23 S6	80 oct.Poles S.
KANSAS CITY	2.5 NW,riv W,S	739	52h R3 L5 S6	80,91,100 oct.Poles E.
Kirksville Arpk	Adj SE	927	26 S2	80 oct. dike W.
" 12, KC-CG	7 SE,hwy NE	970	39h R1 L3 S6	91, 80 oct.
Lexington	3 WNW,RR NW	650	33 S6	73 oct.Poleline S,W,SW
* Luray Int,16,	1.9 ESE,hwy N	727	26 L3	KC-CG
Marceline	1.5 N,RR SE	855	20	Pole line NNE.
* Marshall Int,7, KC-LS	1.8 S,hwy E	800	39 R1 L3 S2	80 oct.Silo NE corner
Maryville (NC)	2.2 WNW,RR N	1154	25	
Nicholas(Marshall)	3.8 S,hwy W	770	26 S4	80 oct.Pwr line S.
* Osborn Int,4,	1.5 NW, hwy S	1046	32 L3	KC-MP
Rosecrans	4 NW,riv S	821	60h R1 L5 S2	(St. Joseph)80,91 oct. Fld
Savannah	1.3 E, RR W	1025	13 S1	Ltd 80 oct. lgts on req
Shader	0.8 NW,hwy SE	850	26	Pole line adj N.
Unionville Arwys	1.5 ESE,hwy NE	1100	24 S2	80 oct.Pole line N.
Vaughn(Trenton)	1.2 NNW,RR E	790	26 S1	Ltd 80 oct.
WISCONSIN				
(A)Camp McCoy(A)	2.6 E Sparta	830	38h	RR W
(P)La Crosse	5 NNW,bet rivs	653	53h L5 S4	80, 91 oct.
" Int,23A,	8 NNW,RR NE	667	37 R1 L3	Pole E.(CG-Twin Cys)
* Lone Rock Int, 15,CG-Twin Cys	2 N,rd W,N	714	39 R1 L3 S2	Ltd 80 oct.Poleline NE
Red Rock (Darlington)	5 SE,RR E		12 S1	80 oct.Data not verif.
Richland Center	6 SSE,hwy W		23 S1	80 oct.Trees E,S.Data not verified
Shullsburg	0.5 S	1000	18 S1	80 oct.Trees SW.Data not verified.
Sparta-Angelo	2.2 NE,RR E	800	25 S1	80 oct. Poles sur fld.
Tomah	1 E,RR N	970	18 S1	73 oct. 180 hill E.
(P)Camp Williams	1 N, RR SW	915	31h	(Camp Douglas, Wisc.)
Elkader Ia.	1.1 ESE;RR S	915	17 S2	80 oct.Pole line NW;
Independence Ia.	4.1 W;RR E	990	23 S2	80 oct.Poles N.
Roth (Oskaloosa)Ia	2 SSE;RR NE	850	20 S2	80 oct Trees sur fld.
Wilkie (Garner)Ia.	1.8 NW;RR S	1230	26 S2	80 oct.Poles NW,SW.
Winterset Ia.	2 W;RR E	1130	20 S4	80 oct.
Quincy,new(Ill.)	9.5 E	760	54h	Data unverified.
Daviess County (Gallatin,Mo.)	1.1 W,RR N	930	16 S1	80 oct.Pole N.
Wiese Fly. Serv. (Lone Tree, Ia)	3.4 NNE		26 S2	80 oct. Hi-line N. Data unver

RADIO — ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASHBURN LFM	(- -)	LFM, 152°, 6.25	Chicago
BRADFORD (Int.)	382 (MQ)	MHT	(4)
CHICAGO	350 (CG)(116.1)	SBRAZ-VDTX,152°,2.2	(3),116.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
GLENVIEW (Navy)	269 (NBU)	MLZ-DT	(3): 140.58,142.74
Glenview NAS	236 (142.74) (140.58)	CN, 140°, 3	(3) 140.58;3117.5 on req.
HARVEY (Rubinkam)	385 (GH)	MLWZ, 90°, 2.2	
JOLIET	257 (JO)(116.1)	SBRAZ-VDT,126°,3.6.	(4); 116.1
NEWARK FM	(- - -)	FM, 246°, 49	Chicago
PEORIA	356 (PI)	SBMRAZ-DT,178°,2.3	(4)
ROCKFORD (Machesney)	338 (RD)(116.1)	SBRAZ-VDT, 45°,1.8	(4): 116.1
INDIANA			
LOWELL FM	(. . - -)	FM, 152°, 40	Chicago
McCOOL (Int.)	359 (ML)(116.1)	MHVT	(4); 116.1
McCOOL FM	(- - - -)	FM, 270°, 67	Goshen
WISCONSIN			
→ GENERAL MITCHELL (Milwaukee)	278 (118.5)	C	(4):118.5
GENESEE FM	(- - -)	FM, 279°, 25.3	Milwaukee
KENOSHA FM	(- -)	FM, 178°, 24.7	Milwaukee
MADISON (Truax)	400 (MA)(116.1)	BMLZ-VDT 314°,2.6	(4) :116.1
MILWAUKEE (Gen'l Mitchell)	242(MK)(116.1)	SBRAZ-VDT,352°,2.4	(3); 116.1

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105.4495,6210 kcs., (4)-3105,4495,6210,3117.5. kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ILLINOIS

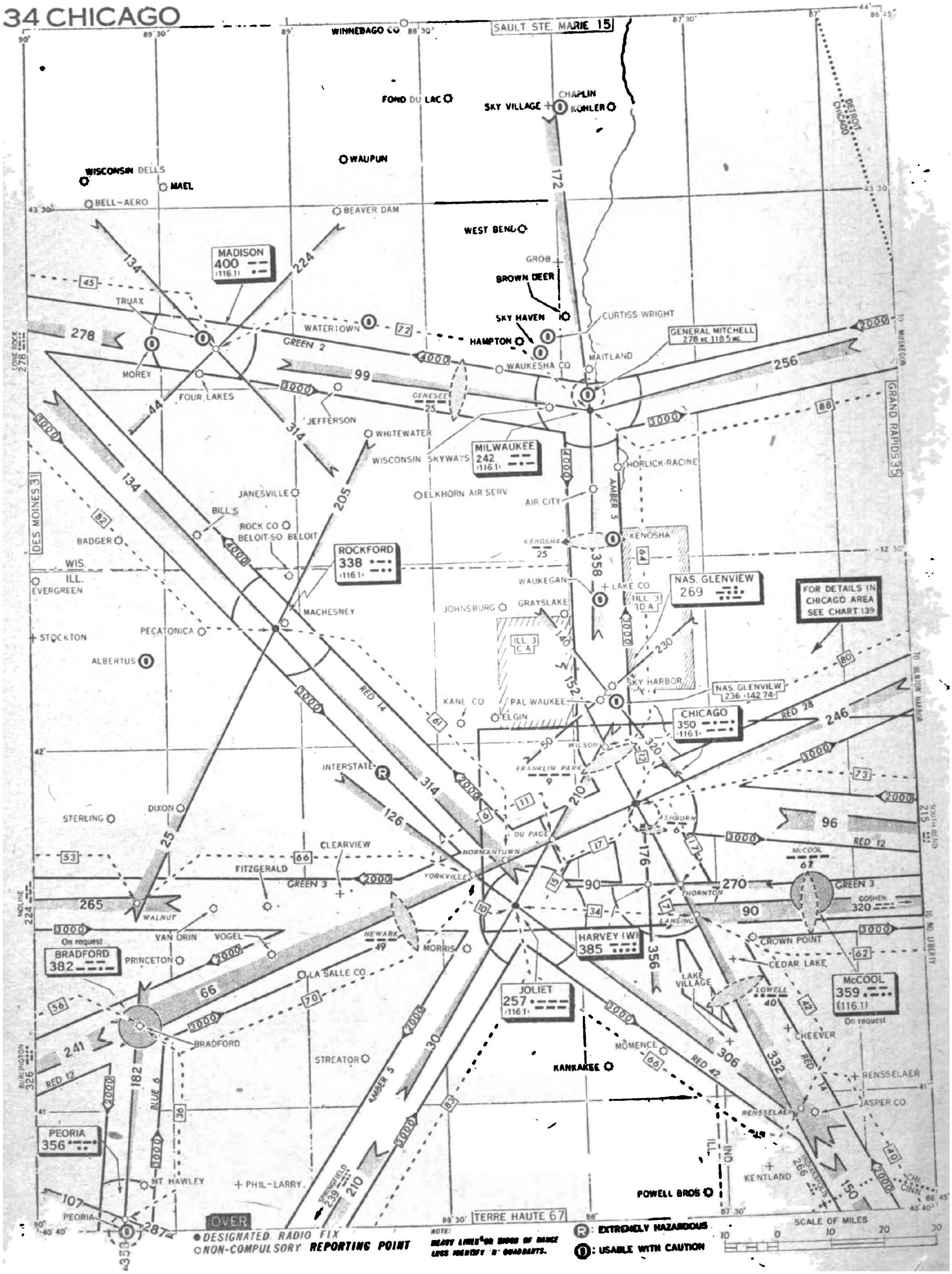
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Albertus (Freeport)	3.8 SE;RR S,W	740	33 S4	73 oct. Tank S.
Beloit-S.Beloit(S.Beloit)	1 S, RR E	772	35 S6	80 oct.Use strips.Pole line W.
★ Bradford Int,29,KC-CG	4.5 NNE	795	26 R1 L3 S1	80 oct. Pole line SW, NE.
Dixon	1.9 ESE;RR S	786	26 L3 S6	73 oct.No bndry lgts.Poles S,N.
Evergreen (Warren)	1.4 SSE;hwy S	1000	26 S1	80 oct. Trees W.
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct.Trees E.
(N) Glenview NAS (N)	1.6 NW;RR W,E	654	63h R2 L3 S6	91,100 oct. No sto. NAFC
Grayslake	1.1 ENE;rd W	791	26	Trees W, S, E.
Interstate (De Kalb)	1.8 E;RR W	900	42h	
Kane County (Elgin)	7 WNW;hwy E	910	22 S4	80 oct.Pole line E.
Kankakee	3.2 WSW;hwy E	625	26 S4	73,80 oct.Use strips only.Ditch N.
Kiswaukee(Sycamore)	2.1 SW;rd E	830	18	(NC)
La Salle Co.(Utica)	1.8 NNW;hwy S	619	12 S2	80 oct. Poles NE.
Machesney,7,CG-Twin Cities (Rockford)	6 NNE;riv W.	735	29 R1 L4 S6	73,80 oct. Pole line E.
Momence	3.5 SW;riv NW	645	23 S2	80 oct.Trees N,NW,NE.Riv N.
Morris	4.5 N;hwy W	590	21 S2	73 oct.Poles N,NNE.
Mt.Hawley (Peoria)	6.4 N;rds E,S	700	28 S6	80 oct.Pole line S, E.
Pal-Waukee(Glenview)	5.5 WNW;RR S	642	26 L3 S6	80,91 oct. Pole line N
Pecatonica	1 N;hwy E	750	24 S1	73 oct.Poles E.
PEORIA	4.8 WSW;rd E	659	44h R1 L1 S6	80,91 oct.Trees W,bldgs NE.
Phil-Larry (Roanoke)	4 W	747	23 S6	80 oct. Data not verified.
Powell Bros.(Sheldon)	2.2 S;hwy NE	650	20 S2	80 oct.
Sky Harbor (Northbrook)	1.6 NW,RR SE	680	26 S6	80, 91 oct. Port rnwy lgts.
Sterling	1.4 NW;hwy E.	645	25 L3 S4	80 oct.No bcn.Lgts prior req.
Stockton	2.3 SSE	940	18 S1	80 oct.Data not verified.
Streator Air Service	2 ENE,hwy S	650	26 S4	80 oct.Pole line E.
★ Van Orin Int,34,OH-CG	1 ENE;RR S	828	33 L3	Poles W.
Vogel (La Salle)	6.5 NNW;RR E	664	26 S2	80,90 oct.Soft when wet.Poles N,W.
Waukegan	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Will Co. (Steger)	0.5 S;RR W	740	15 S6	Pole line S, No sto,or fuel.

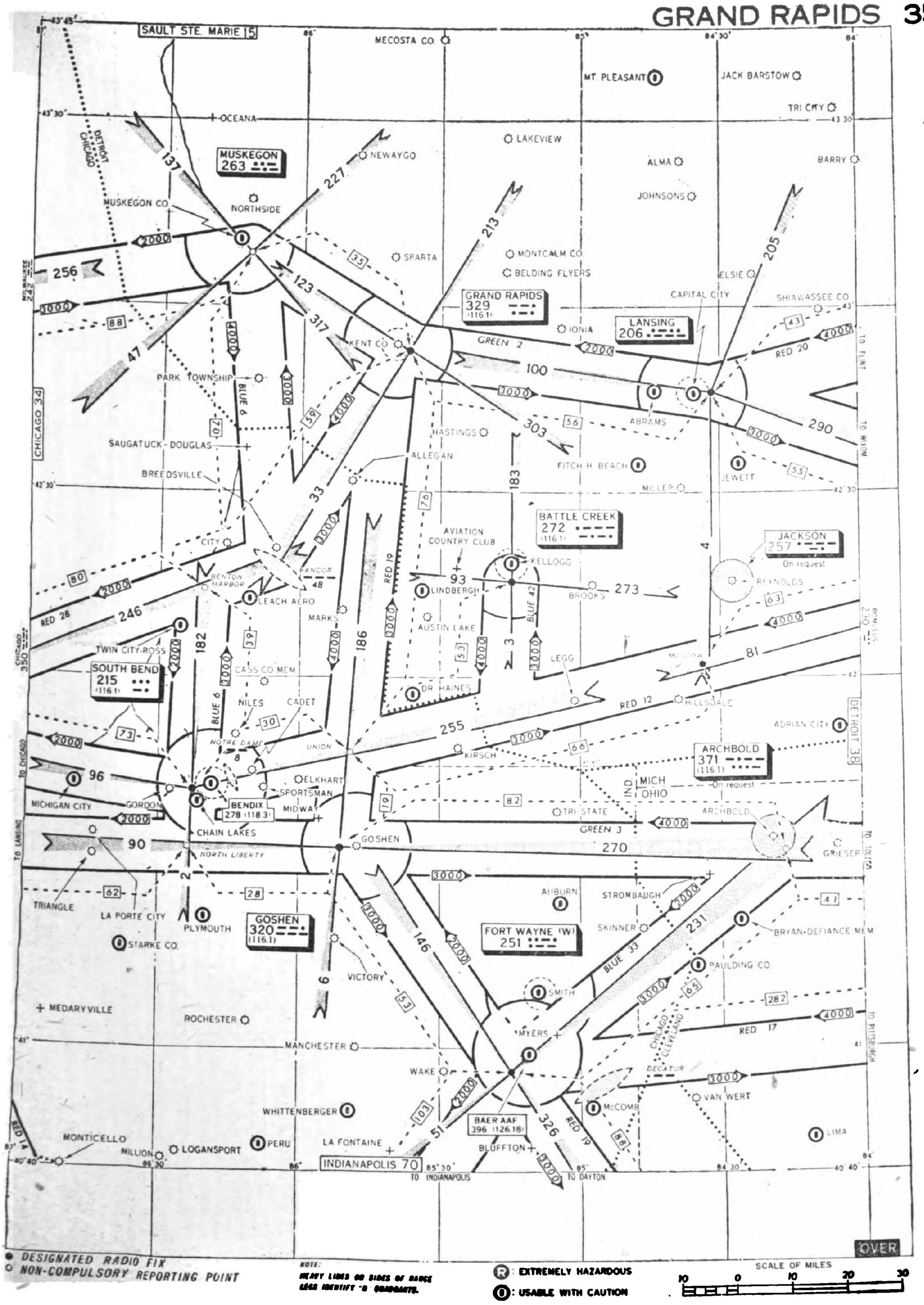
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII) (NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Princeton	3 N,creek N		18 S2	80 oct.Data unverified.
→ Elgin	2.2 N;hwy W	770	28 S1	80,91 oct.
→ Johnsburg Arpk	0.4 SSW;riv S	740	20 S4	80 oct.
INDIANA				
Cedar Lake	1.5 NNW;lake E	751	28 S4	73,80 oct.Data not verified.
Crown Point	1 N		30 S1	80 oct.Pole line E.Data not verified.
Jasper Co.(Rensselaer)	1.5 WNW;RR NE	676	28 L3	Pole line S; twr SW.
Lake Village	1 NW;hwy S	650	22 S2	80 oct. Data not verified.
WISCONSIN				
Air City(Sturtevant)	0.6 SE;RR E	633	25 S4	80 oct. Pole line NW.
Badger (Monroe)	1.8 SW;RR N	1080	20 S1	80 oct.
Beaver Dam Inc.	2 N;lake W	914	15 S1	80 oct.
Bell-Aero Service	4 NNW;hwy W	980	21 S4	80 oct. (Baraboo)
Brown Deer(Milwaukee)	10 NNW;RR E	681	20 L S4	80 oct.No sto.Pole lines N.
Curtis-Wright	9 NW;riv SW	750	30 S6	80 oct. (Milwaukee) Rnwy info unver
Elkhorn Air Service	1.5 N;hwy E	1000	13 S1	80 oct.Rough and rolling.
Fond du Lac	2.6 ENE	769	26 S2	80 oct. 50' hi-line N.Lake WNW.
GENERAL MITCHELL (Milwaukee)	6 S;RR E	675	50h R2 L4 S6	73-100 oct.
Horlick-Racine(Racine)	2 N;RRs E,W	665	25h L1 S6	80,91 oct. Trees N, SE.
Janesville	1.8 NNE;RRs NW	880	26 S4	80,91 oct. No sto 51'twr SE.
Kenosha	2 S;RR W	623	29 L S6	80, 91 oct.Flood lgts.
(P) Kohler	1 N;hwy S	647	30 L1 S6	80 oct.Obsts sur fld.
Mael (Portage)	1.6 NW;lake SE	820	26 S6	80 oct.Obsts sur fld.
Maitland(Milwaukee)	3 ESE;hwy W	590	25 S6	80,91 oct. Stack S.
Morey (Madison)	9 WNW;hwy E	928	34 S6	80 oct.30' pole line S.
(P) Rock Co.(Janesville)	4.5 SSW;RR W	807	54h L5 S2	80, 91 oct.
Skyhaven (Milwaukee)	10.5 WNW	800	26 S1	80 oct.Pole line N,trees E, S.
(A) TRUAX(Madison)	5 NE;hwy E	858	60h R1 L5 S2	80,91 oct.Fld lgts & Svcg not avail 0030-0730.
Watertown	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
Waukesha County	1.8 N;rd jct NW	904	31 S6	80 oct. Pole line S.
West Bend	2.5 E;riv S	880	20 L3 S6	80 oct. Poles sur fld.
(P) Winnebago Co.(Oshkosh)	2 SSW;RR NE	776	50h L1 S4	80 oct.No sto.Pole line NE,N,W.Rnwy unver.
Wisconsin Dells-Lake Delton(Lake Delton)	0.8 SE;riv NW	910	24 S6	80 oct.2 hills SW;trees,pole line NW,NE, and SE.
Waupun (Wisc.)	3.5 W;RR E	912	14 S1	80 oct.
Bill's (Broadhead)(Wisc.)	1.8 S;riv S,W	780	23 S1	80 oct.
Jefferson (Wisc.)	1.7 WSW;RR E	800	13	Pole line N.
Whitewater (Wisc.)	2 N;RR S	810	20 S1	80 oct.Poleline E,ENE,ESE;ridge E.
(P) Four Lakes (Madison)	3 SSE;lake N	881	30 S6	80 oct.Obst.lgts prior req. (Wisc.)
→ Chaplin Arpk(Plymouth, Wisc.)	0.5 N ;RR W		22 S2	80 oct. Data unver.
Grob (Cedarburg,Wisc.)	2 N	875	24 S4	Data unverified.
→ Clearview (Earlville,Ill.)	3 E;hwy S		18 S1	80 oct. Data unverified.
Cheever (Demotte,Ind.)	3 W		29 S1	80 oct. Data unverified.
Kentland (Ind.)	6 ENE		19	Data unverified.
Rensselaer (Ind.)	10 NE		18	Data unverified.
Sky Village(Plymouth) (Wisc.)	1.8 WNW	900	18 S1	80 oct. Unverified.
Lake County(Waukegan,Ill.)	4.4 NNW	718	40 S6	80,91 oct.Data unverified.
→ Wisconsin Skyways (Hales Corner,Wisc.)	0.7 SSE;hwy W	770	21 S2	80 oct. Trees SW

34 CHICAGO


SAULT STE. MARIE 15
WINNEBAGO CO
FOND DU LAC
SKY VILLAGE
CHAPLIN
KOHLER
WAUPUN
WISCONSIN DELLS
MAEL
BELL-AERO
BEAVER DAM
WEST BEND
GROB
BROWN DEER
SKY HAVEN
HAMPTON
CURTISS-WRIGHT
GENERAL MITCHELL
278 118.5
MAITLAND
WATERTOWN
GREEN 2
WAUKESHA CO
MADISON
400
116.1
TRUAX
MOREY
FOUR LAKES
JEFFERSON
WHITEWATER
GENESEE
25
MILWAUKEE
242
116.1
WISCONSIN SKYWAYS
HORLICK-RACINE
AMBER 5
AIR CITY
ELKHORN AIR SERV
JANESVILLE
BILL'S
ROCK CO
BELOIT-SO BELOIT
BADGER
KENOSHA
ROCKFORD
338
116.1
WAUKEGAN
LAKE CO
NAS. GLENVIEW
269
FOR DETAILS IN CHICAGO AREA SEE CHART 139
EVERGREEN
MACHESNEY
JOHNSBURG
GRAYSLAKE
STOCKTON
PECATONICA
ALBERTUS
SKY HARBOR
NAS. GLENVIEW
236 142.74
KANE CO
PAL-WAUKEE
ELGIN
CHICAGO
350
116.1
WILSON
FRANKLIN PARK
INTERSTATE
DU PAGE
ASHBURN
STERLING
DIXON
CLEARVIEW
FITZGERALD
NORMANTOWN
YORKVILLE
McCOOL
67
GOSHEN
320
THORNTON
LANSING
HARVEY (W)
385
CROWN POINT
CEDAR LAKE
LAKE VILLAGE
LOWELL
40
McCOOL
359
116.1
On request
WALNUT
VAN ORIN
VOGEL
NEWARK
49
MORRIS
PRINCETON
BRADFORD
382
On request
LA SALLE CO
JOLIET
257
116.1
MOMENCE
KANKAKEE
CHEEVER
RENSSELAER
JASPER CO
STREATOR
MT HAWLEY
PHIL-LARRY
PEORIA
356
POWELL BROS
KENTLAND
TERRE HAUTE 67
SCALE OF MILES
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
EXTREMELY HAZARDOUS
USABLE WITH CAUTION


SAULT STE. MARIE 15
MECOSTA CO.
MT. PLEASANT
JACK BARSTOW
TRI CITY
OCEANA
LAKEVIEW
NEWAYGO
ALMA
JOHNSONS
BARRY
MUSKEGON
263
MUSKEGON CO.
NORTHSIDE
SPARTA
MONTCALM CO.
BELDING FLYERS
ELSIE
GRAND RAPIDS
329
CAPITAL CITY
SHIAWASSEE CO.
LANSING
206
IONIA
KENT CO.
GREEN 2
RED 20
PARK TOWNSHIP
BLUE 6
ABRAMS
HASTINGS
SAUGATUCK-DOUGLAS
ALLEGAN
FITCH H. BEACH
JEWETT
BREEDSVILLE
MILLER
BATTLE CREEK
272
AVIATION COUNTRY CLUB
JACKSON
257
On request
KELLOGG
REYNOLDS
CITY
BENTON HARBOR
BANGOR
LEACH AERO
LINDBERGH
BROOKS
RED 28
RED 19
BLUE 42
MARKS
AUSTIN LAKE
TWIN CITY-ROSS
SOUTH BEND
215
CASS CO. MEM.
DR. HAINES
LEGG
NILES
CADET
NOTRE DAME
UNION
HILLSDALE
RED 12
ADRIAN CITY
KIRSCH
ARCHBOLD
371
ELKHART
SPORTSMAN
MIDWAY
BENDIX
278
MICH
OHIO
IND
MICHIGAN CITY
GORDON
CHAIN LAKES
TRI-STATE
GREEN 3
NORTH LIBERTY
GOSHEN
AUBURN
STROMBAUGH
TRIANGLE
LA PORTE CITY
PLYMOUTH
GOSHEN
320
STARKE CO.
FORT WAYNE (W)
251
SKINNER
BRYAN-DEFIANCE MEM.
PAULDING CO.
VICTORY
SMITH
MEDARYVILLE
ROCHESTER
MANCHESTER
MYERS
CHICAGO CLEVELAND
DECATUR
VAN WERT
WAKE
WHITTENBERGER
BAER AAF
396
McCOMB
LIMA
MONTICELLO
MILLION
LOGANSPORT
PERU
LA FONTAINE
BLUFFTON
INDIANAPOLIS 70
TO INDIANAPOLIS
TO DAYTON
TO FLINT
TO SAGINAW
TO CHICAGO
TO LANSING
TO PITTSBURGH
TO DETROIT
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO — INDIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAER, FORT WAYNE	396 (126.18)	CA(ILS)	(3);142.74,126.18
BENDIX, (South Bend)	278 (118.3)	C	(4);118.3,126.18,131.9
DECATUR FM	(- -)	FM, 148°, 24.7	Ft. Wayne
FORT WAYNE (Baer Fld)	251 (FW)	MRLWZ; 51°,3.5	
GOSHEN	320(GQ)(116.1)	SBRAZ-VDT,89°,2.7	(4); 116.1
NOTRE DAME LFM	(- -)	FM, 75°, 8.2	South Bend
SOUTH BEND (Bendix)	215(SN)(116.1)	SBMRAZ-VDT,76°,3.3	(3);116.1

RADIO — MICHIGAN

BANGOR FM	(- - -)	FM 213°, 48	Grand Rapids
BATTLE CREEK (Kellogg)	272(JC)(116.1)	BMLZ-VDT, 3°, 3.2	(4);116.1
GRAND RAPIDS (Kent County)	329(GR)(116.1)	BMRLZ-VDT,305°,2.2	(4);116.1
JACKSON (Reynolds)	257 (JN)	MMT	(4)
LANSING (Capital City)	206 (LJ)	SBMRAZ-DT,280°,3	(4)
MUSKEGON (Muskegon County)	263 (UK)	BMLZ-DT,317°,2.8	(4)

RADIO — OHIO

ARCHBOLD (Int)	371(YV)(116.1)	MHVT	(4); 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAER, IND.	110.3		314° Mag.	IM (4.05)	MM ····· (1.05)	OM - - (4.55)
					MMK	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — INDIANA

AIRPORT — CITY NAME	LOCATION	EL.	CLASS	REMARKS
Auburn	1.3 NNW;RR E	872	27 S2	73,80 oct.Trees sur fld.
(A) BAER (FORT WAYNE)(A)	7 SSW;RR E	798	63h R3	INACTIVE
(A) BENDIX (SOUTH BEND)	3.5 NW;hwy S	778	48h R2 L3 S6	80-100 oct.Poleline S,N.
Cadet (South Bend)	6.5 NE;RR E	730	33 S4	80 oct.Twr W;poleline E
Chain Lakes (South Bend)	5.2 W;hwy N,S	765	22 S3	80 oct.
Culver (NC)	2 E;lake W	815	26	
Elkhart	2.7 NNW;RR S	752	27 S6	73,80 oct.Hedge N.
Gordon (New Carlisle)	2.8 ESE;hwy N	730	13 S1	Fuel avail.Poles E.
Goshen	4.5 SSE;riv SW	823	39 R1 L3 S6	80,91 oct.
La Porte City	2.5 SSW;RR W	801	29 L3 S6	80 oct.Pole line E.
Logansport	4.4 SSW;hwy E	605	27 L S1	80 oct.Port rnwy lgts.Poles E,N
McComb (Decatur)	0.9 NW;hwy E	800	20 S4	80 oct.Poles S.
Manchester (No. Manchester)	1.5 W;RR E	752	21	Poles S.
Michigan City	4 E;RR N	650	24 S1	80,91 oct.Pole line E,W,S.
Million (Logansport)	7 SW;riv 2 N	594	15	Pole S.
Monticello (Chalmers)	3 ENE,RR,hwy W	650	26 S2	80 oct.
Peru	3.5 WSW;riv E	740	38 S5	80 oct.
Plymouth	1.5 NW;RR E	898	32 S4	80,91 oct.Poles W,E.
Rochester	1.5 E;RR N	779	18 S4	73 oct.Lake S.Poles N.
Smith (Fort Wayne)	4.5 N;RR E	831	35h L4 S5	80 oct.No storage.
Sportsman (Mishawaka)	3.7 NE;riv S	760	18 S4	73 oct.No storage.Poles E,S.
Starke Co. (Knox)	1.7 S		26 S3	80 oct.Pole lines sur fld.No storage.Data not verified.
Triangle Air Service (Wellsboro)	2 NNE;hwy S	800	22 S2	80 oct.Poles S,SE,ESE.
Tri State (Angola)	4.2 W;lake W	900	30 S4	73 oct.
Victory (Warsaw)	4 N; RR E	790	24 S2	Ltd 73 oct.Obsts sur fld.
Whittenberger (Wabash)	1.5 NNW;hwy E	770	20 S2	80 oct.
Myers (Ft. Wayne)	4 SE		24 S2	80,91 oct. Pwr lines NE.Data
La Fontaine	5 NE;hwys N,W		19 S4	80 oct.Data unverified. unver.
Bluffton	0.2 S		31	Unverified.
Medaryville	1.1 NW	645	24 S1	80 oct. Data unverified.
Midway (Goshen)	5 NW		36	Unverified.

AIRPORTS — MICHIGAN

Abrams (Grand Ledge)	1 NE	844	26 S1		80 oct.Pwr line S,W.Data unver.
Adrian City	3 SW; RR N	800	25 S6		80,91 oct. Obsts sur fld.
Allegan	1.9 E;RR S	701	21 S4		80 oct.Pole line N,E,S,Blocked.
(P) Alma	1.3 NE;riv SE	750	32 S6		80 oct.Poles W.
Austin Lake (Kalamazoo)	8.5 SSE;lake N	860	27 S4		80,91 oct.Poles N
Barry (Saginaw)	3 WSW;riv S	599	19 S4		80 oct.
Belding	2.1 W;RR E	790	27 S4		73 oct.Poles S.
Breedsville Airpark	0.6 WNW;RR E	654	23 S4		73 oct.No Sto.Pole line NE,S,SW.
Brooks (Marshall)	1.3 S;riv N	950	26 L3 S6		80 oct.Trees W,lgtd.
CAPITAL CITY (LANSING)	3.8 NW;RR S	857	42h R1 L4 S6		73,80 oct.
Cass Co. Mem. (Dowagiac)	1 NW;RR SE	760	27 S2		73,80 oct.Pole line E.
City (South Haven)	4 S;RR W	640	30 S4		73 oct.Trees W.
Elsie	0.3 SSE;RR NNE	730	19 SL		80 oct.Pole lines sur fld.
Fitch H. Beach (Charlotte)	1.8 ENE;RR NW	880	25 S6		73 oct.No storage.
Haines (Three Rivers)	2.3 NE;riv SE	820	26 S1		80 oct.Poles N,S.
Hastings	3.2 WNW;RR SW	802	34 S3		80 oct.Pole line N.
Hillsdale	1.6 NW;RR E	1160	19 S4		73,80 oct. No sto.Poles NE,E.
Ionia	3 S;hwy W	810	24 S6		73 oct.Poles NW.
Jack Barstow (Midland)	1.4 ENE;RR S	634	27 S2		73,80 oct.Poles NE.
Jewett (Mason)	1.3 SE;RR W	920	22 S2		73 oct.Poles W.
Johnsons (Ithaca)	1 ENE;RR S	750	17 S2		80 oct.Ltd storage.
KELLOGG (BATTLE CREEK)	3 WSW;RR bed W	936	62h R1 L5 S6		80,91 oct.Fld lgts prior req
KENT COUNTY (GRAND RAPIDS)	3.5 S;RR NE	681	44h R1 L3 S6		73,80,91 oct.Pole line NW,SE. Radio repairs.
Kirsch (Sturgis)	1 NW;RR E	922	24 S4		80 oct.Poles S.
Lakeview	1.1 NNE;lake S	900	19 S6		80 oct. Poles N.
→ Lesch Aero Service(Hartford)	1 NNW;RR E	830	22		
(P) Legg (Coldwater)	1.3 NW	982	32 S2		80 oct.Trees E.
(P) Lindbergh (Kalamazoo)	4 SSE;RR E	872	40h S6		80,91 oct.Poles S.
Marks (Lawton)	1 N;RR S	770	25 S4		73,80 oct.Poles W,ENE.
Montcalm Co. (Greenville)	2.5 S;RR E	800	22 S1		80 oct.
Mt. Pleasant	2.2 NE;RR W	755	36 S4		80 oct.
(P) MUSKEGON COUNTY	3.5 S;lake N	627	40h R1 L3 S6		73,80,91 oct.
Newaygo	0.8 SSE;RR NNW	785	20 S1		80 oct.
Niles	1.5 NE;RR NW	740	24 S2		73,80 oct.Trees N,S.
Northside (Muskegon)	5.4 NNE	590	29 S4		73 oct.No sto.Refinery SW.
Park Township (Holland)	3 WNW;bay S	612	27 L4 S6		73,80 oct.No beacon,Lgts prior req.
(P) Reynolds (Jackson)	2.5 WNW;RR S	990	40h R1 L5 S4		80,91 oct.No sto.Pole line SE,SW.
St.Joseph Co.(Centerville)	5 SE;RR,hwy N	830	15		Pole line N,trees W. (NC)
Shiawassee Co. (Owosso)	2 E;riv S	740	24 S1		80 oct.Poles sur fld.
Sparta	2.7 SE;RR W	752	25 S4		73,80 oct.Poles sur fld.
Tri-City (Saginaw)	10 NW;RR SW	660	57h		
Twin City-Ross (Benton Harbor)	1.5 NNE;RR S	640	38h S6		73,80 oct.
White Cloud (NC)	0.5 N	872	18		Twr SE;poles E,W.
Oceana (Rothbury)	1 W;Lakes NE		30 S2		80 oct. Data not verified.
Mecosta Co.,5,GR-TG	1.5 NW;RR E	928	39 L3 S4		80,91 oct. (Big Rapids)
Saugatuck-Douglas(Douglas)	2 S;hwy W.		26 S1		73 oct. Data unverified.
Miller (Eaton Rapids)	1 ENE;RR W	908	21 S6		73 oct.No sto.
→ Avia.Country Club(Galesburg)	2.5 W		19 S4		80 oct. Data unverified.

AIRPORTS — OHIO

* Archbold Int,18,CQ-LQ	3.5 NNW;RR N	716	28 R1 L3		
Bryan-Defiance Memorial (Defiance)	5.2 NW;riv E	705	31 S2		73,80 oct.Pole line S,E.
Grieser (Wauseon)	2.5 E;RR N	750	24 S1		80 oct.
(P) Lima	4 WNW;RR N	830	42 S6		80,91 oct.Pole line N.
Paulding County (Paulding)	2.5 NE;RR W	720	26 S2		80 oct. Poles S.Data not verif.
Skinner (Hicksville)	1.6 NNW;RR S	810	26 S1		73 oct.Obst sur fld.
Van Wert	1WSW;hwy S	785	26 S6		80,91 oct. Poles N,S,NW,NE
Wake (Huntington) Ind.	4 N;hwy E	750	30 S2		80 oct.Trees NE.
→ Stombaugh (Bryan,Ohio)	0.5 S		24 S4		80 oct.No sto.Fence E;Wire W. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISHOP (Flint)	278	C	(4)
DETROIT CITY (Detroit)	278	C	(4)
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
DETROIT	201 (D)	K; 329°,2.2	Detroit City Arpt.
FLINT	335 (FN)	MHT	(3)
ROMULUS	230(DT)(116.1)	SBRAZ-VDT	(3);116.1
→ Romulus AAF	219 (126.18)	CA(ILS);86°,2.5	(4); 126.18(7-19)
SAGINAW	212 (SI)	MHT	(4) (6-22)
SALINE FM	(- - -)	FM, 261°,20	Romulus
SELFRIDGE (Mt.Clemens)(Army)	388 (DLD)	SBMRAZ	(3); 126.18
Selfridge Field	396 (126.18)	CA(ILS);119°,2	(3) only
WIXOM FM	(- - - -)	FM, 344°,20	Romulus
YPSILANTI (Willow Run)	414 (DYP)	MH; 360°,0.5	Oper cont.
Willow Run Airport	332 (118.7)	CI	(4);118.7 (8-24)

OHIO

→ AKRON	362(AX)(116.1)	BMRLZ-VDT	(3);116.1
Akron Airport	272 (126.18)	C; 45°,0.4	(4);116.1,131.9,126.18
AKRON LFM	(-)	LFM, 45°,4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 325°,8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM, 201°,10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°,13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDTX,100°, 0.7	(3);116.1
ELYRIA FM	(- - -)	FM,280°,10.9	Cleveland
FINDLAY	209 (JP)	MH	(4)(cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4)(cont.)
HOMERVILLE FM	(. . -)	FM, 31°,83	Columbus
NORTH ROYALTON LFM	(- -)	LFM,145°,10.8	Cleveland
PERRY (Int.)	332(PE)(116.1)	MHVT	(4); 116.1
PORT CLINTON	275(PY)(116.1)	MHVT	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-VDT	(3); 116.1
Toledo Airport	263	C; 10°,2.7	(4)
VERMILION FM	(. . - - -)	FM, 280°,26	Cleveland

CANADA

→ WINDSOR, ONT.	353(QG)	BRAZ-T: 243°,3.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ROMULUS AAF, MICH.	109.9		50° Mag.	IM (.07)	MM ·····(.98)	OM - - (4.27)
					MMK	OMK
SELFRIDGE, MICH.	109.5	332.6	184° Mag.	IM (.23)	MM ·····(.81)	OM - - (4.31)
					MMK	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

MICHIGAN

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE; RR W	1020	26 S6	80 oct, Trees S, SW, SE.
Ann Arbor	4 S; RR E	835	28 L2 S6	80 oct, Trees NE.
Baker's (Port Huron)	3 NNW; RR NNE	585	24 S6	80 oct. Poles N, S, NE.
Berz (Birmingham)	1.5 E; RR SW	700	25 S1	73,80 oct. Pole line N.
Big Beaver	0.8 E; hwy W	650	21 S4	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW; RR NW	781	50h R2 L5 S5	80,91 oct.
Burns (Detroit)	8.5 WSW; RR N	625	19 S6	73 oct.
Caro	3 WSW; RR SE	699	22 S2	80 oct. Poles E.
Center (Armada)	2.3 W; RR S	666	25 S1	80 oct. Pole line NNE.
Croswell City	1 W; RR, riv E	732	25 S2	80 oct. Trees S, E. Rcv req
(M) Detroit NAS (M)	17 SSW	594	47h R1 L5 S6	91,100 oct. ARPT OF ENTRY
DETROIT CITY (Detroit)	5.5 NE; RR S	625	53h R1 L4 S6	73,80,91 oct. Tank W side.
Ford (Detroit)	8.8 SW; RR N	600	37h	PRIVATE.
Forrest (Fostoria)	2.4 S; riv SE	830	26 S1	80 oct. Pole line sur fld.
Hance (Wyandotte)	2.5 W; hwy W	590	33 S6	73 oct. No sto.
Hartsell Air Term.(Wayne)	3.5 NW; RR E	675	18 S6	80 oct. No sto.
Howell	0.8 N; lake E	930	20 L1 S1	73 oct.
James Clements (Bay City)	3.5 S; riv S, W	599	36 S4	80 oct.
Nan-Bar (Flat Rock)	0.7 ENE; RR N	590	28 S6	80 oct. Smudge pots prior req. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted).

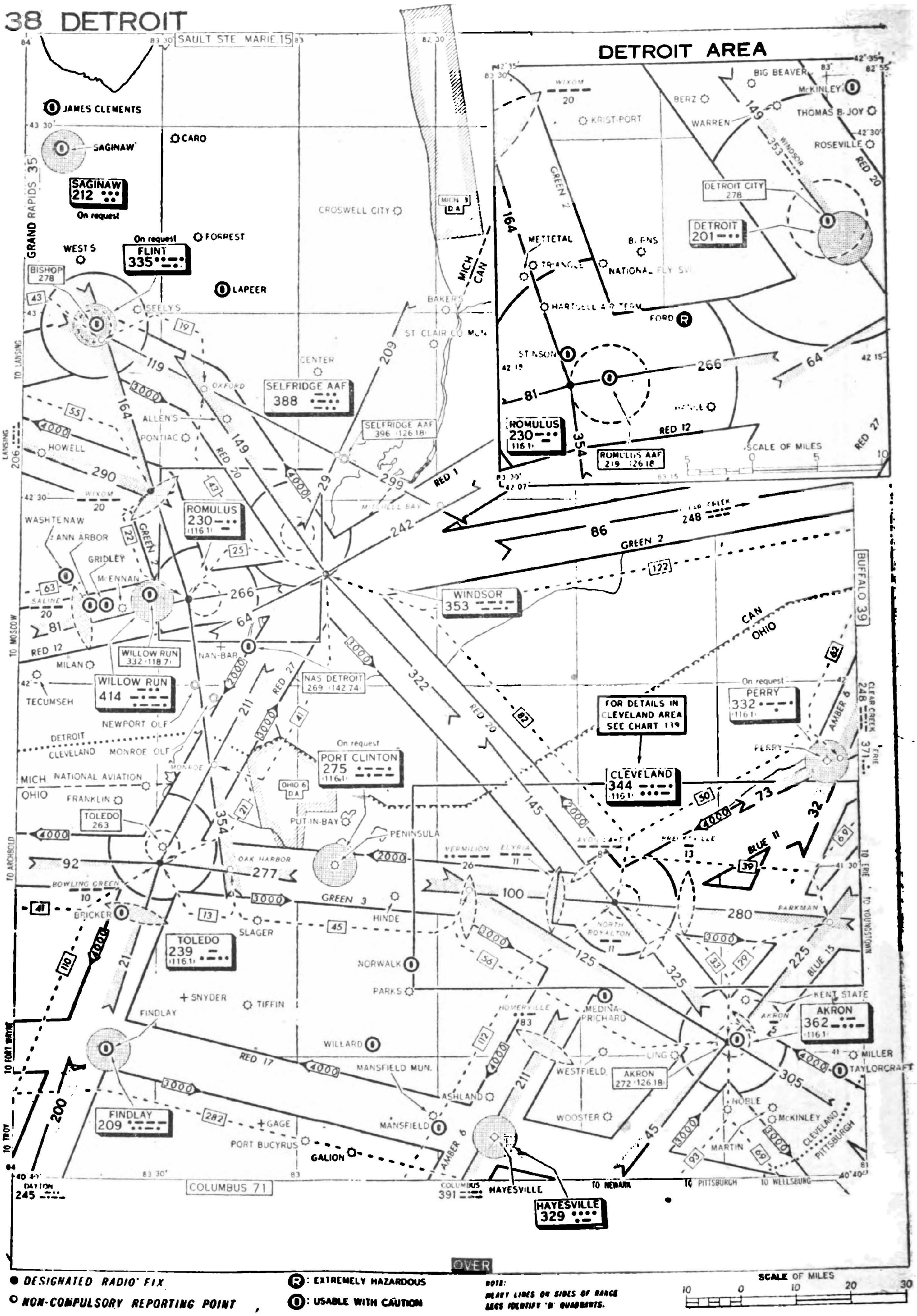
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Krist-Port (Farmington)	3.8 N; jct rds	860	27 S6	73,80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE; RR S	830	32 S6	80 oct. No sto. Poles NW.
McEnnan (Ypsilanti)	2.7 SSW; rd E, S	738	23 S4	80 oct.
McKinley (Fraser)	1.3 NW; RR E	620	27	Pole line E, NE.
Mettetal (Plymouth)	1.5 SSE; RR E	700	23 S6	73,80 oct. Poles N, W.
Milan	3.8 SW; RR SE	705	23 S2	73 oct. Pole line N.
(N) Monroe OLP (Newport)	3.5 SSE; hwy SE	590	29 S4	73 oct. No sto.
Nat'l Fly. Serv.(Detroit)	11.5 WSW; RR N	635	30 S4	73 oct. No sto. Poles NE, NW.
(N) Newport OLP (N)	3 W	608	20h	
Pontiac	6.4 WNW; RR NE	970	21h L4 S6	80,91 oct. Poles S.
(A) Romulus AAF (A)	3 E; RR N	630	61h R3	ARPT OF ENTRY INACTIVE.
→ Saginaw	4.5 E; RR N	601	33 R1 L4 S4	80,91 oct. Poles S, SE, SW.
St. Clair Co.(Port Huron)	5.5 SW; hwy S	650	23 L1 S5	80 oct. Poles NE, SE, SW, NW.
Seeley's (Davison)	4 WSW; RR N	780	20 S6	80 oct. No sto. Poles N.
(A) Selfridge(Mt. Clemens)(A)	3 E; lake NE	583	60h R3 L5 S6	73,100 oct. JP-1 Poles E. FOREIGN CLEARING STATION.
Stinson (Wayne)	1.4 SW; RR E	660	25h S1	80 oct. Hi-line N, NE.
Tecumseh	1.8 NNE; RR W	815	26 S6	73 oct. Pole line S.
Thomas B.Joy (Detroit)	13 NE; hwy E	616	24 S6	73,80 oct. No sto. Trees SW.
Triangle (Plymouth)	1.5 ESE; hwy S	700	26 S4	80 oct. 30' poles N.
Warren	1.6 WNW, RR E	625	23 S1	73 oct. Pole line N.
West's (Clio)	4 SW; RR E	690	21 S1	73 oct. Pole line E, NE.
Willow Run (Ypsilanti)	4 E; RR N; riv S	710	74h R2 L5 S1	90,100 oct. Rdo rec req.
Wings (Utica)	2.5 SW; RR E	630	26 S6	73,80 oct. Poles N; stumps NW No sto.
Roseville	0.5 S; hwy W	610	29 S6	73,80 oct. Poles S, SW.

OHIO

(P) AKRON	3.4 SE; RR W	1043	44h R2 L5 S4	80,100 oct. No sto. ARPT OF ENTRY.
Ashland	1.8 N	1079	23 S2	73,80 oct. Pole line W.
Bricker (Bowling Green)	1 NE; RR W	675	30 S4	80 oct.
Coons (Nevada)	0.3 NE; RR S		21 S2	80 oct. Data not verified.
Fenwick (Kellys Island)	1.3 NE	600	18	(NC)
Findlay	1.5 SSW; hwy NW	800	27 R1 L5 S4	80 oct.
Franklin (Toledo)	4.5 WNW; RR S	630	32 S4	80 oct. Pole line all sides.
Gage (Mansfield)	4.5 W; RR SE	1360	13 S2	73 oct.
Galion	1.5 WNW; RR SE	1155	18 S2	80 oct.
* Hayesville Int,27,LV-CV	2.5 WNW; hwy S	1300	30 R1 L3	
Hinde (Sandusky)	2.8 E; RR S	574	30 S6	73 oct. Poleline S. ARPT OF ENTRY
Kent State	2.8 W; RR S	1120	36 S4	80 oct. No sto. Pole line N.
Ling (Barberton)	3 WSW; RR N	1150	30 S6	80 oct. Obsts sur fld.
McKinley (Canton)	2.3 NE; hwy SE	1100	32 S4	80 oct. Poles N, S, E.
→ Mansfield (old)	3.8 N; RR E	1300	26h L S6	73,80 oct. Pole line SW, W.
Martin (Canton)	4 NNE; hwy SE	1080	30 L S6	80 oct. Pole line sur fld.
Medina Prichard (Medina)	3 WNW; RR NW, SE	1060	29 S6	80 oct. No sto. Poles S. Rnwys unver.
Miller (North Benton)	1.5 W; RR SE	1070	28 S4	73 oct. Poles S.
National Aviation(Toledo)	4.1 NNE; RR E	595	38 S6	91 oct. Pole line S, W, NNE.
Noble (Massillon)	4.5 NNE; hwy W	1080	22 S6	80 oct. No sto. Pole SSW.
Norwalk	0.8 NE; RR W	700	18 S2	73 oct. Pole line W.
" Airpark (NC)	2 NNE; RR W	690	29 S2	73,80,91 oct. Poles W, SW.
Parks Airpark (Norwalk)	4.5 S; hwy E, W	880	29 S1	80 oct. Poles E.
Peninsula (Port Clinton)	3.5 E; RR S	587	36 R1 L3	
★ Perry Int,4B,CV-A7	2.3 NE; RR S	692	26 R1 L3	Poles E.
Port Bucyrus (Bucyrus)	2 S; RR NW, E	1000	26 S6	80 oct. Poles E. ARPT OF
Put-In-Bay	1.2 SSW	590	16	Poleline NW. PRIVATE. ENTRY.
Sleger (Fremont)	2 NW; RR SW	630	19 S6	73,80 oct. No sto. Poleline
Snyder (Fostoria)	1 E; reservoir SSW		32 S1	80 oct. Data unver. N, E, SE.
Taylorcraft (Alliance)	2.5 NNE; RR SE	1170	22h S5	80 oct. No sto. Poles sur fld.
Tiffin	1.9 N; RR W	750	26 S4	80 oct. Poles E.
TOLEDO	8.2 SSE; RR W	621	42h R2 L5 S4	73,83,91 oct.
Wellington	Adj NW; RR W	850	20 S2	80 oct. Stacks NE. Data unver.
→ Westfield (LeRoy)	1.2 SSE; RR E, S	1030	25 S4	80 oct. Pole line W. Rnwy data unver
Willard	1.6 SSW; RR NE	960	22 S2	80 oct. Poles W.
(F) Wooster	3 NNE; hwy SE	1150	32 S6	80 oct. Poles S, SE.
→ Mansfield, mun (new)	5 N	1300	56h S1	73,80,91 oct.
Washtenaw (Ann Harbor)(NC)	5 W		26 S2	80 oct. Hi-line S. Data unver
→ Gridley (Ypsilanti, Mich.)	4.4 WSW; RR NW	840	24 S5	80 oct. Pole E; woods N.

→ NEW OR REVISED DATA.

38 DETROIT



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

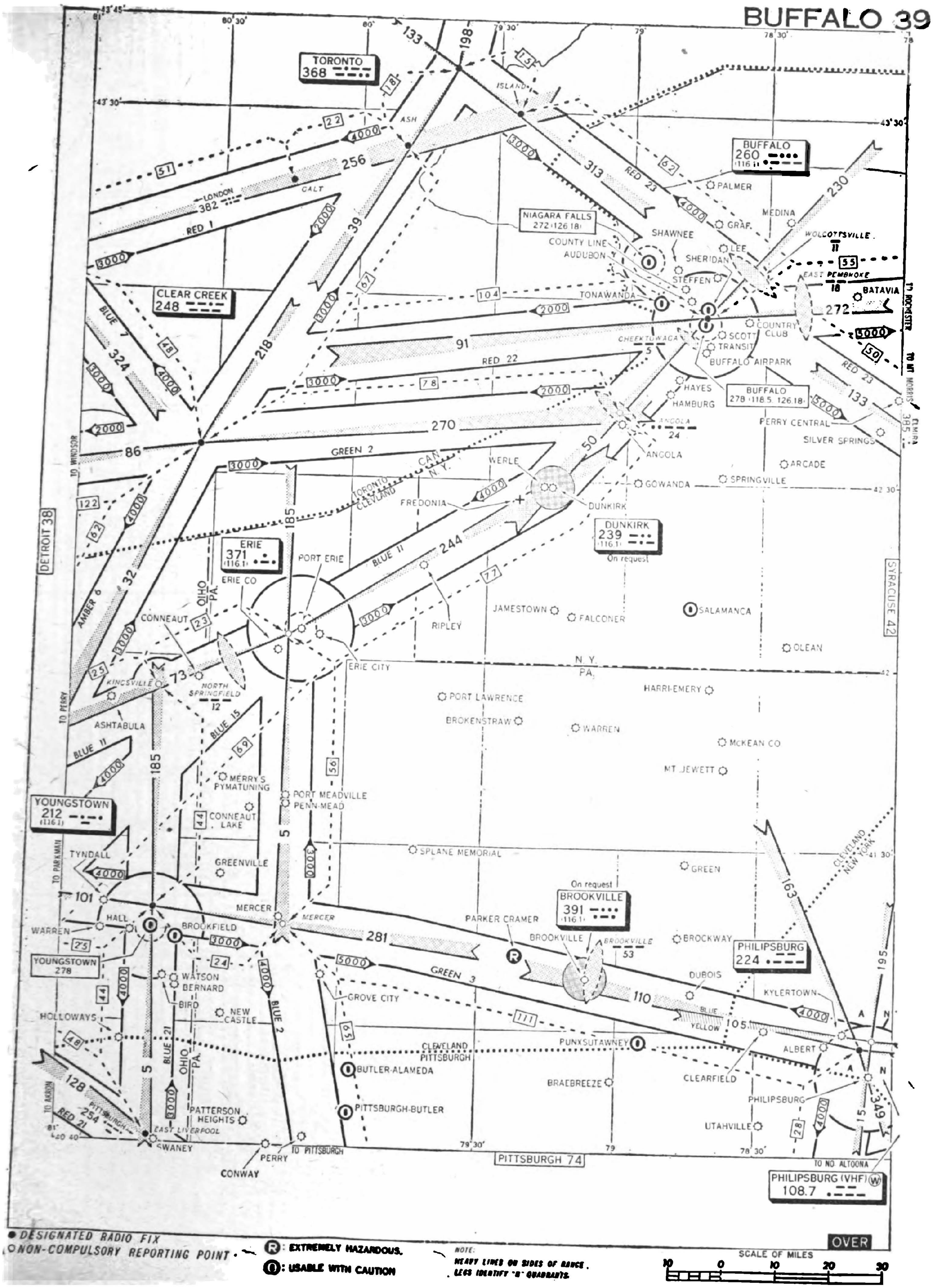
Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS INDICATE "B" QUADRANTS.

SCALE OF MILES
10 0 10 20 30

BUFFALO 39



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS.
Ⓠ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE.
LEGS IDENTIFY "R" QUADRANTS.

SCALE OF MILES
10 0 10 20 30

OVER

RADIO — NEW YORK

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANGOLA FM	(. . - - -)	FM, 230°, 24	Buffalo
BUFFALO	260(BJ)(116.1)	SBRAZ-VDT	(3); 116.1
Buffalo Airport	278 (126.18) (118.5)	AC;230°,0.9	(4);118.5,126.18,131.9
CHEEKTOWAGA LFM	(- - -)	LFM,239°,4.7	Buffalo
DUNKIRK	239(DK)(116.1)	MHVT	(4); 116.1
EAST PEMBROKE FM	(- -)	FM, 86°, 17.5	Buffalo
→ NIAGARA FALLS AIRPORT	272 (126.18)	CI	(4);126.18 (8-20)
WOLCOTTSVILLE FM	(-)	FM, 50°, 11	Buffalo

OHIO

→ YOUNGSTOWN	212(CT)(116.1)	BMRLZ-VDT	(4);116.1
→ Youngstown Airport	278	CI; 185°,3.5	(4); (630-2030)

PENNSYLVANIA

BROOKVILLE FM	(- - -)	FM, 290°, 53	Philipsburg
→ BROOKVILLE (Int.)	391(BR)(116.1)	MHV	(4);116.1
ERIE (Port Erie)	371(ER)(116.1)	SBMRAZ-VDT,64°,2	(4); 116.1
NORTH SPRINGFIELD FM	(- - -)	FM, 253°, 12	Erie
PHILIPSBURG	224 (MJ)	SBRAZ-DT,169°,5	(4)
PHILIPSBURG	108.7 (MJ)	VARW	

CANADA

→ CLEAR CREEK, ONT.	248 (QO)	BRAZ-T	(4)
→ TORONTO, ONT.	368 (YZ)	SBRAZ-TX	3105,6210,3117.5

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — NEW YORK

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Angola	1.4 N;RR SE	610	15 S1	80 oct.
Arcade	2 N;RR E,W	1740	22 S4	Ltd 80 oct.No storage.
Audubon (Getzville)	1.7 SSW;RR N,SW	580	19 S6	80 oct.
(P) Batavia	2.4 NNE;rd W	910	30 S6	80 oct.Pole line W.Trees E.
Buffalo Arpk (Gardenville)	1.5 ENE;rd S	680	27 S6	80 oct.
(N) BUFFALO	6.1 ENE;RR NE	712	56h R2 L6 S6	80-100 oct.ARPT. OF ENTRY.
Country Club (Clarence)	2.3 SSE;RR S	800	36 L S6	80 oct.Trees SW.
County Line (No.Tonawanda)	3.4 E;RR SW	577	21 S4	80 oct.
(P) Dunkirk	3 E;RR N,S	692	40h R1 L5 S2	80 oct.
Erie Co.Aero Park (Hamburg)	3.5 WSW;RR E,W	750	18	Pole line S.UNUSABLE.(NC)
Falconer	1.3 NNE;RR S	1250	22 S4	80 oct.Obsts sur fld.
Fredonia	3.5 W;RR SE		27 S2	80 oct.Pole line N,NE,E.
Gowanda	1.4 NNW;crk W	760	22 S6	80 oct.No storage.
Graf (Lockport)	2.8 N;RR S	380	15 S6	80 oct.
Hamburg Airpark Inc.	2 NNW;RR,hwy W	722	23 S2	80 oct.Pole line NE.
Hayes (Blasdell)	0.7 SSE;RR E,W	723	20 S4	80 oct.No storage.
Jamestown	4.1 N;hwy E	1719	27h S6	80 oct.Trees S.
Lee (Lockport)	1.8 SSE;hwy N	640	18h S2	80 oct.Pole line N.
Medina	2 W;RR S	500	21 S1	80 oct.Obsts sur fld.
(P) Niagara Falls	4 E;RR N	587	55h R1 L5 S4	80-100 oct.JP-1.No sto.
Olean	1.8 SE;RR N	1440	22 S6	80 oct.Trees W,N;hill S.,
Palmer (Olcott)	1.2 SSW;RR S	315	17 S2	73 oct.Pole line E.
Perry Central	1.7 NNW;lk SSW	1400	23 S1	80 oct.Pole line,trees N.E.
Perry Fly.Service (Perry)	3.3 W;RR W	1640	21	Pole lines NNE. (NC)
Ripley	1.4 WNW;lake N	650	22 S4	80 oct.No storage.
Salamanca	1.6 W;RR N,S	1370	12 S6	80 oct.
Scott (Lancaster)	1.5 E;RR N,S	680	22 S1	80 oct.Pole line SW.Rnwy data unverif.
Shawnee Flying Service (North Tonawanda)	4.5 NNE;riv SE	580	33 S6	80 oct.Pole line E,W.
Sheridan (Williamsville)	2.5 NE;hwy SE	640	38 S6	80 oct.No storage.
Silver Creek (NC)	1 WSW;hwy SE	720	11	Trees E, NW.
Silver Springs	0.5 E;lake NE	1420	15 S1	80 oct.
	7.3 NW	570	103 S6	80 oct. Ramp; all facs.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII) (NC)-Not charted.

→ NEW OR REVISED DATA

NEW YORK

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Springville	1.5 NE;RR W	1395	26 S4	80 oct.Pole line N,E.Rnwy info unver.
Steffen (East Amherst)	3.5 N	582	22 S6	80 oct.Obsts sur fld.
Tonawanda	3 SSW;RR E	610	30h S4	80 oct.Rough.Obsts sur fld.
Transit (Depew)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Werle (Dunkirk)	1.8 ENE;RR N,S	640	22 S1	80 oct.Poles,trees sur fld.
Westfield (NC)	1.5 WSW;hwy N	758	18 L1	S blocked.

OHIO

Ashtabula	3.1 W;lake N	621	17 S2	80 oct.
Barnard (Youngstown)	3.4 E;lake NE	1140	28 S6	73,80 oct.Pole line N,S,W.
Bird (Youngstown)	2.6 NE; RR W	1000	22 S4	80,91 oct.Pole line W,N.
Brookfield	0.8 W;RR W	1130	20	Poles N,E.
Conneaut	2 ESE;hwy S	670	18 S1	80 oct.
Hall (Warren)	3.5 ENE;RR NW	900	26 S2	73,80 oct.Poles E.
Holloways (Greenford)	1 ENE;RR W	1250	15 S1	80 oct.Wires E.
Sky Harbor (Williamsfield)	1 S;hwy E	1140	26	Poles E. (NC).
Swaney (East Liverpool)	4.9 NW;crk SE	1170	22 S2	80 oct.
Tyndall (Warren)	6 NNW;RR E	940	30 L1 S4	80 oct.No storage.
Warren Airways	2.3 WNW;RR S,E	900	22 S2	73 oct.Trees S.
Watson (Youngstown)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
YOUNGSTOWN	11 N;hwy E	1178	39h R2 L5 S6	73,80,91 oct.

PENNSYLVANIA

→ Albert (Phillipsburg)	2.3 ENE;rd N	1750	31 S2	80,91 oct. Pole line S,E.
Breebreeze (Marchand)	0.3 N;RR NW	1650	18 S2	80 oct. Trees N,NE.
Brockway	1.3 NE	1700	18	
Brokenstraw (Youngsville)	2.6 W;RR S	1230	17 S4	73 oct.
★ Brookville Int,45A,CG-LG	2 WSW;RR E	1416	30 R1 L3 S1	80 oct.
Butler-Alameda (Butler)	3.4 WNW	1340	24 S6	80 oct.Pole line E.
Clearfield	1.5 WSW;RR SE	1220	20 S1	80 oct.Pole line NE.
Conneaut Lake	1.7 WSW;hwy SE	1250	18 S2	80,91 oct.Pole line SE end.
Conway	0.7 N	950	24 S4	80 oct.Hill N.Rnwy dsts unverif.
Dubois	1.7 ESE;RR NE	1575	30 S6	80 oct.
Erie City (Kearsarge)	0.5 W;hwy E	900	29 L S6	80 oct.Port rnwy lgts.Poleline SE
Erie County (Erie)	11.6 SW;hwy N	805	24 S6	80 oct.Poles N,E,S.
Green (Ridgeway)	3 NW;hwy,RR E	1720	21 S2	No fuel.Trees NNW.
Greenville	2.3 W;RR E	1180	17 S2	80 oct.Pole line S.
Grove City	2.1 SSE;RR E	1275	19 S4	80 oct.
Harri-Emery (Bradford)	2.3 WSW;RR E	1490	20 S4	80 oct.
Kylertown	1 WNW	1660	40 S4	80 oct.Trees S,WNW.
McKean County (Bradford)	11 S;RR SW	2140	45h	
Mercer	4.8 NNE;RR W	1300	20 L1 S6	80 oct.
Merry's Pymatuning (Linesville)	1.5 NW;RR E	1200	21 S2	73 oct.Pole line NNE.
Mount Jewett	0.8 ESE;hwy N	2240	19 S4	80 oct.
New Castle	4 WNW;hwy SE	1080	29h S5	80 oct.
Parker Cramer (Clarion)	1ENE;riv N	1480	18 S1	80 oct.
Patterson (Beaver Falls)	1.5 S;RR,riv E	1020	26 S4	80 oct.
Penn-Mead (Meadville)	3 SSW;hwy E	1365	20 S2	73 oct.
Perry (Mars)	5 E;hwy E	1060	16 S6	80 oct.No sto.Pole line E.
Philipsburg,Site 51A,CG-LG	7 E;hwy N	1940	30h R1 L3 S1	80 oct.
Pittsburgh-Butler (Butler)	6.7 SSW;hwy E	1235	49 L1 S6	80 oct.
PORT ERIE (Erie)	6 WSW;RR SE	735	46h R1 L5 S6	80,91 oct.
Port Lawrence (Corry)	1.2 S;RR N	1745	23 S2	73 oct.Pwr line NW.
Port Meadville (Meadville)	3.4 W;hwy S	1400	32h L4 S6	80 oct.
Punxsutawney	3 NE;hwy S	1470	22 S2	Ltd 80 oct.Pole line ESE,S.
Splane Memorial (Oil City)	4.1 NNW;hwy E	1490	22h L S4	80,91 oct.Port. rnwy lgts.
Utahville	1N;RR S	1800	22 S2	Ltd 73 oct.
Warren	2 WSW;RR N	1100	23h L S4	80 oct. Port rnwy lgts.

SYRACUSE

RADIO

NEW YORK

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS. OF OPER., REMARKS
DANSVILLE	212(DA)(116.1)	MHVT	(4); 116.1
ELMIRA (Chemung Co.)	385(EA)(116.1)	SBRAZ-VDT,75°,1.8	(4); 116.1
ROCHESTER	206(RC)(116.1)	BMRLZ-VDT	(4);116.1
Rochester Airport	278	CI;298°,2.2	3105,4495 (8-24)
ROME AAP	396 (126.18)	CA	(4); 126.18 (8-22)
SYRACUSE	350(SR)(116.1)	SBRAZ-VDT	(3);116.1
Syracuse Municipal	278	C ; 178°, 2.2	(4)
TRI-CITIES (Endicott)	278	CI	3105(days)
UTICA	359(UA)(116.1)	BMRLZ-VDT,151°,3.0	(4);116.1

PENNSYLVANIA

ALLENTOWN (Allentown-Bethlehem)	320(XA)(116.1)	SBMRAZ-VDT,192°,2.7	(4); 116.1
LAKE CAREYFM	(- - - -)	FM, 259°,20.8	Wilkes-Barre
SLATINGTON FM	(- - - -)	FM, 290°, 12	Allentown
SUNBURY	353(SV)(116.1)	MHVT	(4);116.1
SUNBURY	108.3 (SV).	VARW-	
WILKES-BARRE (Wilkes-Barre-Wyoming Valley Airport)	272(WI)(116.1)	SBMRAZ-VDT,243°,2.6	(4);116.1
WILLIAMSPORT	233 (IA)	BMRLZ-DT,281°,7.5	(4)

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

NEW JERSEY

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lake Susquehanna(Blairstown	2.3 WSW;RR S	380	28 S6	80 oct.
Martins Creek, Belvidere	3 SSW;riv SE	340	25 S6	80,91 oct.Pole line N.

NEW YORK

Auburn	3.7 WNW;lake E	525	24 S4		80 oct. Poles,trees sur fld.
Binghamton	7.2 NNE;RR NW	940	18 S2		80 oct.Trees N.
Bonnie Brae (Owasco) (NC)	1.7 SW;RR W	960	17		Cattle on fld.
Brizee (Pittsford)	2 E;RR N	422	25 S4		80 oct.Pole line S,NW.
Canastota	1.5 WSW;RR N	540	22 L1 S1		80 oct.
Carthage	1 E;RR NW	740	20 S1		80 oct.
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1		80 oct.Pole line E.
CHEMUNG CO. (ELMIRA)	6.5 NW;RR S	951	40h	R1 L5 S4	80,91,100 oct.
Cicero	0.5 NW;lake SW	416	21 S4		80 oct.
Colgate Univ. (Hamilton)	5.4 N;RR W	1178	25 S6		80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4		80 oct.Pole line W.
Community (Whitesville)	1.3 E;riv 1 W	2180	30		20-40' trees E,W,S.
Cortland	1.8 WSW	1144	30 S6		80 oct.Wooded ridge E.
Costa's (Painted Post)	2.7N NW;RR	960	16 S1		80 oct.Trees W,NW.
Crowner (Wellsville)	1 W;RR E	1506	22 S2		80 oct.Obsts sur fld.
(P) Dansville	1 NW;RR NE	662	40h	R1 L3 S6	80 oct.Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1		80 oct.Trees S,W.
Fulton	2.6 NNE;rd W	469	40h	L2 S4	80 oct.No sto.Lgts prior req.
Fulton Airpark	0.5 W;riv E	360	18 S6		80 oct.12' brush WNW.
Hancock (NC)	1.5 SSE;RR E	905	17		Hills SSE,NNW.
Hilton	2.6 WSW;RR N	325	16 S1		80 oct.3' fence E,S,SE.
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4		80 oct.Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6		80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S;RRs N,S,W	525	27 S6		80 oct.Trees E.
Ithaca	1.3 NW;inlet E	386	25h S6		80,91 oct.No storage.
Keyes-Oneonta (Oneonta)	1.5 W	1000	27 S4		80 oct.Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1		80 oct,Pole line E.
Ladd's (Mexico)	0.6 W;RR N	383	20 S1		Ltd 73 oct.Pole line NE.
Martin(Montour Falls)	1 NE;RR W,E	460	13 S4		80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1		80 oct,Pole line S.
Meacham-Genesee (Rochester)	6 S;RR N	564	22 L S6		80 oct,Floodlgts in emerg.
Mercury (Hammondsport)	1 WSW;RR N	750	15 S2		80 oct.Hill W.
Elmira	2 SSW;RR E	890	16		Trees adj NE,S.
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14		Trees WSW.

NEW YORK

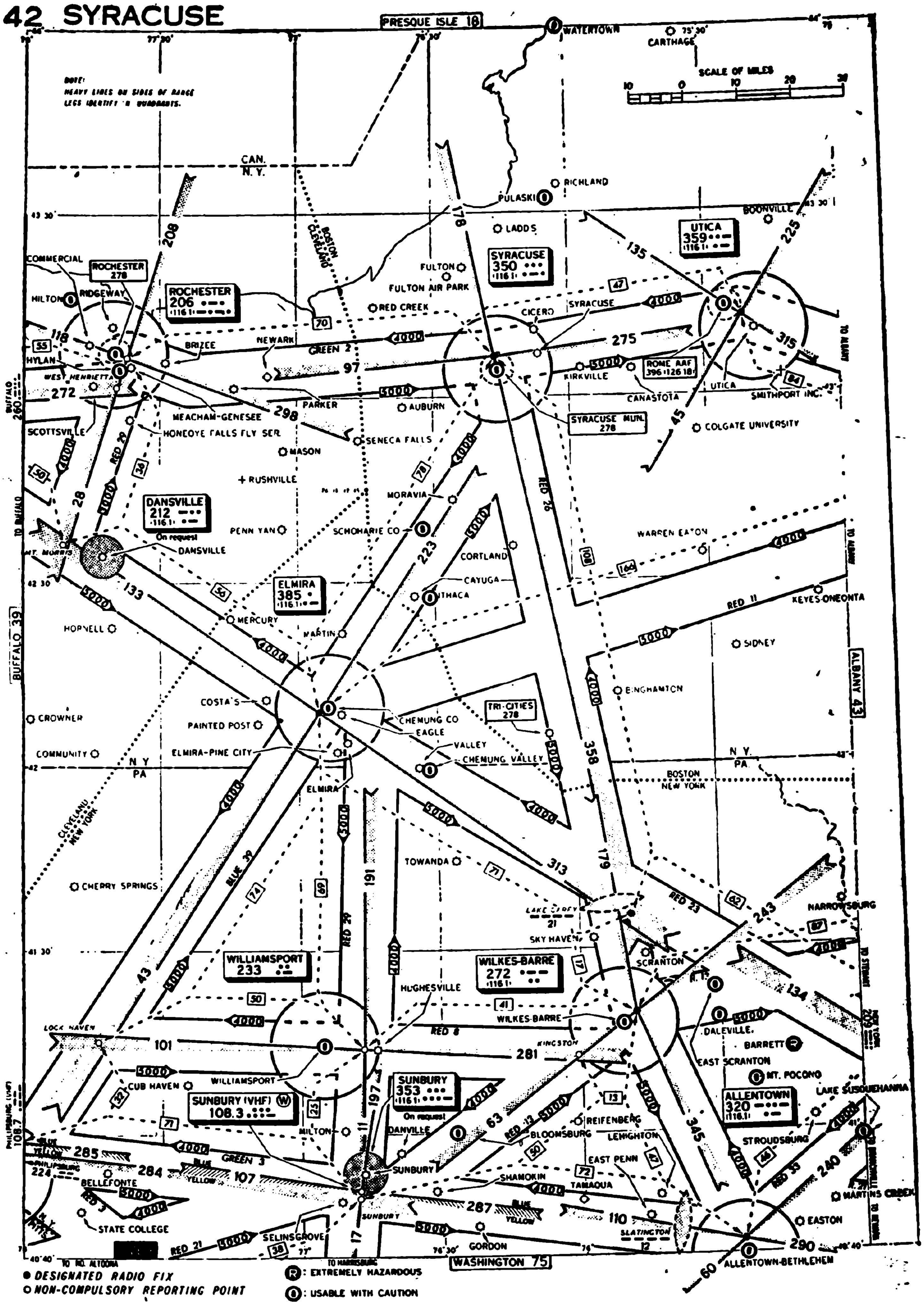
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E.
Moravia Air Haven	1 NW;RR E	730	20 S1	80 oct.S aprch blocked.
Narrowsburg	0.6 NNE;RR E	700	18 S4	80 oct.Mts N,NE.
★ Newark Int,27A,CV-AZ	1.3 NNW;rd N,E	490	19 L2	Pole N.
Painted Post	4.4 SW;RR W	950	19 S2	80 oct.Trees E,W.
Parker (Palmyra)	2.8 S;RR N	540	15 S1	80 oct.
Penn Yan	1.1 S;lake W	850	20 S2	80 oct.
Pulaski	3 SE;riv N	500	18 L S4	80 oct,Port rnwy lgts.Trees WSW
Red Creek	0.8 SSE;RR N	355	18 S1	80 oct.
Richland	0.6 NE;RR SW	560	21 S1	80 oct.Hi-line S.
Ridgeway (Rochester)	3.7 W;canal ESE	530	18 S1	80 oct.Pole lines W,NW,SE.
(N) ROCHESTER	3.7 SW;riv S	549	42h	R2 L5 S6 80,91 oct.ARPT OF ENTRY
(A) Rome AAF (A)	2.5 NE	473	63h	R1 L5 S6 62,73,91,100 oct.JP-1.
Scottsville	1 N;RR W	600	10	Allway area: 1000 x 1000'.
Seneca Falls	2.2 SE	490	28 S2	80 oct.Obsts sur fld.
Sidney	1 WSW;RR SE	1012	24 S4	80 oct.Pole line S.
Syracuse	3.5 NNE;hwy W	416	55h	closed.
" MUNICIPAL	5.9 WNW;RR N	396	50h	R2 L5 S6 80,91 oct.Rco rec req.
Tri-Cities (Endicott)	3.5 WSW;riv S	840	35h	R1 L3 S6 80,91 oct.Wooded ridge W,ESE.
Utica	7.8 NW;hwy S	525	31	R1 L1 S6 80 oct.Twr W;hill N;trees S.
Warren Eaton (Norwich)	2.5 N;riv,RR E	1015	20 S1	80 oct.Wooded ridge E.
(F) Watertown	5.9 WNW;hwy N	325	50h	L1 S4 80 oct,Bcn on req.ARPT OF ENTRY.
Schoharie Co.(Richmondville	1.3 NE; RR N	1000	16 S1	80 oct. Trees E.
→ Smithport Inc.(Utica)	3.5 SSE	1150	20h	S1 NC,91 oct, Data unverified
Rushville	2.5 NNE	1120	20 S1	Unverified.

PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	380	40h	R1 L5 S6	80,91 oct.Use rnwys only. Fld lgts prior req.
Barrett (Canadensis)	1.8 N;hwy SW	1450	18	S2	No fuel. Trees E.
Bellefonte	4.3 ESE;hwy	1045	21	L2 S6	80 oct.
Bloomsburg	0.8 ESE;riv S	478	32	L3 S6	80,91 oct.Pole lines SW, E.
Chemung Valley (Athens)	1.8 NNW;riv E	850	39	S4	73 oct.
Cherry Spgs. (Corbett)	2.4 W	2265	18	S1	Ltd 80 oct.Trees W,SE, NW.
Cub Haven (Lock Haven)	1.7 E;RR S	550	25h	S1	80 oct. Pwr line E.
Daleville	0.6 N;hwy W	1775	19	S4	80 oct.Hill S.
Danville	2.2 SW;RR N	420	22	S3	80 oct;Hill SW.
Easton	3.5 NNW;RR W	360	22	S6	73-91 oct.Pole line N.
East Penn (Andreas)	1.5 NE;hwy S	860	18	S6	73 oct.
Gordon	1.8 W;RR E	960	18	S2	80 oct. Hill S.
Lehighton	0.9 WSW;hwy NW	502	18	S2	80 oct. Trees WSW.
Mid Valley (Olyphant)(NC)	3 N;rd NE	1385	20		
Milton	0.8 S;RR W	450	24	S6	80 oct.Pole line SW.
Mt.Pocono, 21,BJ-LG	1.5 NW;hwy NE	1925	65h	L3 S1	80 oct.Pole line NE.
Mt. View (Nicholson)(NC)	4.8 ENE;crk NW	1280	21		50' trees S.
Neifenberg (Hazleton)	5.8 NNW;rd E	1146	21	S4	80 oct.
Scranton	7.2 WNW;hwy N	1150	24h	L3 S6	73-91 oct. Fld lgts prior req.
Selinsgrove	1.1 N;hwy E	450	25	S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE;RRs W	1100	16	S2	80 oct.
Skyhaven (Tunkhannock)	0.3 S;RR N	639	20	S1	80 oct.Pole line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	19	S4	80 oct,Poles adj W.
Stroudsburg-E. Stroudsburg (Stroudsburg)	2.5 NNE;hwy S	426	22	S4	80 oct.
Sunbury	2 NNE	443	37	R1 L1 S6	80 oct. No sto.
★ Tamaqua,Int,61B,CQ-LG	2.2 WNW;hwy W	1260	30	L3	
Towanda	1.5 SSE;RR W	700	25h	S1	80 oct.Pole line SW,NE.
Wilkes-Barre-Wyoming Valley	3.5 NNE;riv S	546	35h	R1 L3 S4	80,91 oct.
Williamsport	5.1 E;riv S	526	43h	R1 L5 S6	80,91 oct. Lgts prior req.
East Scranton (Scranton)	7.3 ESE;lake E	1660	21		Trees S, N.
Hughesville	0.6 S;crk E	570	12	S2	

R-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) (NC)-Not charted. → NEW OR REVISED DATA

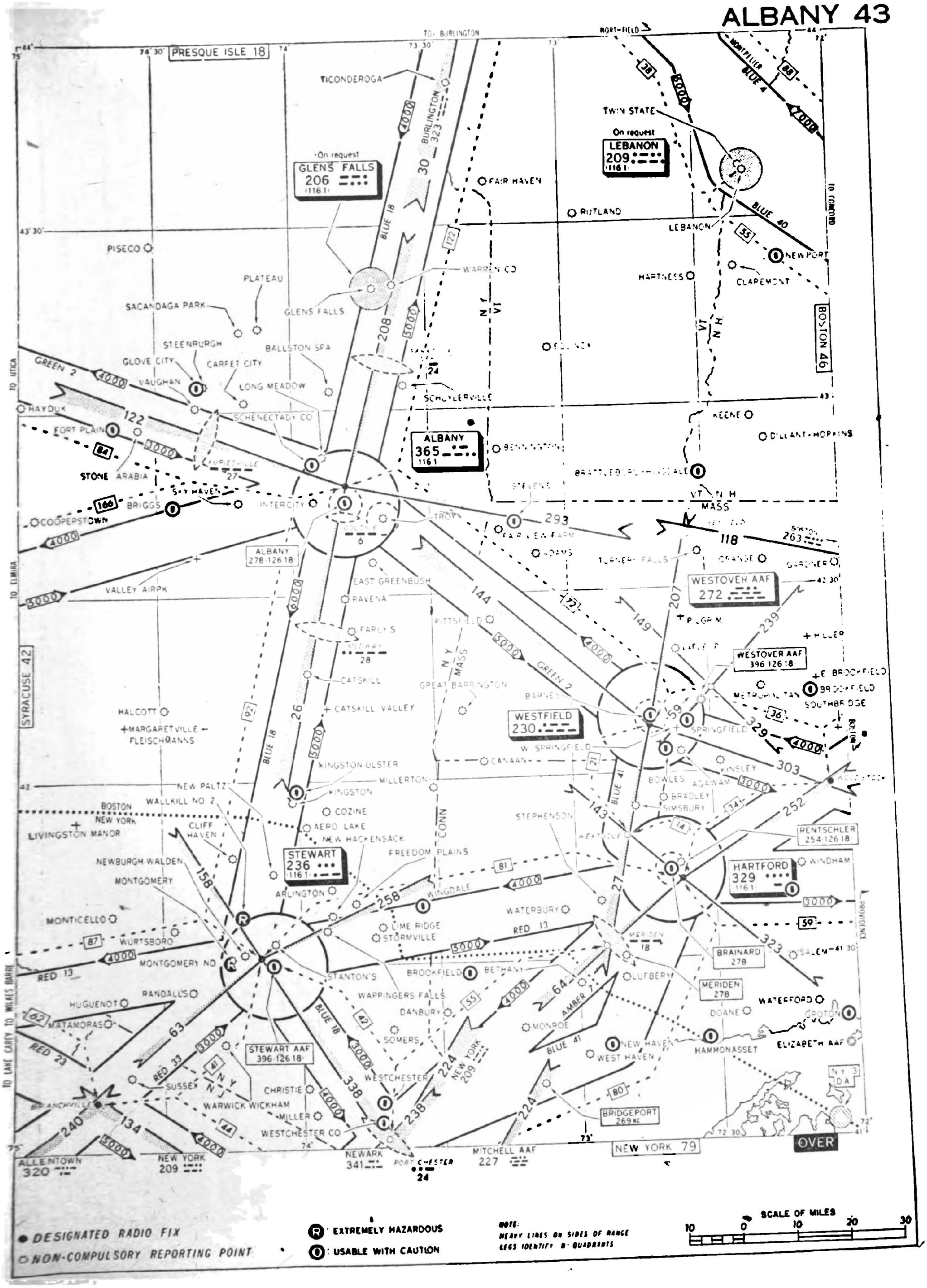
42 SYRACUSE



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

ALBANY 43


PRESQUE ISLE 18
TICONDEROGA
TO- BURLINGTON
NORTHFIELD
MONTPELIER
BLUE 4
TWIN STATE
On request
LEBANON
209
116 I
On request
GLENS FALLS
206
116 I
BURLINGTON
323
30
BLUE 18
FAIR HAVEN
RUTLAND
BLUE 40
LEBANON
NEWPORT
10 CONCORD
PISECO
PLATEAU
WARREN CO
HARTNESS
CLAREMONT
SACANDAGA PARK
GLENS FALLS
STEENBURGH
GLOVE CITY
CARPET CITY
BALLSTON SPA
VAUGHAN
LONG MEADOW
10 UTICA
GREEN 2
HAYDUK
122
FORT PLAIN
84
STONE ARABIA
SCHENECTADY CO
SCHUYLERVILLE
ALBANY
365
116 I
KEENE
D'ILLART-HOPPINS
BRATTLEBORO-HINSDALE
VT N H
MASS
BOSTON 46
COOPERSTOWN
166
BRIGGS
INTER CITY
TROY
293
FARLEY FARM
118
263
TURNERS FALLS
ORANGE
GARDNER
ALBANY
278-126 18
VALLEY AIRPK
EAST GREENBUSH
RAVENA
WESTOVER AAF
272
PITTSFIELD
144
149
207
239
PLGRM
MILLER
FARLYS
MEDWAY
28
CATSKILL
GREAT BARRINGTON
WESTOVER AAF
396-126 18
E BROOKFIELD
BROOKFIELD
SOUTHBRIDGE
SYRACUSE 42
HALCOTT
MARGARETVILLE
FLEISCHMANNS
CATSKILL VALLEY
WESTFIELD
230
SPRINGFIELD
W SPRINGFIELD
BLUE 18
KINGSTON-ULSTER
MILLERTON
CANAAN
BLUE 41
KINSLEY
BOWLES
AGAWAM
BRADLEY
SIMSBURY
303
252
NEW PALTZ
KINGSTON
COZINE
AERO LAKE
NEW HACKENSACK
WALLKILL NO 2
BOSTON
NEW YORK
LIVINGSTON MANOR
CLIFF HAVEN
CONN
STEPHENSON
WEATOGUE
RENTSCHLER
254-126 18
STEWART
236
116 I
FREEDOM PLAINS
NEWBURGH-WALDEN
MONTGOMERY
ARLINGTON
WINGDALE
WATERBURY
HARTFORD
329
116 I
WINDHAM
PROVIDENCE
MONTICELLO
WURTSBORO
LIME RIDGE
STORMVILLE
RED 13
MERIDEN
18
BRAINARD
278
SALEM
MONTGOMERY NO
STANTON'S
BROOKFIELD
BETHANY
LUFBERY
MERIDEN
278
WATERFORD
HUGUENOT
RANDALLS
WAPPINGERS FALLS
DANBURY
MONROE
DOANE
GROTON
MATAMORAS
RED 23
63
RED 33
STEWART AAF
396-126 18
SUSSEX
SOMERS
BLUE 18
AMBER 7
NEW HAVEN
WEST HAVEN
HAMMONASSET
ELIZABETH AAF
BRANCHVILLE
CHRISTIE
WARWICK WICKHAM
MILLER
WESTCHESTER
NEW YORK
209
WESTCHESTER CO
BRIDGEPORT
269 HC
ALLENTOWN
320
NEW YORK
209
NEWARK
341
PORT CHESTER
MITCHELL AAF
227
NEW YORK 79
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R : EXTREMELY HAZARDOUS
O : USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY B-QUADRANTS
SCALE OF MILES
10 0 10 20 30

RADIO — CONNECTICUT

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS GUARDED, HRS. OF OPER., REMARKS
BRAINARD (Hartford	278	C	(4), 131.9,126.18
→ BRIDGEPORT ARPT	269	C	(4), 116.1,131.9
EAST HARTFORD (Rentschler)	254 (126.18)	CI	(3)
HARTFORD (Brainard)	329(HT)(116.1)	SBMRAZ-VDT, 323°,2,3	(3), 116.1
MERIDEN FM	(- - -)	FM, 244°, 17.6	Hartford
MERIDEN ARPT.	278	CI	3105.4495 (days)
MASSACHUSETTS			
WESTFIELD (Barnes)	230 (WJ)	BMRLZ-DT,270° 1.7	(4)
WESTOVER(Chicopee Falls)(Army)	272 (DO)	BMRAZ	(3) (GCA)
Westover Fld	396 (126.18)	CA(LLS),239°,2.7	(3), 126.1 8(Appch cont.)
NEW HAMPSHIRE			
LEBANON	209(LP)(116.1)	MHVT	(4), 116.1
NEW YORK			
ALBANY	365(AZ)(116.1)	SBRAZ-VDT	(3), 116.1
Albany Arpt.	278 (126.18)	C, 196°, 3	(4),126.18,116.1,140.1,
AURIESVILLE FM	(- - - -)	FM, 302°,27.2	Albany 131.9
COLONIE LFM	(- - -)	LFM, 206°, 5.7	Albany
GLENS FALLS	206(GB)(116.1)	MHVT	(4), 116.1
MEDWAY FM	(. . . . -)	FM, 206°, 27.6	Albany
PORT CHESTER FM	(. . -)	FM, 44°, 24	New York
SARATOGA SPGS. FM	(-)	FM, 28°, 24	Albany
STEWART FIELD	236(SW)(116.1)	BMRLZ-VDT	(4), 116.1
Stewart Field	356 (126.18)	CA, 125°, 2.5	(3), 126.18 (7-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in use. Compass Locators in use)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Westover, Mass.	109.9	333.6	239° Mag.	OM- (.49)	MM- ····· (.79)	OM- --(3.38)
					MMK-	OMK-
Westover, Mass.	109.5	332.6	59° Mag.	OM- (.02)	MM- ····· (.72)	OM- --(4.42)
					MMK-	OMK-
				OM-	MM-	OM-
					MMK-	OMK-
				OM-	MM-	OM-
					MMK-	OMK-

S-Simultaneous Range and Voice. W-Without Voice. Z-VHF Station Location Marker at Range Station.
(3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 31275 kcs.
Parenthetical Numbers in the Frequency Column indicate VHF on which Voice is Available.

AIRPORTS — CONNECTICUT

AIRPORT CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Bethany	1.3 N,hwy E	680	21 L2 S6	80,91 oct.No bcn.Lgts
Bradley (Windsor Locks)	2 W,hwy E	171	50h	Antenna prior req. S.
BRAINARD(Hartford)	2.8 SE,RR W	19	48h R2 L5 S6	80,91,100 oct.Dike E,N
(N,P) BRIDGEPORT	3.5 ESE	9	48h R1 L5 S4	80,91 oct.
Brookfield	0.3 S,RR,riv E		10 S6	80 oct.No sto.Data unve
Canaan	1 N,RR W	680	24 S6	80,91 oct.No sto Pole line SW.
Danbury	2.5 SW,RR N	454	44h S6	80 oct.P-line WSW,SSE
Doane (Essex)	1.2 SW,RR E	30	21 S6	80 oct.No sto.Trees N, NW. RR N.
Groton	2.8 SE,RR W	10	50h	
Kinsley (Somers)	2.5 NNW,RR W	200	19 S4	80 oct.
Lufbery (Wallingford)	0.5 WSW,RR E	80	22 S6	80 oct.No sto.Stacks S.
Meriden	2.7 SW,RR E	102	35 R1 L3 S6	80 oct.Hi-line W,S N.
Monroe	0.7 SSE,rd E	620	20 S6	80 oct. Rd. W.
New Haven	3.5 SSE,crk W	4	43h S6	80,91,100 oct.No sto. Pole line NW.
Rentschler (E.Hartf'd)	1 S,riv W	40	58h R1 L5 S6	80,91,100 oct.
Salem	2.1 E,lk NNE	400	21 S6	80 oct.
Simsbury	2.6 NNE,RR W	170	17 S6	80 oct.Trees SE.
→ Stephenson (Bristol)	1.6 ESE,RR N	240	18 S6	80, 91 oct.
Waterbury (Plymouth)	2.6 S,RR E,W	843	20 S6	80 oct.
Waterford	1.7 N,RR SSE	60	20 S6	80 oct.Trees,hill S.
West Haven	2.7 SW,hwy E	15	18 S4	80 oct.No sto.P-line E, W blocked.
Windham	2.5 NNW,hwy S	238	44h S1	80 oct.Trees NE,ENE.
MASSACHUSETTS				
Adams	1.3 SSE,RR W	1400	18 S1	80 oct.
Agawam Land & Seaplane Base	0.5 S,riv E	50	16 S6	80 oct.Pole line SE.
BARNES(Westfield)	3 NNE,RR W	268	50h R1 L5 S6	80,91 oct.
Bowles (Agawam)	2.4 WSW,trk E	190	40 S4	80 oct.Poleline S,SSE.
Brookfield	1 W,RR SW	680	20 S4	80 oct. W,NW,
East Brookfield	0.5 W	650	15 S3	80 oct. Data unver.
Fair View Farm (Williamstown)	4 SW,apv E	954	23 S1	80 oct.Poleline ENE. Hill NNE.Lgt acft only
Gardner	2 SW,hwy N	1020	18 S4	80 oct.
Great Barrington	2 WSW,riv N	726	28 S6	80,91 oct.Obst sur fld.
Hiller (N.Brookfield)	6.5 NNW	600	21 S3	Data unver.
La Fleur (Northampton)	1.2 ENE,riv SW, N	120	26 S4	80 oct.No sto.
Metropolitan(Palmer)	5 N,riv W	400	19 S6	80 oct.Hill N.
(P)Orange	1.5 SE,hwy SE	555	50h S1	80 oct.Poles NE.
Pilgrim (Northampton)	9 N	120	16 S3	No sto.Data unver.
Pittsfield,3B,AZ BW	2.4 WSW,hwy NW	1140	27 L3 S1	80 oct.Poleline N.
Southbridge	1 N	700	26 S4	Data unver.
Springfield	2.3 NE,RR S	205	26 S6	80,91 oct.Bldgs W
Stevens (N.Adams)	2.8 WSW,RR N	690	20 S4	80 oct.No sto.P-line E.
Turners Falls (Montague)	4.2 N	350	33 S6	80,91 oct.Wooded ridge SE,SW.
(A)Westover (Chicopee Falls) (A)	3.8 NNE,riv W	244	70h R3 L6 S6	73,91,100 oct.No sto.
West Springfield	1.5 N,riv E	65	19 S4	Data unver.
NEW HAMPSHIRE				
Claremont	1.3 W,riv NE	520	28h S2	80,91 oct.Wooded ridge
Dillant-Hopkins(Keene)	2 S,riv,RR W	481	40h S6	80 oct. NNE
Hinsdale-Brattleboro (Hinsdale)	2.7 NW,RR W	360	18 S4	80 oct.Lndg flares prior req.
Keene Arpk.	3 NW,RR W	500	21 S6	No fuel or sto.100' hill
Lebanon	3.3 WSW,RR N	579	40h R1 L5 S4	80 oct.Rdo repairs,SE.
Newport	2 NNW,RR W	780	26 S4	80 oct.Pole line E.
NEW JERSEY				
Sussex	1.2 WSW,RR S	420	25 S1	80 oct,200' knoll NNE.
NEW YORK				
Accord (NC)	0.7 N,RR S	260	19	PRIV.Trees S,NE,SW.
Aero Lake & Seaplane → Base (Kingston)	3.7 SSE,RR W	220	23 S4	80 oct.Trees S.
ALBANY	6.9 NNW,riv N	271	35h R2 L5 S6	80,91,100 oct.ARPT OF
Arlington(Poughkeepsie)	1.5 E,RR E	280	18 S2	80 oct.Pole- ENTRY. line NE,trees SW.
(P)Ballston Spa	3 N,RR E	433	40h L5 S6	80,91 oct.
Briggs (Carlisle)	0.6 SE,RR W	1320	12	
Carpet City (Amsterdam)	6 N,rd NW	887	18 S6	80 oct.Use strips only.
Catskill (Cairo)	2 E,hwy S	300	16	Trees sur fld.
Catskill Valley (Catskill)	1.5 SW	100	23 S3	80 oct.Data unver.
Christie (New City)	1.5 N,RR E	150	16 S4	80 oct.Poleline SW.
Cooperstown	1.4 NNW,RRSE	1660	16 L S4	80 oct.Pole S.Port lgts.
Cozine (Rhinebeck)	0.5 SE,RR W	200	20 S1	87 oct.Pole line W.
Cliff Haven (Accord)	11 W,RR S	260	16 S1	80 oct.
East Greenbush	0.8 NW,RR W	260	38 L S6	80 oct.Port rnwy lgts.
(A)Elizabeth (Fisher's Island) (A)	W end Island	7	29h L4	No bcn. P-line N.
Farly's (New Baltimore)	3 S,RR W	10	20 S1	80 oct.Trees N.
* Ft.Plain Int,40A,CY-AZ	3 NNW,RR NE	680	35 L3	
Freedom Plains (Billings)	2 W,rds N,E	340	11 S1	80 oct.Pwr line S.
Glens Falls,18,LG-UL	2.6 NW,rd S	474	35h R1 L3 S6	80 oct.
Glove City(Gloversv'l)	1.5 NE,RR S	860	17 S1	80 oct.
Halcott (Halcott Ctr.)	1 N		10 S1	80 oct.Data unver.
Hayduk (Herkimer)	0.6 SSW,RR N	400	12 S4	Ltd 80 oct.Poleline E.
Huguenot(Port Jervis)	3.3 NE,RR SE	480	21 S6	80 oct,Trees SW.
Intercity(Schenectady)	3.6 SSE,RR NE	340	20 S4	80 oct.
Kingston	1.5 NW,RR S	150	17 S4	80 oct.Pole line NW.
Kingston-Ulster	2.7 N,RR E	160	30 S4	80 oct.No sto.P-line E.
Lime Ridge (Beekman)	1.3 SE,RR S	420	16 L2 S6	80 oct.All lgts prior req
Livingston Manor	0.5 SE,RR W		21h S4	80 oct.,91oct req.Data
Long Meadow (Rexford)	1.5 NE,RR N,W,S.	380	17 S1	80 oct.Poles unver, NNE
Margaretville-Fleischmanns (Margaretville)	0.2 S,riv W		21 S4	80,91 oct.No sto.P-line NE,Data unver.
Miller (Nyack)	1.8 WNW,riv E	70	17 S6	80 oct.No sto.P-line SW
→ Millerton	1.5 N,RR W	1000	13 S1	80 oct.Trees N.
Montgomery	1 WSW,riv W	393	22 S6	80 oct.Trees N,brush E
(A)Montgomery U.S.Mil. Academy #1 (A)	2 SW	355	35h	CLOSED.
Monticello-Sullivan Co.	1.4 N,RR E	1500	24 L S1	80 oct.Port rnwy lgts. Windmill SSE.
Newburgh-Walden (Walden)	2.2 SSW,riv W	404	32 S6	73,80 oct.Obsts sur fld.
New Hackensack	0.5 W	156	35h	Obsts NE.
New Paltz	0.8 W,RR E	190	20 S1	80 oct.
Pisecco	0.5 N,hwy SW	1710	19 S2	Ltd 80 oct.Trees,brush
Plateau (Northville)	2.5 E,riv ESE	1040	24 S1	Ltd 73,80 oct. NNE Trees S.
Randall's (Middletown)	1.8 ESE,RR NW	520	20 S2	80 oct.
Ravena	1.2 N,riv 2 E	180	14 S2	80 oct,Lgt acft only.
Rockland (New City)	1 SSE,RR E	240	14	Trees W,hwy E.
Sacandaga Park (Northville)	1 SW,RR W	770	13 S1	80 oct.Pole line WSW.
(P)Schenectady Co.	3 N,RR SE	362	50h L5 S6	80,91,100 oct.
Schuylerville,Land & Seaplane Base	2.5 S,riv E	100	29	Trees N,S.
Selkirk (NC)	2.7 E,riv E	160	22	Trees N.
Sky Haven (Delanson)	0.9 NW,RR SE	1100	14 S2	80 oct,ESE,W blocked.
Somers	0.6 SE,RR E,S	563	20 S4	80 oct.No sto.
Stanton's Newburgh → Cub Port (Newburgh)	5.3 NW,RR S	520	12 S2	80 oct.Trees S.
Starhaven(Middletown)	1.3 NW,RR SW	750	29	Trees SW,SE,NW,RR N
Steenburgh Avia.Svc. (Gloversville)	1.5 ENE,RR N	900	8 S1	80 oct.
(A)Stewart(Newburgh)(A)	4 W,hwy N	463	61h R2 L5 S6	100 oct.
Stone Arabia(Ft.Plains)	3.6 ENE,hwy E	880	18	Pole line NNW.
Stormville	1 ENE,RR S	350	23 S4	80 oct.No sto.Trees NE
* Ticonderoga Int,22, LG-UL	2.7 NNE,rd E	210	32 L3	Obsts sur fld.
Troy	2 SSE,riv W	327	30 L4 S6	73,91 oct.Trees NW,
Valley Air Park (Middleburg)	1.5 NNW	635	16	Data unver.
Vaughan(Johnstown)	1 E,hwy W	760	18 S1	Ltd 80 oct.Trees W.
(A)Wallkill,U.S.Mil.Acad. #2 (A)	3 NW,riv E	340	35h	CLOSED.
Wappingers Falls	0.9 SE,rd S	152	21 S4	80 oct.P-line E,W,S.
Warren Co(Glens Falls)	2.4 NNE,rd N	325	40h	
Warwick-Wickham	4.5 NE,RR W	540	24 S4	80 oct. Ridge N.
Westchester(Armonk)	0.5 SSE,riv E	380	23 S6	80,91 oct.Trees sur fld
(P)Westchester Co.(White Plains)	4 NE,lake W	435	50h L5 S6	80,91 oct.No sto.All lgts prior req. FEE.
White (Bedford)(NC)	3.8 SE,hwy E	475	12	
Wingdale	1.5 NE,RR W	400	25 S4	80 oct.No sto.ROUGH.
Wurtsboro	2 NE,RR E,SE	560	31 S6	80 oct.Obsts sur fld.
PENNSYLVANIA				
Matamoras	0.5 SSE,riv SE	450	18h L4 S6	80 oct.No bcn.Lgts prior req
VERMONT				
Bennington	2.5 WNW	830	13 S1	80 oct.470' hill WNW.
Equinox(Manchester)	1 E,riv E,N	700	18 S6	80 oct.Poleline,min E.
Fair Haven	1.5 N	370	20 S2	80 oct.Hills sur fld.
Hartness (Springfield)	3.8 NNW,riv E	570	20 S6	80 oct.
Rutland	5.8 SSE,hwy W	784	40h L3 S4	80 oct.No sto.All lgts
Twin State (White River Junction)	1 SW,riv,RR E	540	19h S6	80 oct.Hill NW prior req
← Hammonasset(Madison Conn)	2 E, hwy N	15	12	80 oct. Trees W

a-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page 4111) NC-(not charted). → New or revised data.

RADIO

MAINE

LOCATION	FREQS. IDENT.	STA. CLASS, BEAR. & DIST.	FREQ.,GUARD HRS. OF OPER.REMARKS
BRUNSWICK NAS	382 (NSM)	SRAZ; 84°,4	(3)
PORTLAND	2[illegible](PW)(118.1)	BMRLZ-VDT,149°, 2.2	(4), 116.1
YARMOUTH FM(Navy)	(- - -)	FM,264°,11.4	Brunswick NAS

MASSACHUSETTS

BEDFORD (Navy)	522 (DBH)	MH	Oper cont.
Bedford AAF	212 (126.18)	CA	(3), 126.18
BOSTON (Logan)	263(BW)(116.1)	SBRAZ-VDT,238°, 2.2	(3), 116.1
BRANT ROCK FM(Navy)	(- -)	FM, 141°, 20.5	Squantum NAS
EASTON FM (Navy)	(- - -)	FM, 218°, 17.7	Squantum NAS
EVERETT LFM	(. - - -)	LFM, 298°, 4.2	Boston
FRANKLIN FM	(. . - - -)	FM, 238°, 28.7	Boston
→ LOGAN (Boston)	278 (118.7, 126.18,118.1)	AC	(4), 131.9,118.7, 126.18,118.1
PEABODY FM	(-)	FM, 310°, 9	Boston
SOUTH BOSTON LFM	(- - -)	LFM, 238°, 4.7	Boston
SOUTH WEYMOUTH (Navy)	420 (NFR)	BMRLZ	(3), 142.74 days on req.
South Weymouth NAF	3295 (142.74)	CN, 82°, 3.1	3), 142.74, (8-1630,Mon.-Fri.)
SQUANTUM (Navy)	472 (NZW)	BMRLZ	(3),142.74 flt opers.
Squantum NAS	323 (142.74)	CN, 321°, 3.5	3105,4495,142.74 (8-30 min before sunset)

NEW HAMPSHIRE

BOSCAWEN FM	(- - - -)	FM, 332°, 14.2	Concord
CONCORD	251 (CN)(116.1)	BMRLZ-VDT,327°, 2.1	(4), 116.1
GRENIER(Manchester) (Army)	338 (DUR)	SBRAZ, 352°,4	

RHODE ISLAND

CHARLESTOWN NAAS	3295 (142.74)	CN	3105,142.74 (GCA)
GREENE (Providence)	278 (126.18)	C	(4),116.1,131.9, 126.18
PROVIDENCE(Greene)	347 (PR)	BMRLZ-DT,480,3.5	(3)
QUONSET POINT(Navy)	356 (NCO)	BMRLZ	3105; 142.74
Quonset Point NAS	227(142.74) (126.18)	CN, 339°, 2.3	(3),142.74,140.58, 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (FEDS COMPASS LOCATORS)

S-Simultaneous Range and Voice. W-Without Voice. Z-VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

CONNECTICUT

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Fostoria (Stonington)	1 NE,RR S	5	18 S4	80 oct.Lgt acft only
Plainfield	1.5 SSW,RR E	160	21 L S6	80 oct.Port rnwy lgts
*Putnam Int,14,LG-DW	1.7 WSW,riv E	460	22 L3	Pole line N,poles NE

MAINE

Biddeford	2 SSW,RR NW	110	22 S2	80 oct.Poleline SE.
(N)Brunswick NAS(N)	1.5 SE,RR N	77	60h R1	INACTIVE
Douglas (Brunswick)	3.5 W,RR SE	170	15	
Hilltop (West Buxton)	0.8 WSW,RR S	300	22 S4	30 oct.Poleline ESE

h-hard surfaced runways. R-radio facilities L-lighting facilities. S-servicing. (See page xiii) NC-(not charted)

MAINE

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Merrymeeting (Bowdoinham)	1 SSE,riv E	60	18 S1	80 oct.Trees N, S.
PORTLAND	2 W,riv E	60	43h R1 L5 S6	80, 91 oct.
Port of Maine (South Portland)	1.8 SSW,RR E	40	22 S3	80 oct.Poleline SSE, NE, SW.
Riverside Airpark (Brunswick)	1 WNW,RR S	60	18 S4	80 oct. No sto. Trees NNW.
(P)Sanford	4 SE,hwy N	243	60h L5 S6	80, 91 oct.
Scarboro	2 W,RR SSE	20	25 S2	80 oct.
Kennebunk	2 S,rd E	120	20 S2	80 oct.Trees S.Data not verified.
Stover (Freeport)	4 NNW	200	12 S2	80 oct.Data unverified

MASSACHUSETTS

Ames (Brockton)	3 WSW,RR W	120	20 S6	73 oct. RR S.
Auburn	2 SW,RR W,E	700	15	Lgt acft only.
Ayer	1.5 NW,riv W	268	52h	
(A)Bedford AAF (A)	1 S	128	50h R2L5 S6	80, 100 oct.
(CG)Beverly	3 NW,lake E	108	50h L5 S1	80,91 oct.
Bolton (Clinton)	2.3 NE,RR W	400	17 S6	80 oct.Trees around fld. RR S.
Boston-Metropolitan (Canton)	1 W,riv V	50	21 S6	80, 91 oct.
Brockton	2 S,hwy E	128	15 S6	80 oct.Poles E,W.
Cape Cod (West Barnstable)	2.1 SW,lake SW	100	25 S2	80 oct.
Country Club(Wareham) (NC)	1.3 E,riv S	25	17	Pole line,trees N.
Chatham	1.7 WNW,hwy S	66	14 S4	80 oct.Pole line N.
Eastham Thundertown	5 N	45	16 S3	(Orleans) Data unverif.
Edgartown	2 S,rds E,NW	20	30 S4	30 oct. No sto.Pole
Falmouth (NC)	2.5 NE	40	18 S4	80 oct.Data not verified. line NE
Fitchburg	2.5 SE,bet RRs	334	45h S6	80 oct.Knolls,dike S.
Franklin-Norfolk (Norfolk)	2.5 WNW RR SSE,NW	140	20 S6	80 oct.Pole line S.
Grafton (No.Grafton)	0.7 SSW,riv N	450	30 S6	80 oct.Wooded hill S
Groton	4.6 WNW,RR W	280	28 S6	80 oct.
Haverhill	2 NNE,lake S	125	17 S6	80 oct.Stack S;pole line NW.
HYANNIS	1.2 N,RR E	56	41h S4	80, 91 oct.
King (Taunton)	4.5 ESE,RR N	45	26 S6	73 oct.Poleline NNE.
(P)LAWRENCE	2.5 ENE,lake E	155	40h L5 S6	91 oct. Pole line SSE.
Leicester	2 N	1140	15h S4	80 oct.Reservoir SE.
(A,N) LOGAN (Boston)	1.5 E in harb.	12	40hR2 L4 S6	80,91,100 oct.Rdo req.
Mansfield	2 SSE,RR NE	124	25 S2	80 oct. .Poleline NW, NE.
Marlboro	2.4 E,RR WSW	265	15 S2	80 oct.Ridge SSE,NW
MARTHA'S VINEYARD (Vineyard Haven)	4.3 S,rd S	68	38h L5 S2	80,91 oct.Lgts prior req.Obsts SE side.
Mendon	0.3 S,lake W	450	18 S4	80 oct.No sto.Pole line N,NW.
Myrtle's	0.8 N,RR SW	65	20 S4	80 oct.Pole line S.
→ NANTUCKET	2.6 SE,rd N	47	40h L S6	80,91 oct.Port lgts.
(P)New Bedford	2.5 NNW,RR W	78	50h	RR S.
Norwood	1.8 E,riv E	55	40h S1	80, 91 oct.
Oak Bluffs	0.8 SW,rd W	20	20 S4	80 oct.Trees E,SE.
(N)Otis NAAS(Falmouth)	9 NNE	126	70h	INACTIVE. (N)
Plum Island (Newburyport)	2.3 SE,riv N	15	25 L1 S6	80 oct.Pole line E.
Providence (Seekonk)	2.1 ESE,rd NE	25	17 S4	80 oct.Pole line NNE

MASSACHUSETTS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Shawsheen Pines (Billerica)	2.7 E,RR NE	110	17 S4	80 oct.No sto.Trees NE,E,SE.
Sherman Memorial (Mansfield)	3 SSW,RR W	130	17 S1	73 oct.Trees sur fld
(N)South Weymouth NAF	1.5 SSE,RR W	152	45 R2 L5 S4	100 oct.B-2 lgts.(N)
(N)Squantum NAS (N)	0.8 W,bay N	10	41h R2 L5 S4	91,100 oct.No sto.No ngt flying.
Westboro	1.9 WNW,hwy N	310	15 S6	80 oct.Rnwy data unverified.
Wilkins (No.Attleboro)	2 NE,lake NW	200	18 S6	80 oct.Poleline ESE
WORCESTER	3.5 W,RR SE	1009	55h	
Spencer	2 NE	1100	15	Data unverified.
Plymouth	SSE	149	25	Data unverified.
Revere	1 N	20	21h L S6	80,91 oct.Port lgts,fee.
Richardson (Dracut)	2 NNW Lowell	115	15 S4	Data unver Data unver.

NEW HAMPSHIRE

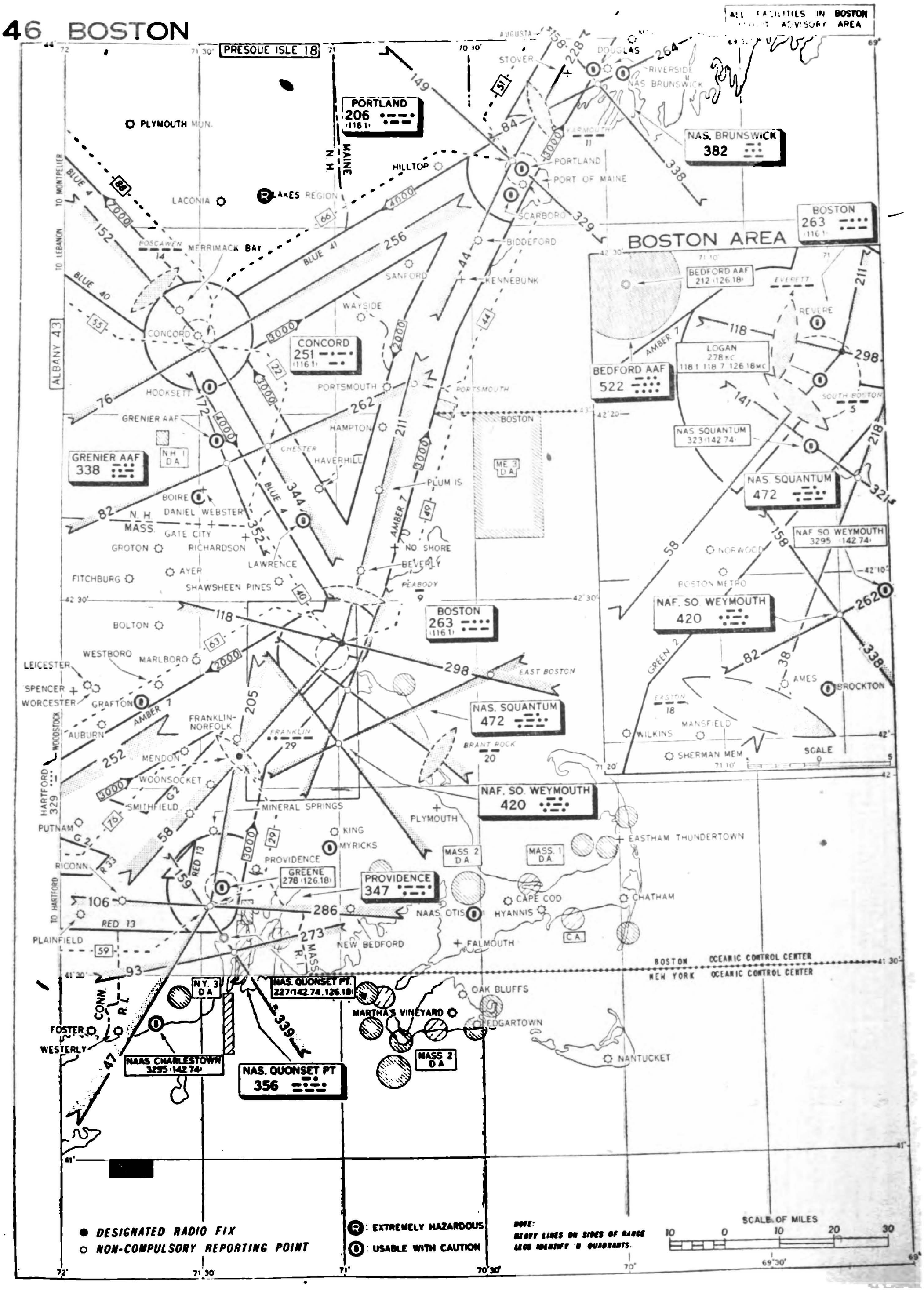
Boire (Nashua)	2.8 WNW,RR N	185	20h L3 S6	80 oct.Lgts prior req
CONCORD	1.5 E,riv W	346	40h R1 L5 S6	80,91 oct. Pole S.
Daniel Webster (Nashua)	3.5 NW,riv E	192	24 S6	80,91 oct.Data not verified.
(A)Grenier (Manchester)	4 S,RR E	230	70h R1	CLOSED (A)
Hampton	1.6 N,RR W	80	22 S5	80 oct.No sto.Trees N, S.
Hooksett Land & Seaplane	2 S,RR E	187	32 S6	80 oct. No sto.
Laconia	3.8 NNE; RR S	536	35h L5 S6	73,80,91 oct.Fld lgts prior req.
Lakes Region (Wolfeboro)	2.6 W,RR E	580	14 S1	80 oct.No sto.
Merrimack Bay (Concord)	5 NNW,RR W	260	15 S2	80 oct.Poleline S.
Plymouth Mun.Arpk.	3.5 WNW,RR N	506	18 S2	Ltd 80 oct.Poleline N
(P)Portsmouth	3 W,bay W	94	50h L5 S6	80,91 oct.
Wayside(Sommersworth)	2.4 W,RR N	200	12 S2	80 oct.Trees SSE.
Gate City (Nashua)	4 S		23 S4	80 oct. Data unver

RHODE ISLAND

(N)Charlestown NAAS (N)	1.9 SW,hwy N	32	58h R1 L5 S1	91, 100 oct. No bcn.
Greene (Providence)	7 S,RR W	53	41h R2 L5 S6	80, 91 oct.
Mineral Springs (Providence)	4.6 NW,hwy E	240	11 S4	73 oct.No sto. Trees surround field.
(N)Quonset Point NAS (Providence) (N)	16.5 S	14	60hR2L5 S6	91, 100 oct.
Riconn (Greene)	1.8 WNW,RR S	390	15 S4	80 oct.
Smithfield	1 NE,RR W	400	17 S6	73 oct.
Westerly	2.4 SSE	81	40h	Riv. E.
Woonsocket	2.5 E,	400	20 S2	80 oct.Riv WSW
→ North Shore(Essex, Mass)	Adj NW	20	15 S1	Data unverified.

→ NEW OR REVISED DATA.

46 BOSTON


ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
PRESQUE ISLE 18
PORTLAND 206 (116.1)
PLYMOUTH MUN.
LACONIA
LAKES REGION
HILLTOP
AUGUSTA
STOVER
DOUGLAS
RIVERSIDE
NAS BRUNSWICK
YARMOUTH
PORTLAND
PORT OF MAINE
NAS. BRUNSWICK 382
SCARBORO
BIDDEFORD
KENNEBUNK
SANFORD
WAYSIDE
CONCORD
CONCORD 251 (116.1)
HOOKSETT
PORTSMOUTH
GRENIER AAF
HAMPTON
CHESTER
HAVERHILL
GRENIER AAF 338
N.H. I D.A.
BOIRE
DANIEL WEBSTER
N. H.
MASS.
GATE CITY
GROTON
RICHARDSON
AYER
FITCHBURG
SHAWSHEEN PINES
LAWRENCE
PLUM IS
NO. SHORE
BEVERLY
PEABODY
BOSTON 263 (116.1)
BOLTON
WESTBORO
MARLBORO
LEICESTER
SPENCER
WORCESTER
GRAFTON
AUBURN
FRANKLIN-NORFOLK
FRANKLIN
29
MENDON
WOONSOCKET
SMITHFIELD
MINERAL SPRINGS
BRANT ROCK
20
NAS. SQUANTUM 472
EAST BOSTON
NAF. SO. WEYMOUTH 420
PLYMOUTH
PUTNAM
RICONN
KING
MYRICKS
PROVIDENCE
GREENE 278 (126.18)
PROVIDENCE 347
MASS 2 D.A.
MASS. 1 D.A.
EASTHAM THUNDERTOWN
CAPE COD
CHATHAM
NAAS OTIS
HYANNIS
C.A.
PLAINFIELD
NEW BEDFORD
FALMOUTH
BOSTON OCEANIC CONTROL CENTER
NEW YORK OCEANIC CONTROL CENTER
N.Y. 3 D.A.
NAS. QUONSET PT. 227 (142.74, 126.18)
NAAS CHARLESTOWN 3295 (142.74)
NAS. QUONSET PT 356
OAK BLUFFS
MARTHA'S VINEYARD
EDGARTOWN
MASS 2 D.A.
NANTUCKET
FOSTER
WESTERLY
BOSTON AREA
BEDFORD AAF 212 (126.18)
BEDFORD AAF 522
LOGAN 278 KC (118.1 118.7 126.18 MC)
REVERE
EVERETT
SOUTH BOSTON
NAS. SQUANTUM 323 (142.74)
NAS. SQUANTUM 472
NAF SO WEYMOUTH 3295 (142.74)
NORWOOD
BOSTON METRO
NAF. SO. WEYMOUTH 420
AMES
BROCKTON
EASTON
MANSFIELD
WILKINS
SHERMAN MEM
SCALE
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
D: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'D' QUADRANTS.
SCALE OF MILES
10 0 10 20 30

SAN FRANCISCO

ALL FACILITIES IN OAKLAND FLIGHT ADVISORY AREA

MEDFORD 19

LAMPSON 36 S

HOBERG

NORTON SKY RANCH

ALEXANDER VALLEY

SANTA ROSA 45H S

NAAS, SANTA ROSA 70H L S

SANTA ROSA

JUSTMAN

COTATI OLF 40H

PETALUMA

CALIF. 16 D.A.

HAMILTON AAF 528

HAMILTON AAF-(-2) 80H L S-219 (126.18)

MARIN CO.

SAUSALITO 18

FARALLON IS. 379

GOLDEN GATE

SAN FRANCISCO 227

HALF MOON BAY 11

EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.

FOR DETAILS IN THE SAN FRANCISCO AREA SEE CHART 50

FAIRFIELD-SUISUN AAF 248

FAIRFIELD SUISUN AAF-57 81H L S-272 (126.18)

NAPA SKY RANCH

OAK VIEW

NAPA CO. 53H S

FAIRFIELD SUISUN 30 S

STAN'S AIRPK

VALLEJO

MARTINEZ

RED 46

GREEN 3

RICHMOND

GREEN

BAY POINT 24

YOLO FLYERS 34 S

WINTERS 60H

WILLIAMS 326

AMBER 1

BLUE 10

BRANSTETTER

UNIVERSITY

OAKLAND 335 (116.1)

NEWARK 16

BELMONT

AMBER 1

EVERGREEN 38

BLUE 7

EVERGREEN

VALLEY

AMBER 1

WATSONVILLE NO.1 45 H L S

SANTA CRUZ

WATSONVILLE NO.2 17H

CALIF. 6 D.A.

AMERICAN LEGION 31 S

MONTEREY PENINSULA 50H S

SALINAS-84 50H S

CARMEL VALLEY 28 S

HOLLISTER 44H L S

SALINAS 266

BLUE 46

KING CITY 46H

AMBER 8

YELLOW

BLUE PASO ROBLES(VHF) 108.7

CALIF. 15 D.A.

OVER

LINCOLN 40H

MC CLELLAN AAF-73 70H L S-396 (126.18)

GREEN 3

BLUE 10

DONNER SUMMIT 10

AUBURN 31 L S

AUBURN

39

SACRAMENTO-21 60H L S-278 (126.18)

PLACERVILLE

MATHER AAF 476

MATHER AAF-87 75H L S-201 (126.18)

MATHER AAF

SACRAMENTO 236 (116.1)

SKY RANCH 28 S

BORGES CLARKSBURG 25 S

MOTHER LODE

LINDS 33 S

FRANKLIN 40H

LODI

ORANGE BROS.

WEST LANE

KINGSBURY 40H

STOCKTON 45 H L S

SUMMER HOME

NEW JERUSALEM 40H

MODESTO 40H S

NAAS, CROWS LANDING 70 H

GUSTINE

LOS BANOS 32 S

DOS PALOS 29 S

LOS BANOS 61

EAGLE

FRESNO 344

TO FRESNO

TO WHEELER RIDGE

TO SANTA BARBARA

SANTA BARBARA 50

● DESIGNATED RADIO FIX

◇ NON-COMPULSORY REPORTING POINT

Ⓔ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF AIRWAYS LEGS INDICATE "E" CHARACTER.

AIRPORTS LESS THAN 3000 FT. OR LIGHTED, MARKED UNLIGHTED OBSTACLES AND NO LIGHTS, CANOPY OR CLOSED OR AIRPORT BOX

SCALE OF MILES

10 0 10 20 30

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT	(3);126.18 cont;4220 kc on req.
Fairfield-Suisun AAF (Army)	272 (126.18)	CA; 210°, 4.7	(3); 4220;126.18 (GCA)
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ	
Hamilton Field	219 (126.18)	CA, 160°, 2.1	(3);126.18.4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER (Sacramento)(Army)	388 (DIM)	MRLW‡	On req., 30 min. notice.
Mather Field	201 (126.18)	CA; 298°, 8.9	(3); 126.18
Mather Army (H fac.)	476 (DIM)	H	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX,199°,0	(4); 116.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-VDT	(3); 116.1
Sacramento Airport	278 (126.18)	C; 220°, 1.7	(4);126.18
→ SALINAS	266 (SB)	MRLW , 310°,2.4	
SAN FRANCISCO	227 (SF)	SBMRLZ-DT,291°,3.6	(3)
SANTA ROSA NAAS (NC)	3295 (142.74)	CN	(3); 142.74 (req. only)
SAUSALITO FM	(- - - -)	FM, 278°, 17.5	Oakland

S-Simultaneous Range and Voice; W-Without Voice, Z-VHF Station Location Marker at Range Station; (3)-3105, 4495, 6210 kcs; (4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15	Trees S.
American Legion(Salinas)	1.8 NNW	75	31	
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg (Clarksburg)	2.4 NNE,riv SE	15	25 S6	80 oct.No sto.Power line E.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver.
Carmel Valley	12.5 ESE,riv S	450	28 S4	80 oct.No sto.
(N) Cotati OLF (N)	1.5 N,RR E	94	40h	INACTIVE. Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	INACTIVE.
Dos Palos	1.6 S,RR W	146	29 S6	80,91 oct.No sto.Pole line S.
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.No sto.
Fairfield-Suisun	1 E,RR N	7	30 S5	80 oct.Poles N,S.
→ (A) Fairfield-Suisun AAF (A)	5.5 NE	57	81h R2 L5 S4	73,91,100 oct.FOREIGN CLEAR. STN.
Franklin	5.5 SSE; riv E	21	40h	
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	-2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	16 S4	80 oct.No sto.
King City	1.5 NNE,RR W	360	46h	
Kingsbury (Lodi)	6 WSW	15	40h	RR NE.
Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.
Lincoln (Sacramento)	3.2 WNW,RR NE	120	40h	
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.No sto.Poles E.
Lodi Airpark	4.5 SW,RR W	25	28 S6	80 oct. Hwy E.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE,RR W Hwy W	2	17 S4	80 oct
Martinez	0.8 N,RR S	6	20 S6	80 oct.Hill WSW.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	87	75h R2 L5 S6	91,100 oct. No sto.
Modesto	2.2 ESE,riv S	100	40h L1 S6	73,80 oct.Bcn prior req.
(P) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L2 S1	80,91 oct.Lgts prior req.Data unver.
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	40	18 S5	80, 91 oct. Hwy W req.
New Jerusalem(Tracy)	8 ESE	56	40h	River E.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	20 S1	80 oct.Pole line WNW.
Orange Bros. (Stockton)	5 N	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
Petaluma	1.7 N,RR E,W	30	15 S4	80 oct.
→ (P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct. Pole line E.
→ Salinas	2.5 SE,RR SW	84	50h L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E,RR W	96	24 S1	80 oct.
Santa Rosa	7 NW,RR E	118	45h L5 S6	80,91 oct.Lgts on req.
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
→ (N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h R1 L5 S4	91, 100 oct. No sto.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S5	80,91 oct.Port rnwy lgts.Pole
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. line SE.
State Forestry(Davis)(NC)	3 E,hwy N	228	26	Power line W.
→ (A) Stockton	4 SSE,RR W,SW	27	45h L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW,RR E	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct.
Valley (Morgan Hill)	1.2 S,hwy E	540	17 S1	80 oct.Pwr pole SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW,bay W	125	17h	
West Lane(Stockton)	4.1 N,RR W	25	25 S1	73, 80 oct.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	97	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S4	80 oct.No sto.Port rnwy lgts. Poles E.
Placerville	1.5 SE,hwy NW	2550	32	Use in emerg. only.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(116.1)	SBMRAZ-VDT,141°,1.5	(3); 116.1
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
BELMONT	356 (F)	FMK; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
KERN COUNTY, BAKERSFIELD	278 (118.5)	C (ILS)	(4); 126.18,131.9,118.5. 142.74
LEBEC FM	(- -)	FM, 141°, 42	Bakersfield
MOFFETT NAS (Mountain View)	3295	CN	(3); 126.18, 142.74
MT. VIEW (Navy)(Moffett NAS)	323 (NUQ)	BMRLZ; 320°, 1.9	(3); 126.18,142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMK; 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX	(4); 116.1
Oakland Airport	278 (126.18)	AC (ILS); 199°, 0	(4);126.18,118.7,131.9 (GCA)
POINT MUGU NAF	338 (142.74)	CN	3105,6210; 142.74 (8-20)
SAN FRANCISCO	227 (SF)	SBMRLZ-DT	(3)
San Francisco Airport	269(126.18,118.9)	C; 291°, 3.6	(4); 126.18,118.9,131.9
SANTA BARBARA	230(OY)(116.1)	BMRLZ-VDT	(4); 126.18,142.74,116.1
→ Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4); 118.7,131.9 (7-23)
SAUSALITO FM	(- - - -)	FM; 278°, 17.5	Oakland
PASO ROBLES, CALIF.	(108.7)(OB)	VARW	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. REAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Kern County, Calif.	109.9		300°Mag.	IM- (.07)	MM- ····· (.80)	OM- -- (4.71)
					MMK-	OMK-
Oakland, Calif.	109.9		273°Mag.	IM- ····· (.12)	MM-	OM- -- (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105, 4195, 6210 kcs; (4)-3105, 4195, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

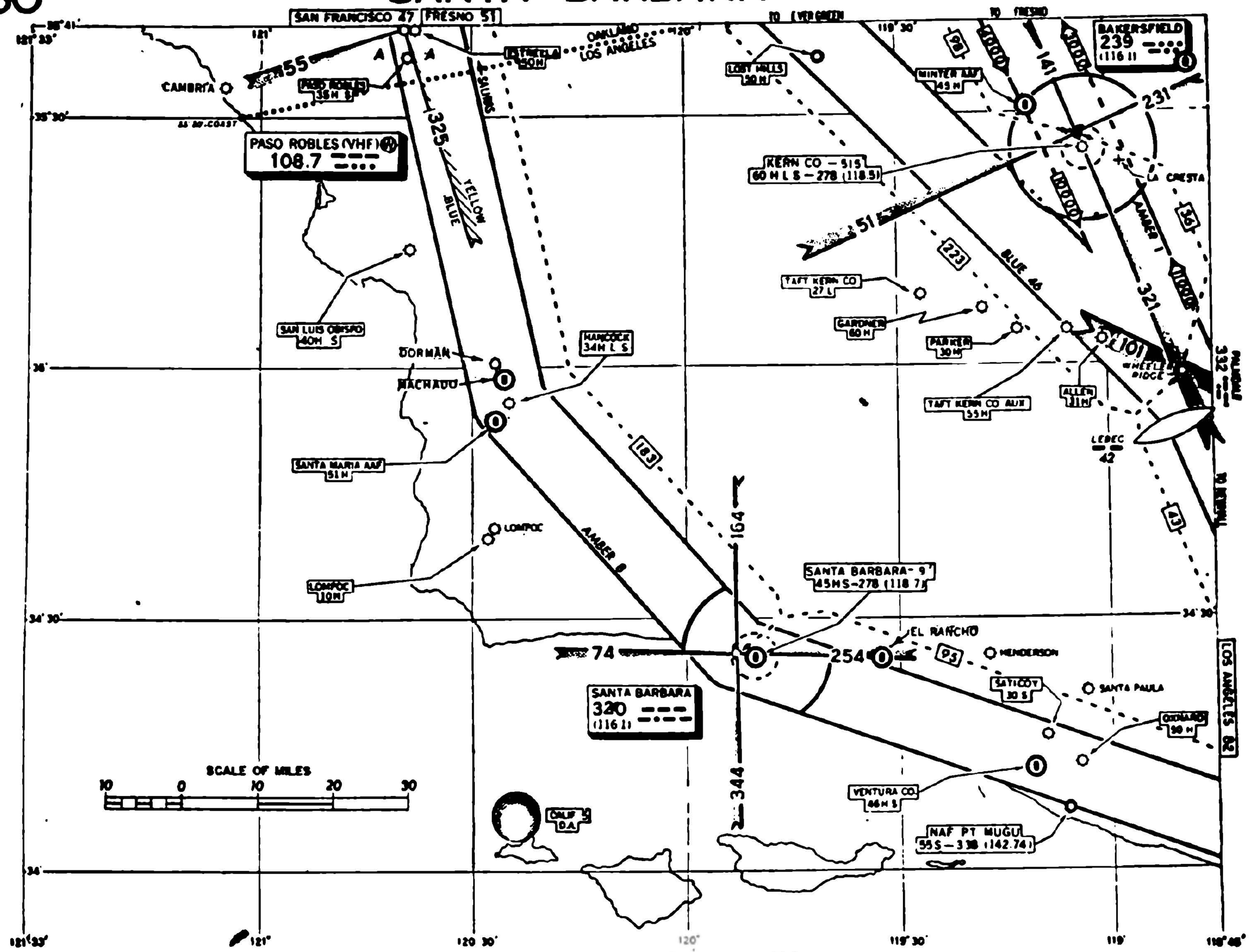
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay SW	15	52h R1 L5 S6	91,100 oct.No sto.NAFC.
Allen (Taft)	26 ESE	500	31h	
→ Bakersfield-Kern Co. #2 (Bakersfield)(NC)				ABANDONED
Bay Meadows (San Mateo)	1.4 SE,RR W	6	26 L3 S6	80,91 oct.Bldg SSE.No bcn. Strip lgts prior req.
Belmont	0.5 N,RR W	5	30 S4	73,80 oct.No sto.Bay E.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
→(N) Concord (N)	1.9 NE,hwy S	104	40h	C-L-O S E-D
Contra Costa Co. (Concord)	1.5 NW,hwy S	23	50h	
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
Estrella (Paso Robles)	4.5 NE	806	50h	Use in emergency.
Gardner (Taft)	9 ESE,RR SE	444	60h	
Half Moon Bay	5.5 NW,hwy NE	36	50h	
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwr line,twr W.
Hayward	2 WSW,RR W	25	55h L5 S6	80,91 oct.No sto.Fld lgts prior req
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct.
(P) KERN COUNTY (Bakersfield)	4.4 NNW,RR W	515	60h R3 L5 S1	80, 91 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unver.
(N) Livermore NAS (N)	3.7 E,RR N	626	42h	INACTIVE.
(N) Livermore OLF (N)	2 WNW,hwy E	448	40 L2	Poles E,N.Twr NE.
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	INACTIVE.
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	410	45h	INACTIVE.

h-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page xiii) NC-(not charted). → New or revised data

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	70h R2 L4 S4	91,100 oct.No sto.
Mountain View	2.2 NW,RR W	57	31 S6	73 oct.
(N) Oakland	5 S,RR SE	5	62h R3 L6 S6	73,80,91,100 oct.2-way rdo req.
→ Oxnard Landing Strip	5.5 E,RR S	78	50h	Use in emergency.
Palo Alto	2 ENE,bay E	5	23 L S6	73,80 oct.Port.rnwy lgts.Poles S
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct.
(N) Point Mugu NAF (N)	3.6 NW		55 R1 S4	73,91,100 oct.Twr,hi-line E.
Reid-Hillview (San Jose)	4 E,hwy N	200	27 L3 S6	80,91 oct.No sto.or bcn.Poles N,
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE. S.
(P) SAN FRANCISCO	9 SSE,bay E	10	80h R2 L5 S1	80,100 oct.No sto.Rdo req.
San Jose City (San Jose)	2 NW,RR SW	70	18 S6	91 oct.No sto.Pwr line S.
(P) San Luis Obispo	2 SSE,hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE,RR E	6	15 S6	80,91 oct.No sto. Hwy W.
San Ramon	2.5 SE,RR adj E	440	25 S2	80,91 oct.
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Fld lgts till 2300
(A) Santa Maria AAF (A)	3.5 S,hwy E	258	51h	INACTIVE.
Santa Paula	0.8 S,riv S	240	22 L S6	80 oct.Port.strip lgts prior req.
Saticoy	1.5 S,RR N	80	30 S1	80,91 oct.No sto.Trees NE.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE,RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tracy #5	3.6 S	190	40h	
Ventura County (Oxnard)	1 W,hwy E	44	46h L S6	80,91 oct.Flares prior req.
Vernalis	2.3 S	212	70h	
Warm Springs	2.3 SSE,RR W	100	29 S6	91,80 oct.No sto.
Cooley (San Carlos)	2.9 NNW,RR S	6	21 S6	80,91 oct. Hwy SW.
Dorman (Santa Maria)	4 N,RR SW	380	23 S1	80 oct.
El Rancho Arpk (Carpenteria)	2.3 WNW,RR SW	11	18 S1	80 oct.
Machado (Santa Maria)	2.2 N,RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E, road SW	125	26 S4	91 oct.
→ Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.

SANTA BARBARA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

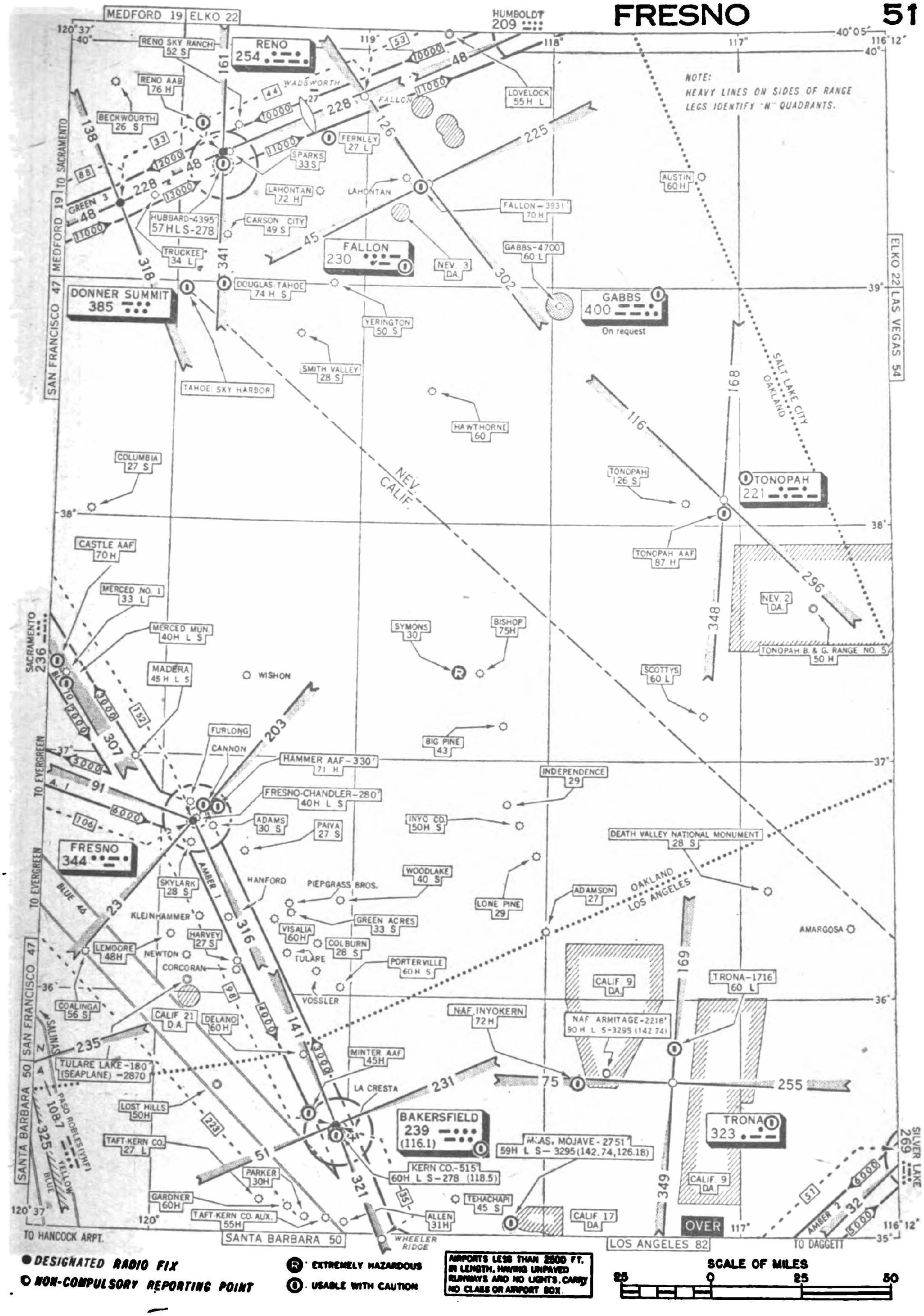
NOTE.
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE -B COURSEWIDTH.

AIRPORTS LESS THAN 2000 FT. OR LIGHTED, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SYM.

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

FRESNO 51



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ EXTREMELY HAZARDOUS

Ⓞ USABLE WITH CAUTION

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS OR AIRPORT BOX.

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS OF OPER., REMARKS
ARMITAGE (Inyokern)	3295(142.74)	CN	(3);126.18.142.74(days)
BAKERSFIELD (Kern Co.)	239 (BD)(116.1)	SBMRAZ-VDT, 141°, 1.5	(3);116.1
DONNER SUMMIT	385 (DS)	BMRL-DT	(4)
FRESNO (Fresno-Chandler)	344 (FT)	SBRAZ-DT,23°, 0.9	(4)
KERN CO., (BAKERSFIELD)	278 (118.5)	C(ILS)	(4);126.18.131.9,118.5, 142.74
MOJAVE NAS	3295(126.18)(142.74)	CN	(3);126.18.142.74
TRONA (Int.)	323 (EW)	SBMRAZ-DT, 349°,11	(4)Not manned cont.
TULARE LAKE SEAPLANE ANCHORAGE	2870	CN	
NEVADA			
FALLON	230 (VA)	SBRAZ-DT, 219°, 2.9	(4) Not manned cont.
GABBS (Int.)	400 (GZ)	MHF	(4) not manned cont.
HUBBARD FLD. (Reno)	278	CI	(4); Wed,Sat,Sun 6-19, other days 8-1630)
RENO (Hubbard)	254 (RF)(116.1)	SBRAZ-VDT,161°,3.3	(4); 116.1
TONOPAH (AAF)	221 (RY)	SBRAZ-DT.168°.2.8	(4) not manned cont.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
KERN CO., CALIF.	109.9		300° Mag.	IM (.07)	MM ·····(.80)	OM -- (4.71)
				MK	MMK	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct.No sto.Poleline NNW,SSE.Port rwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W; 75' twr E.
Allen (Taft)	26 ESE	500	31h	
Amargosa (Death Valley Jct)	0.7 W;hwy E	2037	22 S1	73 oct. Pole line S. ABANDONED
→ Bakersfield-Kern Co.#2(NC)				
Big Pine	3.4 ESE;RR W	4000	43	1500'mts SE;1000' mts E.
Bishop	2 ENE;riv E	4121	75h L5	All lgts prior req.
Bryant (Bridgeport)(NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N;RR W	310	19 S6	80 oct.Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	180	70h	CLOSED.
Coalinga	1.5 N;hwy E	664	56 S4	80 oct. Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;rd S	220	19 S4	73,80 oct.No sto.Poles N, NW SE
Cornell (Porterville)(NC)	2.4 SSW;RR E	470	26	Poles SE.
Death Valley (Furnace Creek)	1 WNW	-178	28 S2	87,100 oct.
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
Delano	1.5 SE;RR W	315	60h	
FRESNO-CHANDLER (Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91,100 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct.
Gardner (Taft)	9 ESE;RR SE	444	60h	
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	33 S6	80 oct.Pole line SE.
(A) Hammer (Fresno)(A)	4.8 NE;rds N,E	330	71h	INACTIVE.
Hanford	1.2 SE;RR W	250	20 S4	80 oct.
Harvey (Corcoran)	2.7 NNW;RR W	200	27 S4	80 oct.No sto.
Independence	0.9 N;hwy W	3926	29	Trees S.
Inyo County (Manzanar)	0.5 E;hwy W	3875	50h L5 S2	80 oct.All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW; RR E	2455	72h	INACTIVE.
(P) KERN COUNTY (Bakersfield)	4.4 NNW;RR W	515	60h R3 L5 S1	80,91 oct.
Kleinhammer (Lemoore)	1.2 N;hwys S	225	16 S2	80 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unverified.
Lemoore	9 SW;RR NW	241	48h	
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	INACTIVE.
(N) Armitage NAF (Inyokern)(N)	8 ENE	2218		91,100 oct.No sto.CLOSED
Boston Land Co.(Westhaven)	1.7 SSW;hwy N.	300	32	(NC)

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. see page XIII (NC)-Not charted. → NEW OR REVISED DATA

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Madera	3.5 WNW;hwy E	271	45h L5 S4	80-100 oct. No sto.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) Merced, mun.	1.6 WSW;RR NE	152	40h L5 S6	80,100 oct.No sto.
Merced #1	2.5 NW;RR SW	165	33 L3	No beacon
(A) Minter (Bakersfield)(A)	13.5 NW;hwy E	410	45h	INACTIVE.
(N) Mojave NAS (N)	0.7 E;hwy W	2751	59h R1 L5 S6	91,100 oct. No sto.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USFS. (NC)
Newton (Stratford)	2.7 SSW;riv E	194	23 S4	80 oct.No sto.Pwrline N,NW
Paiva Intercity (Parlier)	1.5 WSW;RR NE	330	27 S4	80 oct.Poles ESE.
Parker (Taft)	15 SE	550	30h	
Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S2	80 oct.
Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
Sequoia (Visalia)(NC)	8.5 NNW;RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RRadj S	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28 S6	80,91 oct.
→ Symons (Bishop)				ABANDONED
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N; RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USFS.(NC)
★ Trona 13, RV-ND	5 NE;rd W	1716	60 R1 L3	Fld sur by mtns.
★ Truckee Int, 16B, SF-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec.-Apr.
Tulare	2.9 SSE; RR W	300	20 L S6	80,91 oct. No sto.Port rwy lgts
Tunnel (Olancha) USFS (NC)	16.5 WNW;riv S	9100	21	Mtns - timber 2000' NE.
Visalia	5 W;RR W	300	60h	
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S.
Wishon (Bass Lake) USFS	1.5 WNW	3380	22 S1	80 oct. Trees NNW.
Woodlake	2.6 ESE; lake NW	450	40 S4	80 oct. No sto.
NEVADA				
(P) Austin	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct.Mts N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h S6	73 oct.
★ Fernley Int, 22, SF-SL	3.3 E;hwy NW	4156	27 L2	
Fallon	6 SE;hwy S	3931	70h R1	Closed,emergency use only.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60 R1 L3	
(N) Hawthorne	2 N;lake NNW	4200	60 L	Emerg. lgtg on ½ hr req.
→ HUBBARD (Reno)	3.4 SE;RR N	4404	57h R2 L5 S4	80,91 oct. Fld lgts prior req.
Lahontan (Fallon)	1.4 SSW;hwy N	4000	24 S4	80 oct.Poles ENE,WSW.Hwy W
Lahontan Flight Strip (Fernley)	15.5 S;hwy N	4279	72h	
Lovelock	1.5 ENE;riv W	3986	31 S2	80 oct.
Manhattan (NC)	6.8 W;hwy W	5850	40	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	INACTIVE. Mtns sur flc.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct.Flare pots on prior req.
★ Scottys Int,22,RV-ND	9 SSE Gold Pt.	4300	60 L2	
Smith Valley	1 ESE;hwy N	4850	28 S6	73,80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5427	87h R1	INACTIVE.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;RR W	4483	50 S1	73 oct.
Tahoe Sky Harbor(Genoa,Nev.)	6 WSW;RR N	6230	42 S1	80 oct.

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Love)	347(PN)(116.1)	SBRAZ-VDT,142°,5.5	(4), 116.1

CALIFORNIA

NEEDLES	400(NJ)(116.1)	BMRLZ-VDT,195°,2.2	(4), 116.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-VDT,132°,1.9	(4), 116.1

NEVADA

CRYSTAL FM	(-)	FM, 28°, 30	Las Vegas
LAS VEGAS	206(LQ)(116.1) (111.1)	SBMRAZ-VDT	(3)131.7,116.1 only
Las Vegas AAF	278(126.18,118.7)	C (ILS), 28°, 1.9	(4), 131.9,118.7,126.18

UTAH

BRYCE CANYON (Int.)	108.3(BV)(111.1) (116.1)	VAR-VDPT,35°,0.8	3117.5,131.7,116.1, 129.7 cont.(3)req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-VDT,20°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-VT,20°,1	(4), 116.1
ST.GEORGE	108.7(GX)(111.1) (116.1)	VAR-VDP,229°,7.8	3117.5;131.7,116.1, 129.7.(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM: 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
LAS VEGAS AAF, NEV.	110.3		25° Lag	IM	MM ·--· (.56)	OM -- (4.2)	
					MMR	OMR	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (4)-3105,4495,6210,3117.5 kcs.; (3)-3105,4495,6210 kcs.; Parenthetical Numbers in the Frequency Column indicate VHF on which Voice is Available.

AIRPORTS — ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L3	
Clemenceau (Cottonwood)	1.7 SSW;hwy NE	3400	29 L1 S4	73 oct.
Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14.8 S,RR W	6362	65 S4	80 oct.Trees ENE,WNW. SSW.Rnwy data unver.
Kingman	8.5 NE,hwy NW	3395	65h	
Mohave Co.(Kingman)	6.5 NW,hwy E	2850	34 S1	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) NC-(not charted). → NEW OR REVISED DATA

ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Port Kingman (Kingman)	3 NE,RR S,E	3435	54 L3 S1	80,91 oct.All lgts prior req.
Valle	2.3 E,RR W	5990	60 L3	Fld lgts prior req.
Verde Valley (NC)	1.8 SE,riv W	3400	30	(Cottonwood)
Williams	4.3 N,RR E	6600	41 S6	80 oct.Mts SW.
Yucca	1.5 NE,RR W	1975	60h	

CALIFORNIA

* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
Needles	5.5 S,hwy E	918	58h R1 L3	
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE
* Silver Lake Int,18, LA-SL	2.5 SSE,RR E	924	40 R1 L3	Rnwy data unverif.

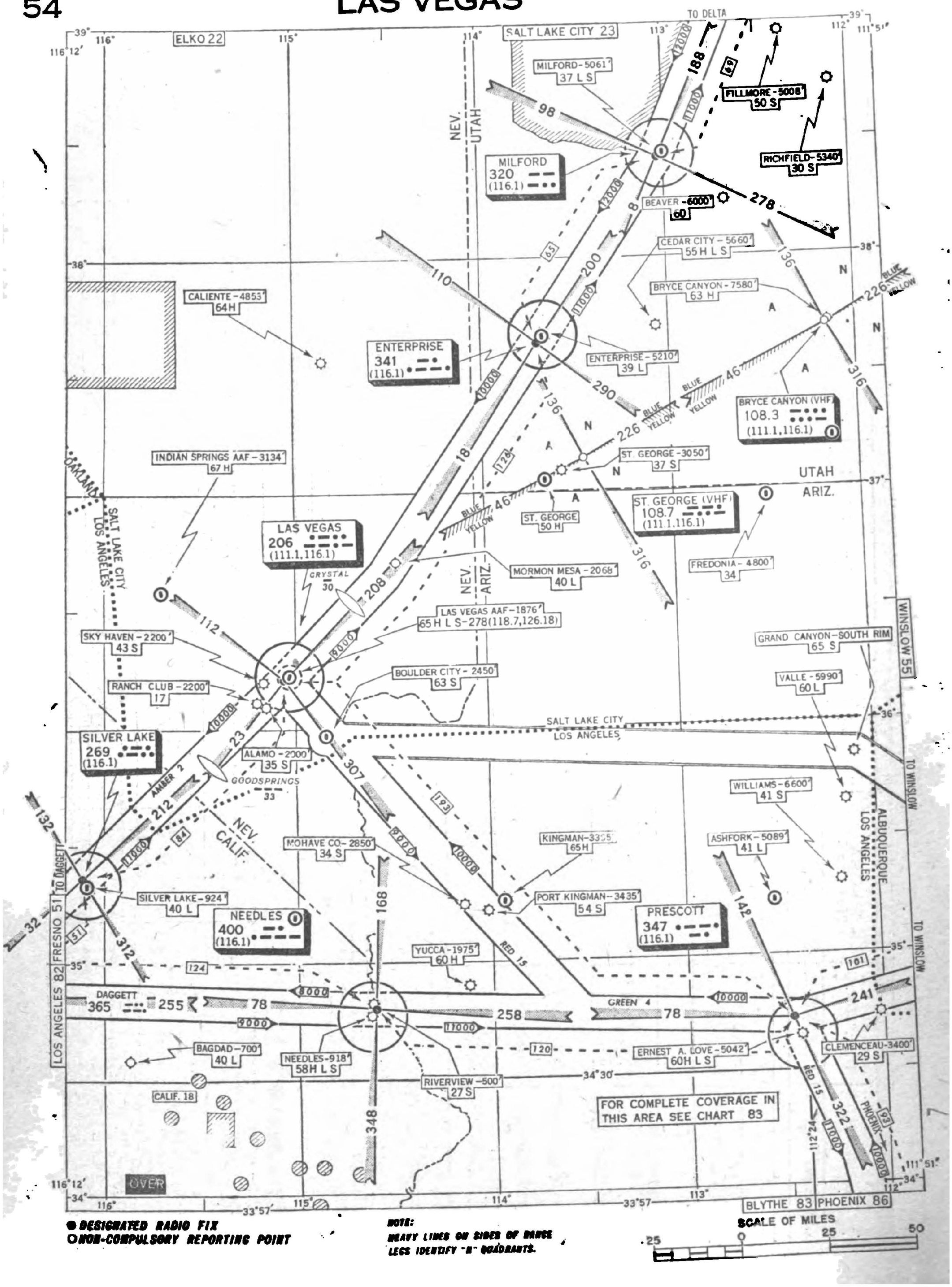
NEVADA

Alamo (Las Vegas)	5.5 SSW,RR SW	2000	35 S4	73,80,91 oct.
(N) BOULDER CITY	1.8 SW,RR W	2450	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3134	67h	INACTIVE.
(A) Las Vegas AAF(A)	7.8 NE,hwy NW	1876	65h R5 L5 S6	100 oct. No sto.
* Mormon Mesa Int, 31B,LA-SL	6 ENE Glendale	2068	40 L3	
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	5.5 SW,RR E	2200	17	Mts WSW,ENE,E.
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas)

UTAH

Beaver	3.2 SSW,hwy E	6000	60	
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
Cedar City	2.3 NW,hwy W	5660	55h L5 S6	80,91 oct.
* Enterprise Int,39	8 NNE,hwy N	5210	39 R1 L3	LA-SL
Fillmore	2 WSW,hwy SE	5008	50 S2	73 oct.
Milford,45,LA-SL	2.3 NNW,RR E	5061	37 R1 L3 S1	80 oct.
Richfield	1.8 SSW,RR E	5340	30 S4	80 oct.
St.George	1.5 SSW,riv SSE	3050	37 L2 S4	80 oct.Fld lgts & svcg prior req.
* St.George Int,36, LA-DV	6 SE		50h	

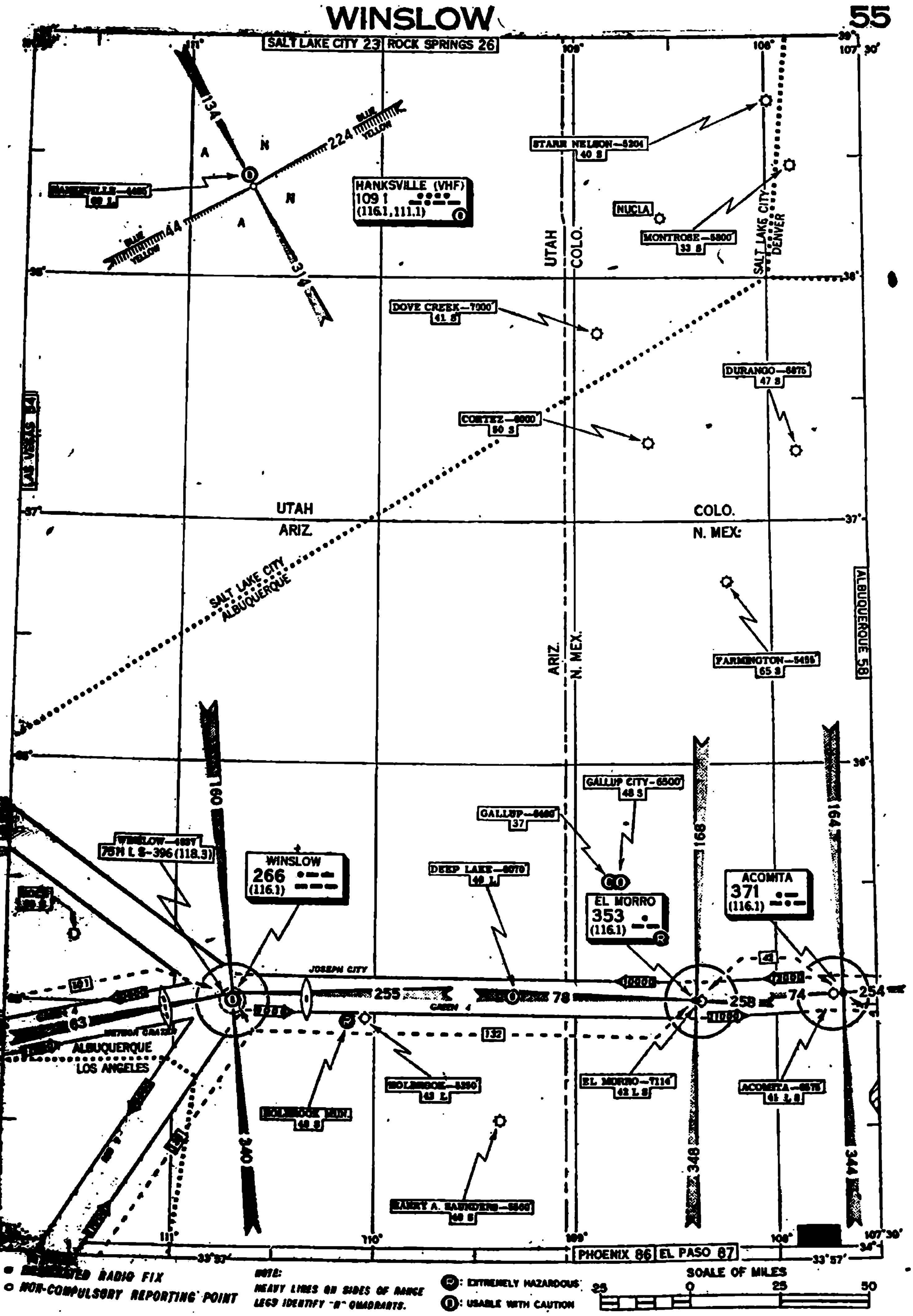
LAS VEGAS



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" BOUNDARYS.

WINSLOW



● SUGGESTED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

(R): EXTREMELY HAZARDOUS
(I): USABLE WITH CAUTION

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JOSEPH CITY FM	**(-)**	**FM, 75°, 20**	Winslow
METEOR CRATER FM	**(- - -)**	**FM, 243°,18**	Winslow
WINSLOW	**266(WO)(116.1)**	**SBRAZ-VDT**	(4), 116.1
Winslow Airport	**396 (118.3)**	**C, 160°, 1.5**	(4),118.3,131.9,126.18 (6-18)

NEW MEXICO

ACOMITA (Int.)	371(AK)(116.1)	BMLZ-VDT,254°,1.9	(4), 116.1
→EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-VDT,5°,0.1	(4), 116.1

UTAH

HANKSVILLE Int.	109.1(HY)(111.1) (116.1)	VAR-VDP,314°,2.8	Not manned cont. (3) on req,3117.5;116.1, 131.7,129.7

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1.4 NE;hwy W	4200	50	
★ Deep Lake Int,54A, LA-AQ	1.5 W;hwy E	6070	40 L3	Poles S.
Holbrook	2.2 NNE;RR SE	5200	48 S4	80 oct.
" Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L3	
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S1	Ltd 80 oct.Hills SW
Saunders, Harry A. (St. Johns)	1.1 NNW,hwy S	5560	48 S2	80 oct.25' poles NE
Window Rock(NC)	0.8 SSW;rd N	6800	52	Bluffs ENE,NNE
(P) WINSLOW	2 SW;RR N	4537	75h R2 L5 S1	91 oct.

COLORADO

(P) Cortez	3.1 SW;hwy E	6000	50 S4	80 oct.
Dove Creek	0.6 E;creek W	7000	41 S1	80 oct. Pwr line SSW
(P) Durango	1.5 NE	6875	47 S6	80 oct.
Mancos (NC)	1.4 NNE;RR S	7500	30	
Montrose	1.3 S,RR NE	5800	33 S4	73 oct.
Starr Nelson(Delta)	4 E;road N	5204	40 S4	80 oct.
→ Nucla	2.3 SSW,riv S	5910	36	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC) Not charted. → NEW OR REVISED DATA.

NEW MEXICO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy N	6575	41 R1 L3 S1	73,91 oct.in emerg.
Cubero (NC)	2.4 W;hwy S	6200	30	Pole line S. 11,000' mtns N.
★ El Morro Int,59B, LA-AQ	4.5 WSW;lake NW	7114	42 R1 L3 S1	Ltd 91 oct. Rough.
Farmington	1.4 NW on mesa	5455	65 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Poleline SSW
Gallup City	2.6 WSW;RR N	6500	48 S4	80 oct. Pole line WSW.
Indian Service (Shiprock) (NC)	1.8 SSW;riv N	5100	19	Pole line NW.
Aztec (NC)	2.2 NW on mesa	5700	28	Emerg only.

UTAH

★ Hanksville Int,54, LA-DV	4 NE	4455	60 L3	
Monument Valley (Goulding Trading Post)	0.5 N hwy E	5284	30	

RADIO

COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COLORADO SPRINGS (Peterson)	224 (CD)	MRLWZ,166°,3.9	
FOUNTAIN FM	(- - - -)	FM;344°,32.7	Pueblo
LA JUNTA AAF	281(LH)	SBMRLZ-DT;194°,2.6	(4)
PETERSON FIELD(Colorado Springs)	272 (126.18)	CA	(4);116.1,126.18
PUEBLO	302 (PU)	SBRAZ-DT;340°,2	(4)
TRINIDAD	329 (TD)	SBMRAZ-DT;170°,3	(4)

NEW MEXICO

ALBUQUERQUE (Kirtland)	230(AB)(116.1)	SBRAZ-VDT;354°,3	(3); 116.1
ANTON CHICO (Int)	219(AC)(116.1)	MHVT	(4); 116.1
CLOVIS (Army)	203 (DCV)	BMRAZ;340,6.2	(3)
Clovis AAF	526 (DCV)	HW-DT; 130°,1.6	
JUAN TOMAS FM	(- -)	FM; 71°, 18	Albuquerque
KIRTLAND FIELD (Albuquerque)	278 (126.18)(118.7)	AC (ILS)	(4);126.18.118.7.131.9
LAS VEGAS	359(VH)(116.1)	SBMRAZ-VDT;80,3.2	(4);116.1
MAXWELL FM	(- -)	FM, 170°, 54	Trinidad, Colo.
OTTO (Int.)	290(OT)(116.1)	BMRLZ-VDT;74°,0.2	(4); 116.1
PERALTA FM	(- - -)	FM, 174°, 11.6	Albuquerque
SANTA FE (New)	206(SJ)(116.1)	MHVT	(4); 116.1
SOCORRO	206(OS)(116.1)	MHVT	(4); 116.1
TUCUMCARI	212(YC)(116.1)	SBMRAZ-VDT;76°,2.2	(4); 116.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Kirtland, N.M.	110.3		340° Mag.	IM-	MM- .64	OM- 4.32
					MMK-	OMK-

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

COLORADO

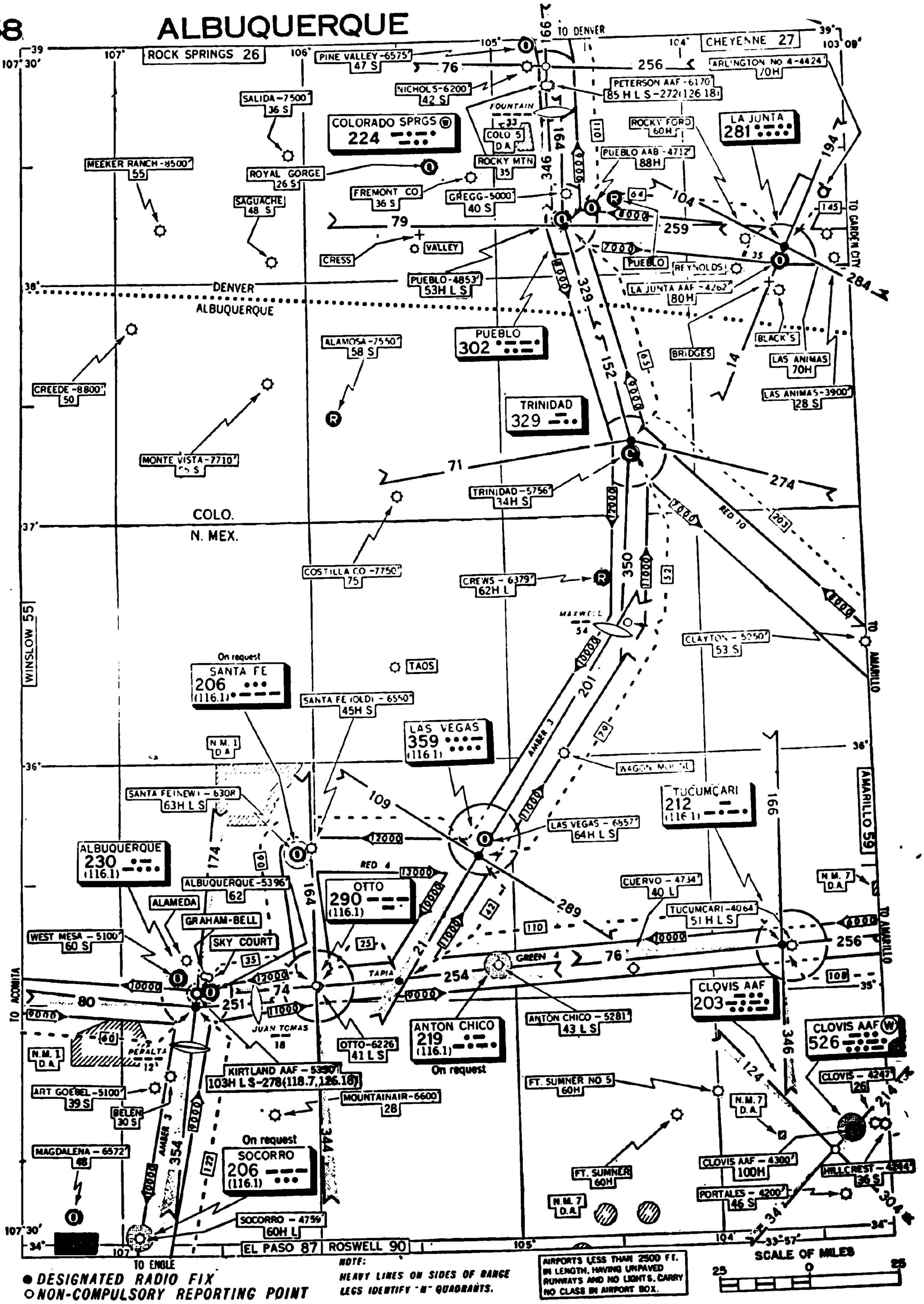
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamosa	2 S; hwy W	7550	58 L3 S4	80 oct. Fld lgts prior req.
(A) Arlington #4(La Junta)(A)	28 NNE	4424	70h	Arlington 3.3 WNW. INACTIVE.
Black's (La Junta)	4.8 S;riv 5 S	4250	21	
Costilla County(Mesita)	4 E; RR W	7750	75	
Creede	2 SSE;hwy NW	8800	50 S2	No fuel. Rough off strips.
Cross (Westcliff)	6 W	8000	30 S1	80 oct. Pole line E.
Fremont Co. (Canon City)	6.9 E; riv S	5350	36 S2	80 oct.
Gregg (Pueblo)	6 N;RR,hwy E	5000	40 S1	80 oct.
(A) La Junta AAF (A)	4.4 NNE;rd W	4262	80h R1	INACTIVE.
La Junta Bridges (La Junta)	3 SW; hwy E		30 S1	80 oct. Data not verified.
Las Animas	1.4 S; RR N	3900	28 S4	80 oct. Poles W.
Las Animas (La Junta)	19 NE	4119	70h	Las Animas 5.9 SSE.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	
Monte Vista	3.5 W; RR N	7710	55 S4	80 oct.
Nichols (Colorado Spgs)	2.8 NNR;hwy W	6200	42 S6	80,91 oct. Pole line SE,NE,N.
Ordway (NC)	0.9 S; RR N	4300	40	NOT MAINTAINED.
(A) PETERSON (Colorado Spgs)	6.3 E; hwy N	6170	85h R2 L5 S6	73,91,100 oct. No sto. (A)
Pine Valley(ColoradoSpgs)	9.2 N; hwy E	6575	47 S6	80,91 oct. Poles E,W,NNW.
(P) PUEBLO	2.1 SW	4853	53h R1 L5 S6	80,91 oct.
(A) Pueblo AAB (A)	7 NE; RR S	4712	88h	INACTIVE.
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	Pole line NE
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 S.
Rock Mtn.(Colorado Spgs)	6 ESE	6100	35 S2	No fuel.
Royal Gorge(Canon City)	6.4 NW; hwy N	6320	26 S2	80,91 oct. Pole lines N.
Saguache	2 W; hwy NE	7700	48 S1	80 oct.
Salida	4 W; RR S	7500	36 S2	80 oct.
Trinidad	10.5 ENE;hwy E	5756	34h R1 L1 S1	80 oct. Use rnwys only.
Valley (Silver Cliff)	0.7 ESE;hwy W	8000	40	

NEW MEXICO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alameda (Albuquerque)	7.4 N; RR E	5400	37	
Albuquerque	6.3 ESE;hwy N	5429	62	RPC surplus acft fld.
★ Anton Chico Int,78A,LA-AQ	4.5 SE; hwy E	5281	43 R1 L3 S1	91 oct.
Art Goebel (Belen)	3.2 W; RR E	5100	39 S1	Ltd 73 oct.
Belen Air Strip	2.7 N; RR E	5000	30 S1	73 oct.
Clayton	1.5 E; RR S	5050	53 S2	73 oct.
Clovis	0.8 NW;RR S	4247	26	
(A) Clovis AAF (A)	6.5 W; RR N	4300	100hR1	CLOSED.
(P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	62h L2	
★ Cuervo Int,81B,LA-AQ	5 N	4734	40 L3	Poles W, lgtd.
Cutter-Carr #2 (Albuquerque)	3.6 NE; RR W	5120	46	Pole line ENE. (NC)
Eagle Nest Lndg Strip(NC)	1 NE	8450	40	11,000' mts NE. Use in emergency.
Ft. Sumner	1.5 NNE;RR S	4166	60h	
" " #5	16 ENE	4830	60h	
Graham-Bell(Albuquerque)	4.5 ENE	5400	27 S6	73,91 oct.
Hillcrest (Clovis)	2.1 E; RR S	4244	36 S4	73 oct. No sto. Pole line S.
Holbrook's (Cuervo)(NC)	0.8 NE; RR S	4810	19	300' mt. S
(A) KIRTLAND (Albuquerque)(A)	3.8 SSE; rd N	5330	103hR3 L6 S6	73,91,100 oct. JP-1. No sto.
LAS VEGAS	6 NE; RR W	6857	64h R1 L5 S6	80,91 oct.
Magdalena	0.8 N; RR S	6572	48 S1	Ltd 73 oct. Pole line SW.
Maxwell (NC)	1.7 N; hwy E	6000	36	
Mountainair	1.1 NNE;RR S	6600	28	Pole line N.
★ Otto Int,74,LA-AQ	5.8 N Moriarty	6226	41 R1 L3 S1	Ltd 80,91 oct.
Portales	4.5 SW;RR NNW	4200	46 S1	73 oct.
Roy (NC)	1.5 N; RR W	5900	26	PRIVATE
SANTE FE (new)	9.8 WSW;hwy SE	6308	63h R1 L5 S1	91 oct airlines. Poles E.
" (old)	6.3 SW;hwy E	6550	45h S6	73,80 oct;91 oct in emerg.
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct. No sto.
Socorro	2.5 S; hwy E	4759	60h R1 L5	Use rnwys only.
Taos	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW.
Tucumcari	7 E;hwy,RR S	4064	51h R1 L5 S6	80,91,100 oct.
Wagon Mound	0.6 WNW;RR E	6500	21	Fence N; mts SE, W.
West Mesa (Albuquerque)	3.8 W; hwy S	5100	60 S6	73,80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

58 ALBUQUERQUE

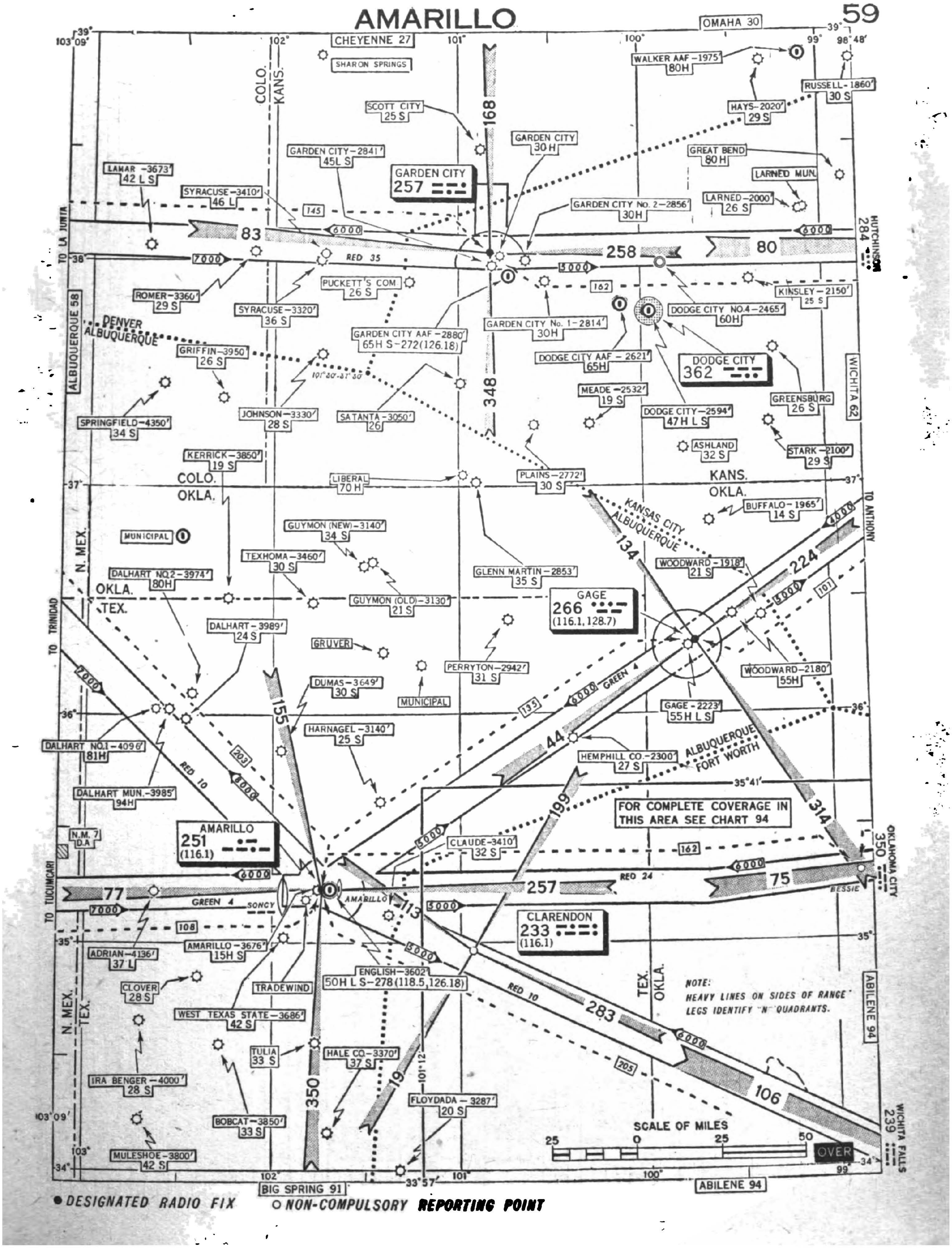


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "M" QUADRANTS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

AMARILLO



● DESIGNATED RADIO FIX ○ NON-COMPULSORY REPORTING POINT

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
KANSAS			
DODGE CITY	362 (OD)	MRT	(4)
GARDEN CITY	257 (GK)	SBRAZ-DT	(4)
Garden City AAF	272 (126.18)	CA;168°.3.75	(4): 126.18 (8-17)
OKLAHOMA			
GAGE	**266 (VM)(116.1)**	**SBRAZ-VDT,224°,2.1**	**(4): 116.1**
TEXAS			
AMARILLO	**251 (AQ)(116.1)**	**SBRAZ-VDT,77°,2.1 to English Fld**	(3); 116.1
AMARILLO LFM	**(-)**	**LFM, 77°, 4.9**	Amarillo
CLARENDON	**233 (CP)(116.1)**	**BMRL-VDT, 199°,2**	(4), 116.1
ENGLISH FIELD (Amarillo)	**278 (118.5) (126.18)**	**AC (ILS)**	(4):126.18,118.5,131.9
SONCY FM	**(- - -)**	**FM, 257°, 11.5**	Amarillo

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ENGLISH, TEX.	110.3	335	209° Mag.	IM ___	MM ·-·- (.62)	OM -- (4.35)
					MMK	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station, (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5. kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

COLORADO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Griffin (Walsh)	0.7 N,RR S	3950	26 S6	80 oct. Poles S.
Lamar,10,PU-WD	3.7 WSW,RR N	3673	42 L3 S2	80 oct
Romer (Holly)	1.5 SSE,riv N	3360	29 S1	Ltd 80 oct.Pole line SW, NW.
Springfield, Com.	3.8 N,hwy W	4350	34 S1	73 oct. Poles NW, W, SW.
Trading Post (Kit Carson) (NC)	0.8 NW,crk E	4290	40	PRIVATE. Pole line S.

KANSAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Ashland	1 E, RR S	1940	32 S2	80 oct. Poles S, E.
DODGE CITY	3.5 ENE,RR SE	2594	47h R1 L3 S6	80,91 oct. Fld lgts prior req.
(A) Dodge City AAF (A)	6 NW, RR S	2621	65h	INACTIVE.
(A) Dodge City No. 4 (A)	17.4 NNE	2465	60h	INACTIVE.
GARDEN CITY MUN	3.3 E,riv S	2841	45 R1 L3 S6	73,80 oct. Lgts prior req.
(A) Garden City AAF (A)	9 ESE,riv S	2880	65h R1 S1	73, 100 oct.
Garden City No. 1	19.5 ESE	2814	30h	
Garden City No. 2	13.4 E	2856	30h	
Garden City No. 3	6 ENE	2917	30h	
Glenn Martin(Liberal)	2 ESE,hwy SW	2853	35 S2	80 oct. Pole line SE,SW.
→ Great Bend	4.5 WSW	1891	80h	
Greensburg	1 ESE,RR N	2230	26 S1	80 oct. Poles N.
Hays	1.5 E,RR S	2020	29 L S6	80, 91 oct. Port rnwy lgts.
Johnson	0.5 N,hwy W	3330	28 S6	80 oct. Pole line N,NW,NE,S.
Kinsley	1.5 SSE,riv SE	2150	25 S1	80 oct. Pole line W
Larned	2 NW,rds E,S	2000	26 S6	80 oct.
Liberal	1.5 WNW	2888	70h	
Meade	3 ESE,hwy N	2532	19 S2	80 oct.Use strips only.Pole line N.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111)(NC)-Not charted. → NEW OR REVISED DATA

KANSAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Plains	1.3 NNE,hwy N	2772	30 S2	80 oct. Pole line S, E.
Pucketts Com.(Lakin)	3.5 S,riv N,NW	3050	26 S1	Ltd 80 oct. Trees N.
Russell	2.7 ESE,RR NE	1860	30 S4	80 oct.No sto. Poles N,S,NE
Satanta	1 N,RR S	3050	26 S2	No fuel.
Scott City	1.3 ESE,hwy N	2980	25 S1	73 oct. Pole line N,NE,NW,SW.
Sharon Springs	1.2 NNW,RR S	3500	32 S1	80 oct. Pole line E.
Stark (Coldwater)	0.7 NE,RR SE	2100	29 S2	80 oct. Poles N,S,E,SE,NE.
Syracuse	1 N,riv S	3320	36 S2	80 oct. Pole line S,SE.
* Syracuse Int,16,PU-WD	3.7 NNE,hwy W	3410	46 L3	
(A) Walker AAF (Hays)(A)	12.5 E,hwy S	1975	80h	INACTIVE.
Larned Mun.	1.6 NNE,RR SE	2012	33 S6	73 oct.
OKLAHOMA				
Buffalo	0.6 NW,crk N	1985	14 S2	80 oct.
(P) Gage	1.8 SW,riv N	2223	55h R1 L5 S1	80 oct.
Guymon (new)	3 SW,hwy N	3140	34 S6	73, 80 oct. Pole lines N, E.
Guymon (old)	0.7 S,RR,hwy W	3130	21 S6	73 oct. Pwr line N, S. No sto.
Municipal (Boise City)	3 N,hwy W	4200	33	
Woodward	7.5 W,hwy S,E	2180	55h	
Woodward (mun.)	1.5 SE,hwy W	1918	21 L1 36	80 oct.
TEXAS				
* Adrian Int,92B,LA-AQ	4.2 SSE,RR N	4136	37 L3	
Amarillo	6 ENE,RR NW	3676	15h S6	73 oct. Pole line N,S.
Bobcat (Dimmitt)	1.5 E,RR W	3850	33 S2	73 oct.
Claude	1.2 WNW,RR N	3410	32 S1	73 oct. Pole line S,N,NW.
Clover (Hereford)	2.2 NNE,hwy S	3800	28 S2	73 oct. Pole line N,E,SE.
Dalhart	6.2 SSE,RR E	3980	24 S6	73 oct.
Dalhart mun.	5.8 SSW;RR N	3989	94h	
Dalhart No. 1	9.7 WSW;RR,hwy E	4096	81h L	
Dalhart No. 2	5.5 NE,hwy NW	3974	80h	
Dumas	0.7 S,hwy W	3649	30 L S2	73 oct. Poles N.
(A) English (Amarillo)	9 ENE,RR N	3602	50h R3 L6 S6	100 oct. Poleline N,NW.
Floydada	1.2 NNW,RR N	3287	20 S1	80 oct. Pole line S. RR SW.
Hale Co. (Plainview)	1.6 S,hwy E	3370	37 S6	80,91 oct.
Harnagel (Borger)	2.5 SSW,RR N	3140	25 S2	80 oct. Use strips. RR E.
Hemphill Co.(Canadian)	1.5 SW, riv N	2300	27 S2	Ltd 73 oct.
Ira Benger (Friona)	1.8 NE,RR S	4000	28 S2	73 oct.
Kerrick	1.5 N, RR SW	3850	19 S1	80 oct. Pole line SW.
Muleshoe	1 ENE,hwy N	3800	42 S1	73 oct.
Municipal (Spearman)	0.8 NW,RR SE	3104	30	Pole line.
Perryton	3 ENE,hwy N	2942	31 S2	73 oct. Pole line E.
Texhoma	1 SSW,RR N	3460	30 S2	73,91 oct.Pole line N.
Tulia	1.5 NNW,RR W	3500	33 S1	73 oct. Pole line NE,E,SE.
West Texas State (Canyon)	3 N,hwy E	3686	42 S6	73 oct. 20' Poles SE.
Tradewind (Amarillo)	1.5 SE	3636	30 S6	Data not verified
→ Gruver,Tex.	0.7WNW,RR E	3200	40 S1	80 oct.P-line W,E,SE,SW.

RADIO — KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS: GUARDED, HRS. OF OPER., REMARKS
ANTHONY	382 (AY)	MHT	(4)
CASSODAY (Int.)	239 (CY)	MHT	(4)
HUTCHINSON	284 (HN)	SBMRLZ-DT;350°,3.4	(4)
Hutchinson NAS	323(142.74 on req)	CN	(3); 142.74(2 hrs adv notice)
KECHI FM	(- - - -)	FM, 341°,10.6	Wichita
OXFORD FM	(- -)	FM; 167°, 27	Wichita
SALINA	108.3 (NS)	VARW	
SMOKY HILL (Salina)(Army)	344 (DSN)	BMRLZ-DT	(4)
Smoky Hill AAF	396(116.1)(126.18)	CA(ILS);170°,5.05	(4); 116.1,126.18
TOWANDA FM	(-)	FM, 46°,18.8	Wichita
VIOLA FM	(- - -)	FM, 226°, 24.7	Wichita
WICHITA	332 (WD)	SBRAZ-DT	(3)
Wichita Airport	273(126.18)(118.7)	AC(ILS);167°,0.9	(4);131.9,126.18,118.7

OKLAHOMA

ENID(Army)	209 (END)	BMPLZ	(3); 126.18
Enid AAF	396 (126.18)	CA; 214°,3.7	(3); 126.18)
PHILLIPS ARPT(Bartlesville)	278	CT	3105 (On req)
PONCA CITY	368(PC)(116.1)	MHVT	(4); 116.1
RED FORK FM	(- - -)	FM, 325°,13.7	Tulsa
SKIATOOK FM	(- - - -)	FM, 298°,17.3	Tulsa
TULSA AIRPORT	278(126.18)(118.5)	AC	(4);142.74,131.9,118.5, 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER (OUT & MILEAGE) (OUTER COMPASS LOCATORS)		
SMOKY HILL AAF, KANSAS	109.9	333.8	173° Mag.	IM (.19)	LM ·····(.89)	OM -- (4.70)
				MKR		OLK
WICHITA, KANS.	110.3		2° Mag.	IM ·····(.05)	LM	OM -- (5.37)
				MKR		OLK

S-Smultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station (3)-3105,4495 6210 kcs, (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abilene	1.7 WSW; RR N	1100	29 S6	80 oct. Trees E;pole line SE.
(P) Anthony,24,AQ-KC	3 WNW; hwy S	1339	46 R1 L5 S6	73,91 oct.
Arkansas City	3.5 S; RR W	1067	28 S6	73, 91 oct.
Arther Airfield (Wichita)	3 SW; RR N	1290	26 L S6	73,91 oct.No sto.Fort lgts.
Baird (Arkansas City)	4 W; hwy S	1100	17 S2	73 oct.Poleline S,SW.Poles S
Beech (Wichita)	6 E; hwy N	1378	46h	Factory use only.
Caldwell	1.2 E; RR W	1140	21 S2	73 oct. Poles E, S
Cannon Ball (Wichita)	6.5 WSW;hwy N	1300	24 S6	80 oct. No sto.Pole line N.
★ Cassoday Int,34,AQ-KC	1 SSE; hwy W	1460	32 R1 L3	Twrs S.
Cessna Aircraft (Wichita)	4.5 SE; hwy W	1369	53 S1	80 oct.
Clothier (Cedar Point)	4 SSW;creek E	1320	20 S2	73 oct.
Culver (Wichita)	4 N; hwy W	1320	15h	
Derby	1 NNE; RR W	1305	24 S1	73 oct. Poles N.
El Dorado	3.6 SE; hwy W	1400	25 S6	80 oct. Soft, wet weather.
Ellinwood	1.5 NW; RR S	1790	26 S1	73 oct. Poles N.
Emporia	5.4 S; hwy E	1230	26 S6	80 oct. Poles E,SE,NE.
Eureka	3.2 E; RR N	1100	21	Pole line S.
Frasier (El Dorado)	2.5 S; riv W	1300	25 S6	80 oct. Poles E, NE.
Giffin-Orton (Hoisington)	1.3 NE; hwy S	1870	25 S2	80 oct. Poles S.
Great Bend Airpark	1.6 NNE; RR W	1850	26 S2	80 oct. Poles W.
Herington	1.5 SE; RR W	1450	17 S2	73 oct. Pole line N.
(A) Herington AAF (A)	7.5 ENE	1485	69h	INACTIVE.
Hilltop (Augusta)	2 NE; RR SE	1260	20 S1	73 oct.
Holyrood	0.5 ESE; RR N	1820	17 S1	73 oct. Poles N.
Hutchinson,com	5.5 W; riv NE	1605	20 S4	80 oct.
(P) HUTCHINSON,MUN.	4 ENE; hwy S	1542	70h R1 L5 S6	80,91 oct. Svcg
(N) " NAS-(N)	8.9 S;RR NNE	1582	70h R1 L5 S5	91,100 oct. CLOSED. prior req.
Ken-Mar (Wichita)	3 ENE; RR N	1375	23 L S6	80 oct.No sto.Port rnwy lgts.
Kingman	1.5 NNW;RR SW	1600	26 S1	73 oct.Trees S,SW. Obsts
Kiowa Flying Serv.(Kiowa)	2.5 WNW; RR S	1375	19 S1	80 oct. Pole line NNW,SSW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page (iii))(XC)-Not chartered. → REV OR REVISED DATA

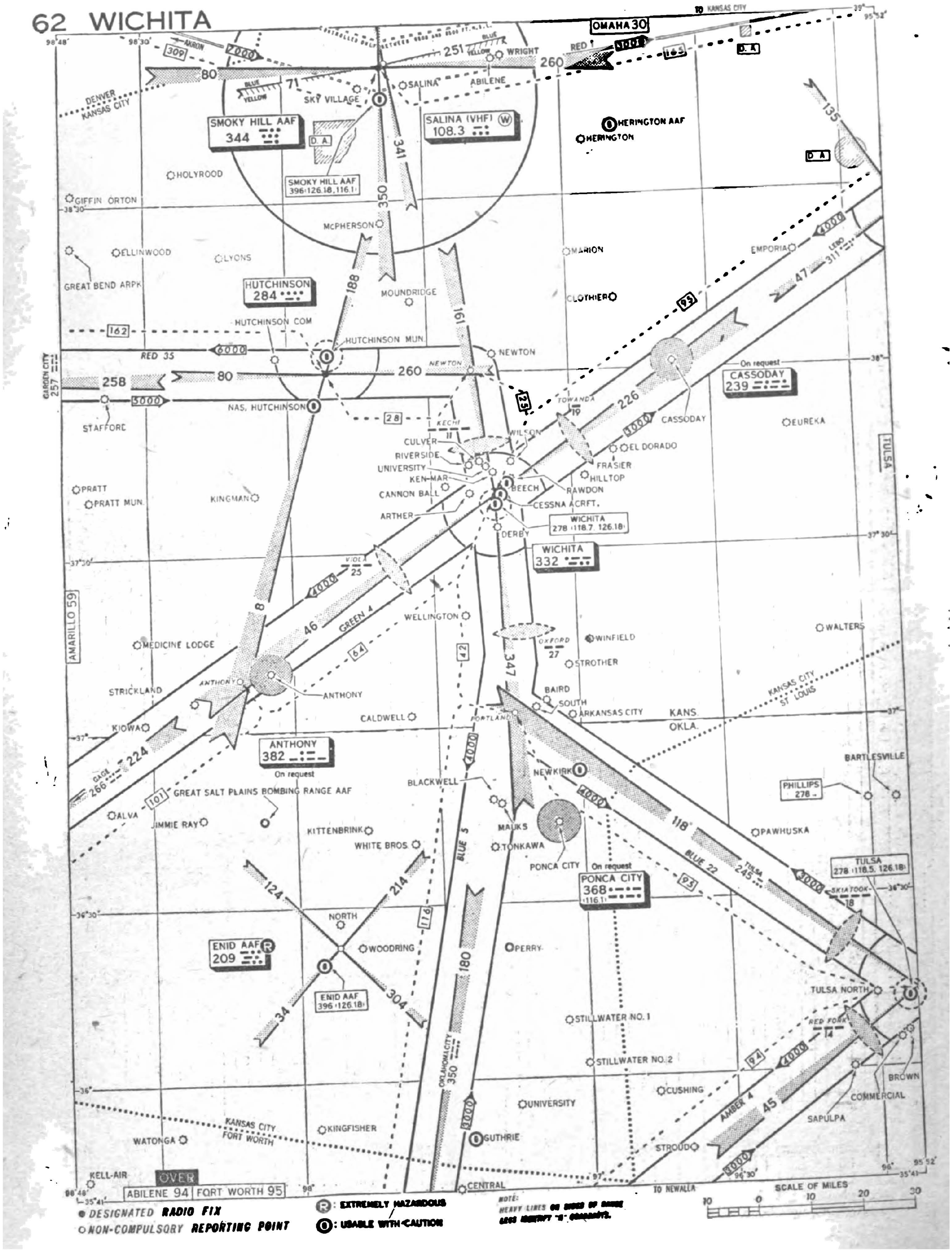
KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lyons	1.4 W; hwy N	1950	26 S6	80 oct. Pole line N.
McPherson	4 NNE; RR W	1500	26 S6	80 oct. Soft when wet.Poles E.
Marion	1.8 ESE;RR W	1370	36 S2	80 oct. Pole line SE.
Medicine Lodge	2.1 SE; RR S	1520	33 S2	80 oct.
Moundridge	2.2 WNW; RR NE	1485	17 S2	Ltd 80 oct. Poles W.
Newton	4 ENE; rd S	1527	70h S6	80,91 oct.Pole line W,N.
Pratt Mun.	2.5 ENE;hwy S	1916	25 S6	73,80 oct.
Pratt	4 N; hwy E	1960	80h	
Rawdon (Wichita)	6.7 E; hwy S	1396	26 L S6	73 oct. Port rnwy lgts.
Riverside (Wichita)	4 NNW; riv E	1310	26 S1	80 oct. Poles sur fld.
Salina	2.5 SE;riv W	1275	26 S6	80,91 oct.
Sky Village (Salina)	6.6 WSW;RR SE	1270	20 L S2	80 oct.Port rnwy lgts.Pole line
(A) Smoky Hill AAF(Salina)	4.5 SW; RR E	1289	100hR3 L5 S4	73,91,100 oct. No sto. (A) S.
South (Winfield)	14 SSW	1230	40h	
Stafford	2.6 WSW;RR N	1889	26 S6	80,91 oct. Poles N, S.
Strickland (Hazelton)	2.6 E; RR S	1310	26 S6	73,80 oct. Poles E, N.
(P) Strother (Winfield)	5 SSW;hwy S	1150	58h	
University (Wichita)	5 NE; RR N	1350	27 L S6	80,91 oct.Port rnwy lgts.Pole
Walters (Sedan)	8 N; hwy W	1000	26	PRIVATE. line E.
Wellington	3.5 N; RR W	1290	23 S2	80 oct. Pole line W,E,S.
(A) WICHITA	5.3 SE; hwy W	1373	75h R3 L5 S6	80,91,100 oct.50' pole N.
Wilson (Wichita)	7.5 NE;RR N	1410	29 S6	73 oct. No sto.
Winfield	2 E; RR S	1200	22 S2	73 oct.Lgt acft only.Pwr lineN.
→ Wright Arpk (Abilene)	1 SSE; riv S	1150	13 S1	80 oct. Trees S, E.

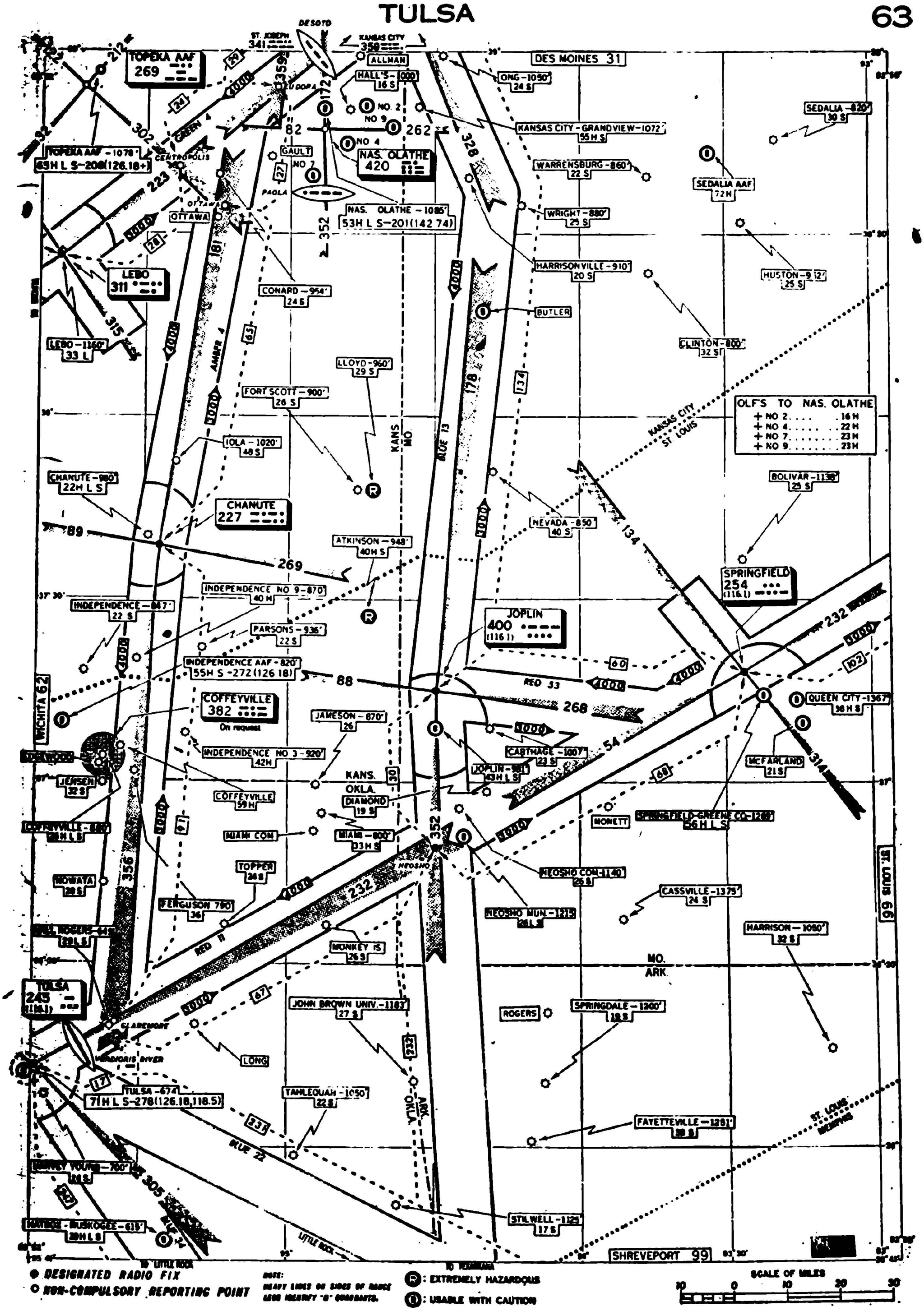
OKLAHOMA

Alva	1.4 S; RR N	1320	26 S1	73 oct.
Bartlesville	4 E; rd S	720	34 S6	80 oct.
Blackwell	1.7 W; RR N	1000	32 L4 S6	80 oct.
Brown (Tulsa)	6 SE	735	31 L S6	80,91 oct.Port rnwy lgts.Pole NW
Central (Edmond)	2.6 NNE;RR W	1211	24 S1	73 oct.
Commercial (Tulsa)	5.4 SSE;hwy N	700	29 S6	73,80,91 oct. Trees SW.
(P) Cushing	2 S; RR E	913	52h L5 S6	73,80 oct.
(A) Enid AAP (A)	4 SSW; RR E	1287	53h R2 L5 S4	73,100 oct.
(A) Great Salt Plains (Jet)	6 NNE;cam 1 N	1200	55h L5	(A)
★ Guthrie Int,21,FV-WD	2 SSE;hwy W	1052	26 L3 S6	80 oct.
Jimmie Ray (Cherokee)	1.5 E; RR SW	1200	26 S1	80 oct. Trees S.
Kell-Air (Thomas)	1.2 SW; RR N	1730	24 S2	80 oct.
Kingfisher	1.3 NW; RR W	1060	24 S6	73 oct.
Kittenbrink (Jefferson)	2 E; RR W	1100	23 S2	80 oct. Trees N.
Newkirk Skypark	2.5 SE; RR SW	1140	32	Pole N, NW.
North (Enid)	3.8 N; RR E	1265	26 S6	80 oct.
Pawhuska	3.8 W; RR E	1000	27 L S1	80 oct.Port rnwy lgts. Pole line NE.
(A) Perry (A)	6.6 N; hwy W	1008	52h	
→ Phillips (Bartlesville)	1.7 WNW;hwy S	750	35h R1 L4 S2	80,91 oct.
PONCA CITY	2.3 NNW;RR S,E	998	36h R1 L4 S6	73,87 oct. Antenna bet twr and
Sapulpa	1.5 ENE;RR W	730	26	Pole line S. hangar, lgtd.
(P) Stillwater #1	3.2 NNW;hwy E	935	50h L3	
" #2	5.6 SSE;hwy W	980	29 S6	73,80 oct.
★ Stroud Int,29A,AQ-LS	3 N; hwy W	883	27 L3	Pole line W lgtd.
Tonkawa	1.6 S;riv NW	1000	25 S1	73 oct. Pole line S, E.
A,N)TULSA AIRPORT	6.2 NE;RR S	674	71h R2 L5 S6	73-100 oct, NATS,NAFC.
Tulsa North (Tulsa)	4.5 NNW;RR E	700	25 S2	80,87 oct.Poles S,SW,SE.
University (Langston)	1 S; rd N	1025	26	Bldg SE corner.
Watonga	1.2 NW;riv SW	1460	16 S6	80 oct. Poles S.
White Brothers (Lamont)	2 WSW; RR E	1000	25 S1	73 oct.
(P) Woodring (Enid)	5 ESE; RR NW	1159	65h L S2	80 oct. Port rnwy lgts prior req.
→ Mauks (Blackwell,Okla)	2.7 S; hwy W	937	26 S4	80 oct. Pole line E.

62 WICHITA


TO KANSAS CITY
OMAHA 30
RED 1
WRIGHT
SALINA
ABILENE
DENVER
KANSAS CITY
SKY VILLAGE
SMOKY HILL AAF
344
SMOKY HILL AAF
396 (126.18, 116.1)
SALINA (VHF)
108.3
HERINGTON AAF
HERINGTON
HOLYROOD
GIFFIN
ORTON
McPHERSON
ELLINWOOD
LYONS
GREAT BEND ARPK
HUTCHINSON
284
MOUNDRIDGE
MARION
CLOTHIER
EMPORIA
HUTCHINSON COM
HUTCHINSON MUN
NEWTON
RED 35
GARDEN CITY
STAFFORD
NAS, HUTCHINSON
KECHI
WILSON
CULVER
RIVERSIDE
UNIVERSITY
KEN-MAR
CANNON BALL
ARTHER
BEECH
RAWDON
CESSNA ACRFT.
HILLTOP
FRASIER
EL DORADO
CASSODAY
On request
CASSODAY
239
EUREKA
TOWANDA
PRATT
PRATT MUN.
KINGMAN
DERBY
WICHITA
278 (118.7, 126.18)
WICHITA
332
AMARILLO 59
MEDICINE LODGE
STRICKLAND
ANTHONY
KIOWA
CALDWELL
WELLINGTON
NEWKIRK
BLACKWELL
PONCA CITY
On request
PONCA CITY
368
TONKAWA
MAUKS
OXFORD
27
WINFIELD
STROTHER
BAIRD
SOUTH
ARKANSAS CITY
KANS.
OKLA.
WALTERS
PAWHUSKA
PHILLIPS
278
BARTLESVILLE
TULSA
278 (118.5, 126.18)
SKIATOOK
TULSA NORTH
ANTHONY
382
On request
GREAT SALT PLAINS BOMBING RANGE AAF
ALVA
JIMMIE RAY
KITTENBRINK
WHITE BROS.
ENID AAF
209
ENID AAF
396 (126.18)
NORTH
WOODRING
PERRY
STILLWATER NO. 1
STILLWATER NO. 2
CUSHING
SAPULPA
COMMERCIAL
BROWN
RED FORK
KANSAS CITY
ST LOUIS
KANSAS CITY
FORT WORTH
WATONGA
KINGFISHER
GUTHRIE
STROUD
UNIVERSITY
CENTRAL
KELL-AIR
TO NEWALLA
ABILENE 94
FORT WORTH 95
OVER
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON EDGE OF RADIO
AREA IDENTIFY "R" CORRIDOR.

TULSA


TOPEKA AAF 269
TOPEKA AAF - 1078'
65H L S-206(126.18+)
LEBO 311
LEBO - 1160'
33 L
OTTAWA
CENTROPOLIS
CHANUTE 227
CHANUTE - 980'
22H L S
INDEPENDENCE - 847'
22 S
INDEPENDENCE AAF - 820'
55H S -272(126 18)
COFFEYVILLE 382
On request
COFFEYVILLE - 880'
29H L S
TULSA 245
TULSA - 674'
71H L S-278(126.18,118.5)
SKIATOOK - BUSKOGEE - 615'
29H L S
BARTLESVILLE - 700'
11 S
DES MOINES 31
ONG - 1050'
24 S
KANSAS CITY - GRANDVIEW - 1072'
55H S
WARRENSBURG - 860'
22 S
WRIGHT - 880'
25 S
HARRISONVILLE - 910'
20 S
BUTLER
CLINTON - 800'
32 S
SEDALIA - 820'
30 S
SEDALIA AAF
72H
HUSTON - 912'
25 S
ALLMAN
HALL'S - 1000'
16 S
NO. 2
NO 9
262
NO 4
NAS. OLATHE 420
NAS. OLATHE - 1085'
53H L S-201(142 74)
NO 7
GAULT
PAOLA
CONARD - 954'
24 S
LLOYD - 960'
29 S
FORT SCOTT - 900'
26 S
IOLA - 1020'
48 S
ATKINSON - 948'
40H S
NEVADA - 850'
40 S
BOLIVAR - 1138'
25 S
SPRINGFIELD 254
(116 1)
JOPLIN 400
(116 1)
OLF'S TO NAS. OLATHE
+ NO 2 . . . . 16 H
+ NO 4 . . . . . 22 H
+ NO 7 . . . . . 23 H
+ NO 9 . . . . . 23 H
KANSAS CITY ST LOUIS
JAMESON - 870'
26
INDEPENDENCE NO 3 - 920'
42H
INDEPENDENCE NO 9 - 870'
40 H
PARSONS - 936'
22 S
COFFEYVILLE
59 H
DIAMOND
19 S
MIAMI COM
MIAMI - 800'
03H S
TOPPER
24 S
FERGUSON 790'
36
MONKEY IS
26 S
JOHN BROWN UNIV. - 1183'
27 S
LONG
TAHLEQUAH - 1050'
22 S
CARTHAGE - 1007'
23 S
JOPLIN - 981'
43H L S
MONETT
SPRINGFIELD-GREENE CO - 1269'
56H L S
NEOSHO COM - 1140'
26 S
NEOSHO MUN - 1215'
26 L S
CASSVILLE - 1379'
24 S
HARRISON - 1080'
32 S
MCFARLAND
21 S
QUEEN CITY - 1367'
38 H S
BOLIVAR
SPRINGDALE - 1200'
18 S
ROGERS
FAYETTEVILLE - 1281'
28 S
STILWELL - 1125'
17 S
SHREVEPORT 99
DESOTO
ST. JOSEPH 341
KANSAS CITY 359
359
172
82
262
328
352
178
134
223
181
315
302
212
32
29
24
28
27
63
65
60
68
69
54
314
232
102
88
268
269
89
356
305
331
KANS.
OKLA.
MO.
ARK.
ARK-OKLA
BLUE 13
RED 53
RED 11
BLUE 22
NEOSHO
CLAREMORE
ARKANSAS RIVER
LITTLE ROCK
TO LITTLE ROCK
TO TEXARKANA
ST. LOUIS
MEMPHIS
ST. LOUIS 99
WICHITA 62
SKIATOOK
JENSEN
32 S
MIAMI
29 S
MIAMI MUN - 1215'
26 L S
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF AIRWAYS
LEGS IDENTIFY "B" CORRIDORS.
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO

KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE	227 (CZ)	SBRAZ-DT, 304°, 2.5	(4)
COFFEYVILLE	382 (KV	MMT	(4)
DE SOTO FM	(- - -)	FM; 224°, 19.6	Kansas City, Mo.
INDEPENDENCE AAP	272 (126.18)	CA	(3); 126.18 (8-20)
LEBO (Int)	311 (LN)	BMLZ-DT, 336°, 0	(4)
OLATHE (Navy)	420 (NUU)	BMRLZ	
Olathe NAS	201 (142.74)	CN;352°, 2.9	(3); 142.74 (8-18)(OCA)
PAOLA FM (Navy)	(. - - -)	FM; 172°, 12	Olathe
TOPEKA (Army)	269 (DTO)	BMRAZ	(4)
Topeka AAP	206 (116.1) (126.18)	CA;320, 3.4	(3); 116.1,126.18

MISSOURI

JOPLIN	400(JH)(116.1)	BMRLZ-VDT, 172°, 6.2	(4); 116.1
SPRINGFIELD (Greene Co.)	254(SX)(116.1)	SBRAZ-VDT, 134°, 4.3	(4); 116.1

OKLAHOMA

TULSA	245(TS)(116.1)	SBRAZ-VDT	(3); 116.1
Tulsa Airport	278 (126.18) (118.5)	AC; 225°, 1	(4);142.74,131.9,113.5,126.18
VERDIGRIS RIVER FM	(-)	FM;54°,9.6	Tulsa

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5. kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

ARKANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Berryville (NC)	1.3 WNW;RR E	1150	13	Trees S.Cattle on fld.
Fayetteville	3.8 S;RR W	1251	38 S6	73 oct.
Harrison	4.1 NW;RR S	1050	32 S1	80 oct.
Rogers	2.7 N;RR S	1325	32 S1	80 oct.Pole line SE.
Springdale	0.8 SSE;hwy W	1200	19 S4	80 oct.Pole line NE,SE.

KANSAS

Atkinson (Pittsburg)	2.5 NW;RR W	948	40h L S6	80 oct. Port rnwy lgts.
Chanute	2 WSW;hwy NW	980	22h R1 L4 S6	80,91 oct.
Coffeyville	5 NNE	743	59h	Use rnwys only.
" mun.	2 NW;rlv E	880	26h R1 L3 S6	73,90 oct.Poles NW;hi-line SW.
Conard (Ottawa)	3.8 NNE;RR S	954	24 S1	80 oct.Pole line N;hedge S.
Edgewood (Coffeyville)	2.5 WNW;RR E	745	25 S1	80 oct.Pole line E,S.
Ferguson Flying Field (Coffeyville)	5 E;RR NW	790	36	Poles S.
Fort Scott	4.5 SW;hwy S	900	28 S2	80 oct.
Gardner (NC)	1.4 WSW;hwy S	1070	39	
Gault (Wellsville)	0.8 ESE;RR N	1020	20 S1	80 oct.Trees E.
Girard	1.7 WNW;RR E	950	14	Trees E.
Hall's (Olathe)	2.6 SSE;RR W	1000	16 S2	73 oct.Cattle on fld.Pole line N.
Independence	5 N;hwy W	847	22 S4	73,91 oct.Pole line W.
(A) " AAP (A)	5.5 SW;hwy W	820	55h R1 S1	91,100 oct.
" #3	24 ESE	920	42h	
" #9	12.5 NE	870	40h	
(P) Iola	3.2 SSE;rd N	1020	48 S6	73,80 oct.
★ Lebo Int,39,AQ-KC	4 ENE;RR N	1160	33 R1 L3	
Lloyd (Pt. Scott)	3.8 SSW;RR SE	960	29 S2	80 oct.Pole line NE.
Mader (Garnett)(NC)	2 WNW;hwy S	1060	26	
(M) Olathe NAS (M)	5.2 SW;RR W	1085	53h R2 L5 S6	100 oct. NATS
(M) " OLP #2 (M)	5 SE	1090	16h	INACTIVE.4 W of Stanley.
(M) " OLP #4 (M)	10 S	1090	22h	1.3 SE of Springhill.INACTIVE.
(M) " OLP #7 (M)	16 SSW	940	23h	4.3 W of Millsdale.INACTIVE.
(M) " OLP #9 (M)	11 SE	1070	23h	1 N of Stillwell.INACTIVE.
Ottawa	5.3 S;RR W	975	32	

KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Parsons	2 NW;RR S	936	22 S2	80 oct.Soft in wet weather.
(A) Topeka AAP (A)	6 S;RR W	1078	65h R2 L5 S6	73,91,100 Oct.JP-1. No sto.
→ Allman (Lenexa)	2.5NNW;hwy N	900	22 S1	81 oct. Hedge E.
Yredonia Mun.	3 NNE;RR E	880	26 S1	80 oct.
State Line Arpk(Stanley)	3.8 NE;RR E	1000	22 S1	80 oct. Poles E;trees N,W.

MISSOURI

Bolivar	1.8 WSW;hwy N	1138	25 S2	80 oct.Poles N.
Branson (NC)	4 W;hwy W	1069	21	Trees SW.
Carthage	2 S;hwy E	1007	23 L S4	80 oct.Port rnwy lgts.Poleline W,SW.
Cassville	3.9 S;hwy E	1375	24 S2	80 oct.Trees SW.
Clinton	2 NE;RR SE	800	37 S4	80 oct.Poles SW,S,E,N.
Diamond	2.1 SSW;RR S	1150	19 S2	80 oct.Pole line N,NE,SE.
(P) Grandview (Kansas City)	16.4 S:RR E	1072	55h L5 S2	80,91 oct.Fld lghts prior req.
(P) GREENE CO. (Springfield)	5.5 WNW;RR NE	1269	56h R1 L5 S5	80,91,100 oct. JP-1
Harrisonville	2.1 W;RR N,S	910	20 S1	73 oct. Fld rough.
Huston (Windsor)	4.3 E;hwy N	932	25 S1	80 oct.
JOPLIN	6 NNE:RR N	981	43h R1 L4 S4	80,91 oct.
McFarland (Springfield)	4 SSE;RR S	1310	21 S4	73,80 oct.
Neosho com.	4.8 NNW;hwy W	1140	26 S1	80 oct.Poles SW.
" mun.	2.8 SW;hwy E	1215	26 L3 S2	80 oct.Poles N,antenna E.
(P) Nevada	3 NE;hwy N	850	40 S4	73 oct,Pole line SW,W.
Ong (Kansas City)	9 SE;hwy NE	1050	24 S6	73,80 oct.Pole line N,W.
Queen City (Springfield)	2.1 E;hwy W	1367	30h L3 S4	73-91 oct.Lgts prior req.
Sedalia	6.3 NW;RR S	820	30 S6	80 oct.Poles S.
(A) " AAP (A) (Knobnoster)	2.8 S;hwy N	834	72h	INACTIVE.
Warrensburg	7.3 SSW;hwy E	860	22 S6	80 oct.
Wright (Garden City)	1.4 NNW hwy SW	880	25 S1	80 oct.Pole line S.
Butler	1.5 N		25 S2	80 oct. Data unverified.
Monett	0.5 NE; hwy 37	1462	24 S2	80 oct.

OKLAHOMA

Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S6	80 oct.
Hatbox (Muskogee)	2.7W;fork RRs	615	39h L3 S6	73,80 oct.All lgts prior req.
Jameson (Picher)	4.5 W	870	26	
Jensen (South Coffeyville)	0.5 W;RR S,E	735	32 S4	80 oct.Pole line SE.
John Brown Univ. (Mosley)	3.6 ESE;hwy S	1183	27 S4	80 oct.
Long (Pryor)	2 NNE;RR W	650	16 S2	80 oct.Pole line SW.
Miami	2.2 NNW;RR E	800	33h L4 S2	80,91 oct.
Monkey Island (Afton)	7.8 SE;RR NW	750	26 S1	80 oct. Pole line W.
Nowata	1.6 NNE;RR W	650	20 S1	80 oct.
Stillwell	1.4 N;RR W	1125	17 S2	80 oct.
Tahlequah	4.3 N;RR E	1050	22 S4	80 oct.
Tipper (Vinita)	3.9 SW;RR ESE	850	24 S1	73 oct.
(A,N) TULSA AIRPORT	7.2 NE; RR	674	71h R2 L5 S6	73-100 oct. NATS,NAPC.
Will Rogers,36, AQ-LS (Claremore)	1.5 NE; RR W	649	27 L3 S6	73 oct,

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See map Xiii)(NC)-Not charted. → NEW OR REVISED DATA

ST. LOUIS

RADIO

ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
WALNUT RIDGE	362 (DWR)	MRLWZ,174°,5	

MISSOURI

COLUMBIA	379 (CA)	SBRAZ-DT,89°,3.9	(4)
NEW FLORENCE (Int.)	385 (ST)	MHT	(4)
ST. LOUIS(Lambert)	209 (LS)	SBRAZ-DTX;256°,2.2	(3)
ST. PETERS FM	(- - - -)	FM, 273°, 14.2	St. Louis
SPANISH LAKE FM	(- -)	FM, 69°, 7.8	St. Louis
VICHY	344(OM)(116.1)	BMRLZ-VDT,310°, 2.7	(4), 116.1

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

ARKANSAS

AIRPORT - CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Batesville(Desha)	1 SE,hwy E	400	20 S1	73 oct.Pole line NE.
Biggers (NC)	2 ESE,RR NW	290	45	
Fleeman(Manila)	0.8 S,RR N	240	32 S2	80 oct.Po line N,NE.
John's Air Park (Flippin)	0.3 NNW,RR S	620	11 S1	80 oct.Trees N.
(P) Jonesboro	3.5 ESE;RR N,SW	264	44h S6	80,91 oct.Use rnwys
Manila (Blytheville)	13.5 W,lake E	240	75	
Milltown(Newport)	13 NE	244	45h	
Walcott #3 (Walnut Ridge)	14 ESE	285	45h	1.5 W of Walcott
Walnut Ridge	4 NE,RR SE	275	50h	

ILLINOIS

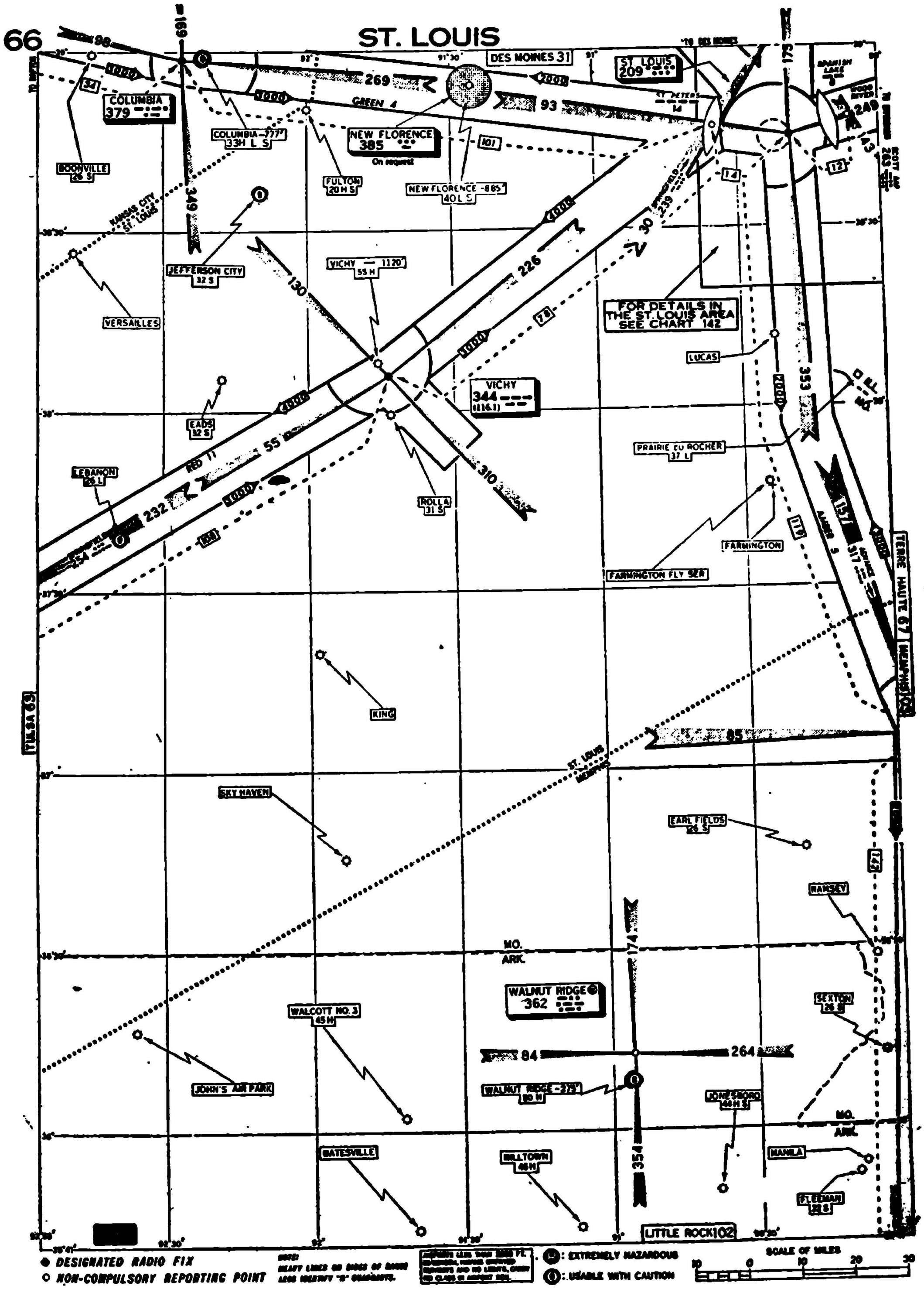
* Prairie du Rocher Int,55, NO-LS	0.5 S,RR NE	390	37 L3	Trees S, N.

MISSOURI

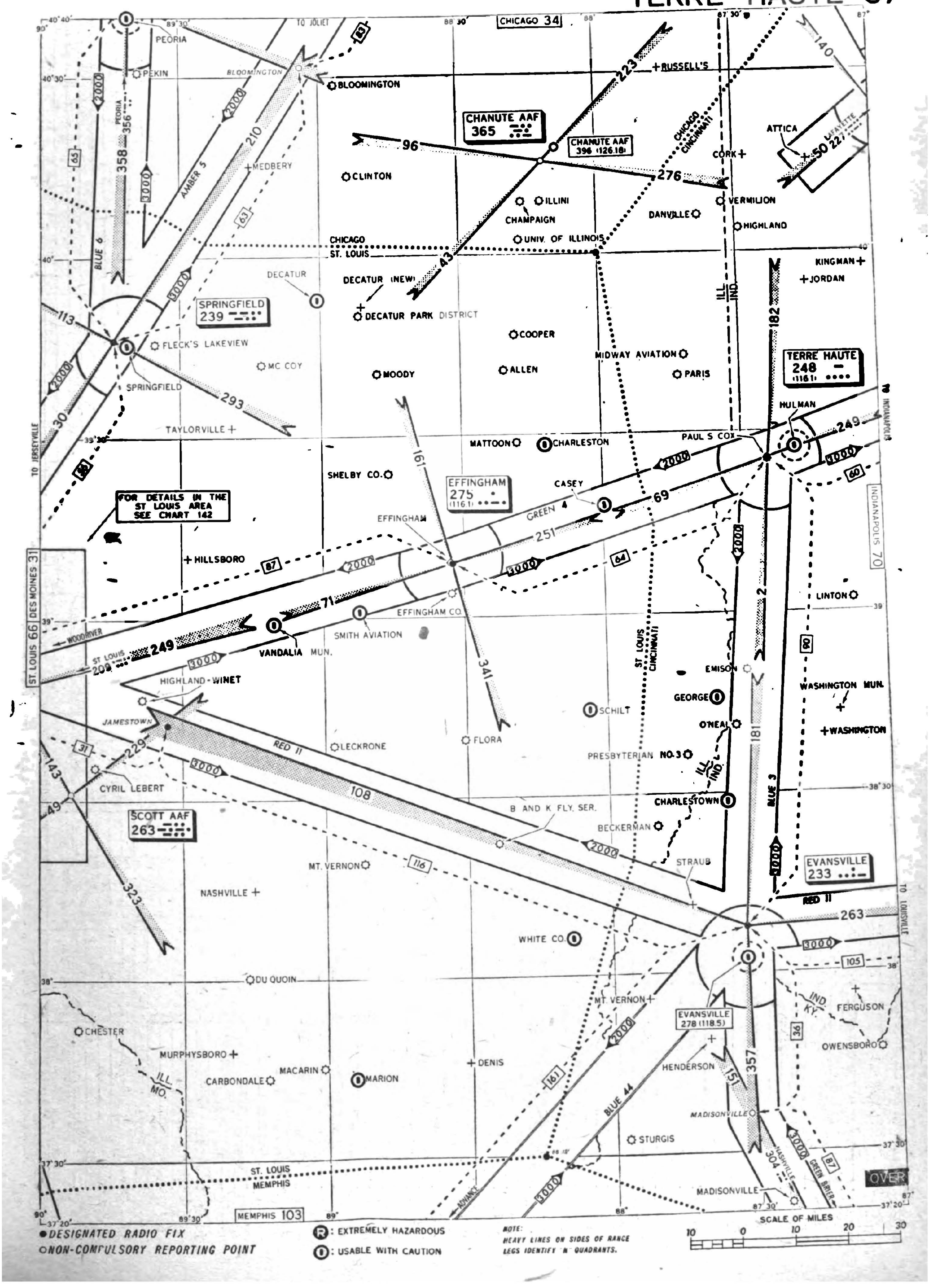
AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Boonville	1.5 NNW,riv S	602	16 S4	80 oct.Obsts sur fld.
Columbia	2.4 NW,hwy S	777	33h R1 L3 S5	80, 91 oct.
Eads (Iberia)	1.1 W, hwy NE	960	32 S2	80, 91 oct.
Farmington	1 ESE,hwy N,E		35 S6	80 oct.Data not verif.
Farmington Flying Service	0.8 NNE,hwy S	920	17 S4	73 oct.Poles NW.
Fields (Poplar Bluff)	3.8 ENE,hwy S	325	26 S2	73 oct.Pwr line S.
Fulton	3 WSW,hwy SE	875	20h S2	80 oct.
Jefferson City	2 N, hwy S	550	32 S6	80 oct. No sto.
Kennett (NC)	1.3 E,RR W	260	26	30' poles N.
King (Houston)	0.8 WNW,hwy ESE	1180	15 S1	80 oct. Poles S
* Lebanon Int,54B, AQ-LS	2.5 SSE,hwy E	1380	26 L3	
Lucas (Festus)	1.7 S,RR W	425	16 S2	73 oct.
Mel Adkins (Gravois Mills)(NC)	4.2 SSE,hwy W	950	19	
* New Florence Int, 17, KC-LS	1 SSE,hwy N	885	40 R1 L3 S1	80 oct.
Ramsey (Campbell)	1.6 SW,RR NW	295	14 S2	Ltd 73 oct.Trees NNE
Rolla	3.5 NE,rd S	1201	31 L S6	80,91 oct.Port rnwy lgts.
Sexton (Kennett)	2.8 SW,hwy E	263	26 S2	80 oct.
Sky Haven (West Plains)	2.4 NW;RR E	1049	22	
Versailles	1.7 ENE,RR N	1050	20 S2	80 oct.Pwrline N,NE, NW.
Vichy	1.5 NNW,hwy SW	1120	55h R1	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

ST. LOUIS


DES MOINES 31
ST. LOUIS 209
COLUMBIA 379
COLUMBIA -777' 33H L S
NEW FLORENCE 385
On request
NEW FLORENCE -865' 40 L S
FULTON 20 H S
BOONVILLE 26 S
JEFFERSON CITY 32 S
VERSAILLES
VICHY 55 H
VICHY 344 (1161)
EADS 32 S
LEBANON 29 L
ROLLA 31 S
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142
LUCAS
PRAIRIE DU ROCHER 37 L
FARMINGTON
FARMINGTON FLY SER
KING
SKY HAVEN
WALCOTT NO. 3 45 H
JOHN'S AIR PARK
BATESVILLE
WALNUT RIDGE 362
WALNUT RIDGE -275' 30 H
HILLTOWN 46 H
JONESBORO 44 H S
EARL FIELDS 26 S
RAMSEY
SEXTON 26 S
MANILA
FLEEMAN 32 S
LITTLE ROCK 102
TERRE HAUTE 87
KANSAS CITY
ST. LOUIS
ST. LOUIS MEMPHIS
MO. ARK.
169
249
270
55
70
44
30
226
130
232
310
93
85
84
264
354
353
157
174
171
57
44
12
14
101
108
116
117
SPANISH LAKE
ST. PETERS
FOOD RIVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF BASIC LOW ACTIVITY "R" CHARGEOUT.
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

TERRE HAUTE 67



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ : EXTREMELY HAZARDOUS

Ⓓ : USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

RADIO — ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE (Rantoul)(Army)	365 (DNU)	SBMRAZ	(3), 126.18
Chanute Field	396 (126.18)	CA, 43°, 3.3	(3), 126.18
EFFINGHAM	275 (EF)(116.1)	BMRLZ-VDT,341°,0-Intermediate	(4), 116.1
SCOTT (Belleville)(Army)	263 (DCD)	SBMRAPZ-DT,49°,1.8	(4)
SPRINGFIELD	239 (ZD)	SBMRAZ-DT,113°,2.3	(4)
INDIANA			
EVANSVILLE	233 (EV)	SBRAZ-DT	(3)
Evansville Airport (old)	278 (118.5)	C, 177°, 5.5	(4):126.18.118.5.131.9
TERRE HAUTE	248 (TH)(116.1)	BMRLZ-VDT;182°, 0 Paul Cox	(4): 116.1

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5. kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen (Arcola)	2 W,RR N,E	665	20 S6	80 oct.Pole line N, E.
B & K (Fairfield)	1.4 WSW,RR S	500	21 S2	80 oct. Pole line S.
Beckerman (Mt.Carmel)	4 W,RR S	424	23 S1	80 oct. Pole line N.
(P) Bloomington	3 E,RR N	875	31 S6	80 oct. Pole line N.
Carbondale	0.1 E,lake 2 E	450	20 S4	80 oct. No sto.
Champaign	2 NNW,RR SW	753	28 L S4	73 oct.Range lgts.Appchs blocked.
(A) Chanute (Rantoul)(A)	1 SE,RR W	744	63h R2 L5	73,91,100 oct. JP-1.Pole N.
Charleston	1.3 SW,hwy E	690	26 S6	80 oct.Use marked areas.
Clinton Flying Club	5.5 NE	720	13	
Cooper (Tuscola)	1.6 SW,RR E	650	24 S2	80 oct.Poles NW, SE, NE, E
Cyril Lebert(Lebanon)	0.5 SE,hwy N	440	22 S2	80 oct.Poles N, W, S.
Danville	2.4 SSW,hwy W	640	24 S4	80 oct. Appchs blocked by poles.
Decatur	3.5 E	678	53 S6	80 oct.Strip data unver.
Decatur Park District	4 E,RR,hwy S	679	16 S1	80 oct. Pole line N,SW,NW,NE.
Denis (Muddy)	Adj E	400	27 S1	80 oct Data unverified.
Du Quoin	1.8 W,hwy S	454	26 S2	73 oct. 25' poles S.
Effingham Co. Memorial	3.6 S,hwy W	585	30 S2	80 oct.
* Effingham Int,10,LS-ID	2.5 N,RR E	607	26 R1 L3 S1	73 oct. on req.
Fleck's Lakeview (Rochester)	2.8 W,lake W	580	21 S6	80 oct. No sto. Poles W.
Flora	1.1 WSW,RR N	490	27 S1	80 oct. Trees, poles N.
George (Lawrenceville)	4.5 NE,RR S	428	52h	
Highland-Winet(Highland)	3.6 NE,RR S	535	24	Pole line S.
Illini (Urbana)	2 NNE,hwy SE	740	26 S6	80 oct. Trees E.
Leckrone (Salem)	1.9 NW,hwy S	545	39 S6	80,91 oct. Use strips only.
McCoy (Blue Mound)	5 W	660	16 S2	No fuel.
Macarin (Marion)	4.6 WNW,hwy W	470	35 S6	80, 91 oct.
Marion	1.8 ESE,RR S	430	26 S6	73 oct.
Mattoon	4 E,RR N	720	26 S4	80 oct. Poles W.
Medbery (Armington)	1 NE	650	26	Data not verified.
Moody (Dalton City)	2.2 S,hwy W	680	19 S2	80 oct. Trees E.
Murphysboro	3 N,riv SE		20 S1	80 oct. Data not verified.
Paris	3.5NNW;RR,hwy	740	30 S1	80,91 oct.Poles SW,S,W.
Pekin	4 S,bet RRs	505	24 S2	80 oct. Pole line W,N, E.
PEORIA	4.8 WSW,rd E	659	44h R1 L1 S6	80,91 oct. Trees W,bldgs NE.
Presbyterian Church No. 3 (St Francisville	4 WNW,hwy E	430	45h	
Russell's (Hoopeston)	6.5 WNW,RR S		13	PRIVATE. Data not verified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page X11u (NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Shelby County (Shelbyville)	1.9 ESE,RR N	677	21 S1	80 oct.
Smith Aviation (St.Elmo)	1.3 SW,RR NW	647	20 L1 S2	80 oct. Poles N, NE.Rnwy data unver
(P) Springfield	3.5 SW,bet RRs	606	31 R1 S6	80,91 oct.Use strips only.
(P) University of Illinois (Champaign)	5.5 SSW,RR E	752	53h S4	80, 91 oct.
Vandalia	4.4 NW	532	39h L2 S2	80 oct.
Vermilion (Danville)	4 E,hwy S	650	21 S2	80 oct. 30' poles S.
White County (Carmi)	1.1 NE, RR S	450	17 S1	80 oct.
Mount Vernon	2.5 ENE,RR S	465	37 L S6	80,91oct.Data unver.Temp port lgts.
Taylorville	1 SW		26 S1	80 oct. Data not verified.
Hillsboro	1 NE	630	25 S4	Inf,not verified
Schilt (Olney)	1.5 E;RR S		30 S1	80 oct.Data not verified.
Nashville	1 E;lake W		20 S1	80 oct. Info unverified.
Casey	1 NW		26 S2	80 oct. Info unverified.
INDIANA				
Attica	2 S;hwy W	647	26 S1	80 oct. Data not verified.
Cork (West Lebanon)	4 W		24 S1	80 oct. Obsts NE. Data unverif.
Emison (Oaktown)	3.6 WSW	425	45h	
EVANSVILLE (old)	5 NE;bet RRs	385	60h R2 L5 S4	80, 91 oct. Twr W.
Ferguson (Richland)	0.5 SE		13	Data not verified.
Highland (Perrysville)	2.8 WNW,riv E	585	23 S2	Ltd 73 oct.
(P)HULMAN (Terre Haute)	5 ESE; RR N	585	53h L5	Fld lgts prior req.
→ Jordan (Bloomingdale)	3.5 N		33 S1	80 oct.Use NE/SW strip.Data unver.
Kingman Flying Service (Kingman)	0.5 E,hwy N	700	26 S4	80 oct. No sto.
Linton	3.3 E, RR S	500	20 S1	Ltd 80 oct. Pole line N.
→ Mount Vernon	1 E;bet hwy,riv	390	26 S1	80,91 oct.Data unverified.
O'Neal (Vincennes)	1.5 WNW,RR NE	415	28 S6	73,80 oct.NNW appch blocked.
Paul S. Cox (Terre Haute)	3.2 S,riv W	485	27 R1 S4	80, 91 oct. Stacks NE.
Straub (Cynthiana)	0.5 NW		13	Info. unverified.
Washington Mun.	4 N		30 S4	80 oct. Info. unverif.
Washington	3 W		21	Info. unver.
Charlestown	5 NE; hwy E		15 S6	80 oct. Info unverified.
KENTUCKY				
Madisonville	6 ENE; hwy SE	420	24 S4	80 oct. Use strips only.
Owensboro	2.5 ENE;RR NW	484	26 S6	73, 91 oct. No sto.
Sturgis	1.5 ESE,hwy SW	371	50h	
MISSOURI				
Chester (McBride)	3.8 NW,riv N	372	20h	Allway: 5388 x 4695'.
Midway Aviation(Horace,Ill	1 E,RR W	650	26 S2	80 oct.Poles,bldgs,trees E,N.
→ Henderson,Ky.	6 SW,riv N		23 S1	80 oct.Data unver.

RADIO — INDIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ADVANCE FM	(- - - -)	FM, 330°, 24	Indianapolis
CEDAR GROVE FM	(- - - -)	FM, 297°, 35	Cincinnati, Ohio
CLAYTON FM	(- - -)	FM, 250°, 11.2	Indianapolis
FREEMAN (Seymour) (Army)	203 (DSR)	MRLWZ	
Freeman Field	396 (126.18)	CA; 159°, 11.6	(3); 126.18 (9-17)
Freeman Field (Hfac.)	219 (DSR)	MH	Operates cont.
GREENCASTLE FM	(. . - - - -)	FM, 250°, 27	Indianapolis
GREENFIELD FM	(-)	FM, 82°, 31	Indianapolis
INDIANAPOLIS	266 (ID)(116.1)	SBRAZ-VDT	(3) 116.1
Indianapolis Airport	278 (126.18,	AC (ILS); 82°, 3.3	(4); 131.9, 126.18,
LAFAYETTE (Purdue University)	227(LF)	BMRL-DT; 500°, 2.4	(4) 118.7
MILROY (Int.)	347 (MV)	MHT	(4)
MORGANTOWN FM	(- -)	FM, 177°, 22	Indianapolis

KENTUCKY

BOWMAN FIELD (Louisville)	278 (126.18) (118.3)	AC	(4); 116.1, 131.9, 126.18, 118.3
EASTWOOD FM	(- -)	FM, 89°, 9.4	Louisville
GODMAN (Fort Knox)(Army)	227 (DKX)	BMRLZ	
Godman Field	272 (126.18)	CA; 172°, 3.1	(3); 126.18 (6-24)
LOUISVILLE (Bowman)	359 (LV)	SBMRLZ-DTX; 269°	(3)
SHEPHERDSVILLE FM	(- - -)	FM, 180°, 18	1.6 Louisville
SULPHUR FM	(. . - - -)	FM, 227°, 70	Cincinnati, Ohio
UNION FM	(- - -)	FM, 227°, 24	Cincinnati, Ohio
WARSAW (Int.)	212 (WR)	MHT	(4)

OHIO

CINCINNATI (Lunken)	335 (CL)	SBMRZ-DT; 227°, 5.2	(3)
DAYTON	245 (DY) (116.1)	SBMLZ-VDT	(3); 116.1
Dayton Airport	278 (126.18, 118.9)	AC (ILS); 90°,	(4); 131.9, 126.18, 118.9
FAIRFIELD FM (Army)	(- - -)	FM, 196°, 9.3	Patterson
LOVELAND FM	(-)	FM, 44°, 8.8	Cincinnati
LUNKEN (Cincinnati)	227 (126.18, 118.7)	AC	(4); 116.1, 131.9, 126.18, 118.7
PATTERSON (Fairfield) (Army)	379 (DPK) (116.1)	SBMRAZ-VDT	(4); 116.1
Patterson Field	396 (126.18)	CA (ILS); 320°, 2.96	(4); 126.18 (GCA)
VERONA FM	(- - - -)	FM, 270°, 9.9	Dayton
WRIGHT (Dayton)	260 (126.1)	CA	3105, 4495; 126.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Dayton, Ohio	110.3	335	55° Mag.	IM- ····· (.05)	MM-	OM- -- (4.4)
					MMK-	OMK-
Indianapolis Ind.	109.9	333.8	44° Mag.	IM- ····· (.05)	MM- ---- (.89)	OM- -- (4.3)
					MMK- ---- (.5)	OMK-
Patterson, Ohio	108.7	333.8	210° Mag.	IM- (.09)	MM- ·····(1.5)	OM- -- (4.5)
					MMK-	OMK-

S Simultaneous Range and Voice. W Without Voice. Z VHF Station Location Marker at Range Station.
(3)-3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 31175 kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — INDIANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Ace (Anderson)	2 S	875	30 L S4	80 oct. Port rnwy lgts.
Anderson	3.5 SE; RR NE	875	26 S6	80 oct. No sto. Trees E.
Aretz (Lafayette)	4 NE	500	35 S6	80 oct. Info. unverified.
(A) Atterbury AAR (Columbus) (A)	3.5 N; hwy S	651	50h	INACTIVE.
Bargersville	1 N		20	Info. unverified.
Beck (Zionsville)	5 NE; crk W		14 S2	80 oct. Poleline W. Info. unverified.
Bedford	3.5 SE	682	19 S2	Ltd 73 oct. Rnwy data
Black Hawk (Sheridan)	5.3 N; hwy E	600	16 S1	Ltd 73 oct. unver.
(P) Bloomington	5 WSW; RR SE	840	40 L S2	73, 80 oct. Poleline S. Rnwy info. unverified.
Boss-Denien (Salem)	3 WNW; RR N		26 S6	80 oct. Poleline S. Data not verified.
Bringham (Portland)	1.5 E; RR E	1020	20	Poles S; 120' tank SW.
Brightwood (Indiana-polis)	3.7 NE; rd S		44 S4	80 oct. Data unverif.
Brownsburg	1.5 SSE; RR N	650	20 S1	73 oct. Poleline S.
Bunker Hill	1.8 W; RR N	798	50h	
Bush (Jeffersonville)	3 NE		20 S2	80 oct. Inf. unverified.
Bush (Ramsey)	1.5 WSW; hwy N	580	10 S1	73 oct.
→ Campus (Bloomington)	1.5 ENE, RR S	883	22 S4	80 oct.
Columbus	4.5 SSW	616	45h S4	80 oct. No sto.
Coxey's (Winchester)	1 ESE; hwy N	1088	16 S4	80 oct.
Crawfordsville	4.5 SSW; hwys E, W	850	37 S4	80 oct. No sto. Info. unverified.
East Richmond (Richmond)	3.7 ESE; RR E	1090	20 S6	73 oct.
Elwood	1.8 SSE; hwy NE	850	23 S4	80 oct. Data unverif.
Farmers (Greenfield)	9 NW		26 S2	73 oct. Info. unverif.
Fortville	2.8 E; rd N	740	15 S1	Ltd 73 oct. Trees SSW.
Franklin Fly. Field	4 S; riv S	745	22 S2	80 oct. Trees S.
(A) Freeman (Seymour)(A)	2 SW; hwy N	575	55h R2 L5 S6	73, 91, 100 oct. JP-1.
French Lick Sprgs. (NC)	1 SE; RR W	500	27h	
G & C (Anderson)	1 N	875	30	Info. unverified.
Greencastle	8 SE		23 S2	80 oct. Info. unver.
(P) Greenfield, Inc.	1.9 ENE, RR S	910	30 S2	80 oct. Poleline S.
Halsmer (Lafayette)	3 ESE; RR S	595	20 S6	80 oct. Poles SW.
Himes (Ladoga)	4 NW		13	Info. unver.
Hoosier (Indianapolis)	4 WNW	740	26 S5	80 oct. Pole line NE.
Howells (Rushville)	2 SE; hwy SW	985	21 S6	80, 91 oct.
Huffman Air Service (Selma)	0.8 SE; RR N	1000	15 S4	73 oct.
Huntingburg 19, LS-LV	3 S; RR E	500	31 L2 S2	73 oct.
(P) INDIANAPOLIS	8 SW; hwy N	796	53h R3 L6 S6	73, 87, 91, 100 oct. Exper.
Kokomo, mun.	4.7 NE	835	40h L5 S2	80 oct. P-line N. lgts.
Lapel	1 NE		13	Rough. Info. unver.
Lawrenceburg	1 SW		22	Info. unver.
Lebanon	1 S; RR N	925	13 S2	80 oct. Trees SW.
Lizton	1 SE		25	Info. unverified.
Lockwood (Frankfort)	2.5 S; RR W	764	20 S4	80 oct. Ditch W.
Loy (Plainfield)	0.5 NE; RR S		19 S6	73 oct. Data unver.
Madison Commercial	2.2 N; RR W	960	24 S2	80 oct. Poles E.
(A) Madison AAF (A)	6 NNW; RR SW	850	50h	Closed to all acft.
Mapleton (Seymour)	3 E		18 S4	80 oct. No sto. Info. unver.
Martinsville	2 W		10	Info. unver.
Marion	3.8 SSW; hwy S	832	24 L S4	73 oct. Poles E; hi-line N.
Mecco (Danville)	0.5 W		13 S2	73 oct. Info. unver.
Mettel (Connersville)	2.4 NNE; RR E	950	29 S1	80 oct.
Milroy Int. 5, CC-CG	5.5 ESE	1034	27 R1 L3	
Moore (Zionsville)	12 NW		14 S1	80 oct. Info. unver.
Muncie	3.5 N; RR SW	950	31h L4 S6	80, 91 oct. Lgts prior req. Rnwy info. unver.
New Castle	3.2 E; RR S	1040	23 S6	80 oct. No sto.
New Castle Western (New Castle)	2.3 NW; lks SE	1080	26 L S1	73 oct. Port rnwy lgts.
Noblesville	0.5 SE	801	27 S1	80 oct. Poleline S end NW/SE strip. Info. unver
Ockley	1 W		23	Pwrlines N, W; trees E. Info. unver.
Owen (Mooresville)	4 E		31 S1	80 oct. Info. unver.
Purdue University (Lafayette)	2.5 W; RR N	605	35h R1 L3 S6	80 oct. Silo N; stack NE.
Reese (Muncie)	4 E	950	19 S2	80 oct. Info. unver.
Reimer (Lafayette)	2 S		25 S2	80 oct. Info. unver.
Richmond, com.	4 WSW; RR N	1075	42 L1 S2	80 oct.
(P) Richmond, mun.	6 SSE; RR W	1139	55h L5	Contact lgts on req.
Ruzicka (Kokomo)	2.5 S; RR E	800	22 S6	80 oct. Pole E; trees N.
St. Anne #2 (Seymour)	2.3 NNE	750	45h	
Scottsburg	2 W		18	Info unver.
Shank's (Indianapolis)	5 WNW	740	28 S6	80 oct. Info. unver.
Shelbyville	3.1 S; hwy E	850	19	Poleline E.
Silent Brook (Orleans)	5 W; riv SW	650	20 S4	80 oct. Hi-line W, SW
Sky Harbor (Indianap's)	7 ENE; hwy S	730	26 L S6	73, 80 oct. Pole line E.
Sky Haven (Bedford)	2 SSW; riv S	650	36h S4	80, 91 oct. Poleline E, S. Rnwy data not verif.
Steed (Portland)	1.5 NW	1030	20 S2	80 oct. Obsts N end NE-SW stp. Info. unver.
Stiles (Shoals)	1 N	740	22 S2	80 oct. Info. unver.
(A) Stout (Indianapolis)(A)	5.5 WSW	712	45h	INACTIVE.
Templeton (Greensb'g)	3.5 WNW; RR N	915	26 S4	73, 80 oct. Pwrline S. No sto.
Vevay	1 E	450	20 S2	73 oct. Tree NE corner Info. unver.
West Side (Marion)	2.5 NW; hwy S	835	26 S1	73 oct. Pole line E.
White Cloud (Greenw'd)	1.6 SW; hwy E	800	25 S4	Fuel. No sto. Info. unver.
Yorktown	1 S		22 S1	80 oct. Obsts E. Info. unver.

KENTUCKY

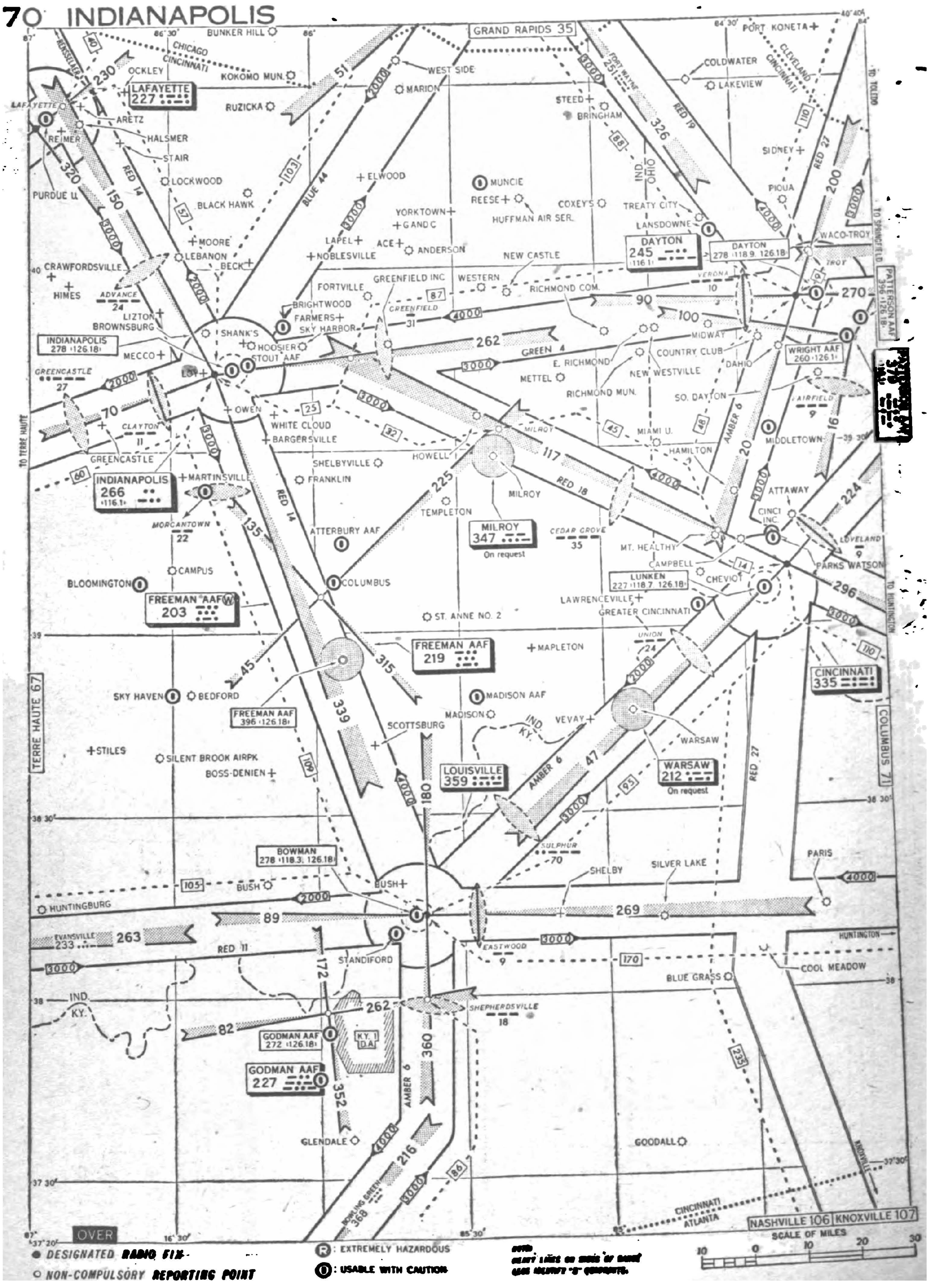
Blue Grass (Lexington)	6 W; hwy N	978	40h L5 S4	80, 91 oct.
(A) BOWMAN (Louisville)	5.5 ESE; hwy S	546	44h R2 L5 S6	73, 91, 100 oct.
Cool Meadow (Lexington)	4.8 N; rd W	910	28 S6	80, 91 oct. No sto. Pole line SW.
* Glendale Int. 75B,	0.5 NE; RR NW	702	26 L3	(DL-LV)
(A) Godman (Ft. Knox)(A)	1 NW; RR E	740	52h R2 L5 S4	73, 91, 100 oct. No sto.
Goodall (Danville)	4.2 S; RR W, S	990	27 S6	80 oct.
(P) Greater Cincinnati (Covington)	8.2 W; riv NE	889	55h L5 S1	91, 80 oct. Svcg days only. Ctc lgts prior req.
Paris	1.2 NNE	635	20 S1	80 oct. Ravines NE, SE.
Shelby (Shelbyville)	2.5 ENE; hwy S	850	20 S2	80 oct. Info. unver.
Silver Lake (Frankfort)	3.2 E; hwy N	750	25 S2	80 oct.
Standiford (Louisville)	4.3 SSE; RR W	480	50h L5	
* Warsaw Int. 5A, LV-CV	0.8 SW; riv NW	485	30 R1 L3	

OHIO

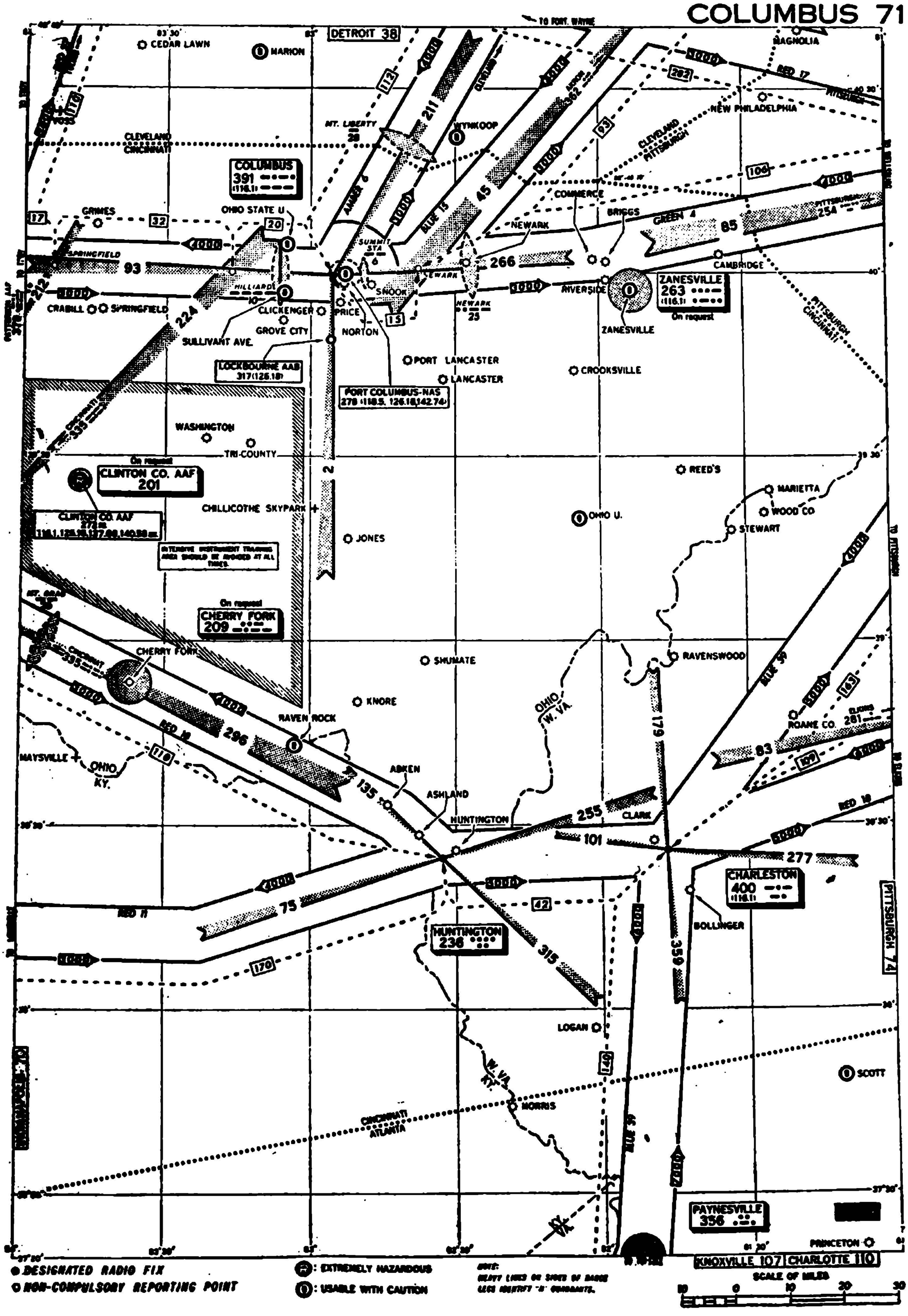
Attaway Air Ranch (Mason)	4.2 S; RR NW	856	23 S4	80 oct. No sto. Pole line E.
Campbell (Cincinnati)	6.2 NNW; RR E	820	24 S1	80 oct. Pole line WSW.
Cheviot (Cincinnati)	9 W	914	18 L1 S1	80 oct.
Cincinnati (Sharonv'l)	2 SE; hwy N	860	37 S6	80 oct.
* Coldwater Int. 4, DY-CO	2 NW; crk NW	898	33 L3	
Country Club (Johnsv'l)	2.9 N; RR NE	990	26	Poles N, S.
Dahio (Dayton)	8.5 W; hwy S	925	37 S4	80 oct.
DAYTON	10 N; hwy E	1000	55h R3 L5 S6	73, 80, 91, 100 oct.
Hamilton	2.5 SE; RR SW	615	29 S6	80, 91 oct. Poles S, SE. Trees NW.
Happy Landings (Morrow) (NC)	2.4 ESE; RR S	880	28	Area SE unusable.
Harrison (NC)	2 ESE; RR SW	580	18	Pole line S.
Hightman (Lebanon)(NC)	3 E; RR W	880	16	Pole line W; trees W, E.
Lakeview (Montezuma)	1 SW; hwy W	895	24 S2	80 oct. Pole N.
(A) LUNKEN (Cincinnati)	4.3 SE; RR SW	481	41h R2 L5 S6	73, 91, 100 oct. Bcn. ESE.
(P) Miami University (Oxford)	2.2 WSW; RR W	1040	40 S6	80 oct. Poles N, NW.
Middletown	1.5 N; riv N	653	31 S4	80 oct.
Midway (Lewisburg)	3.4 WSW; RR E	1090	26 S4	80 oct. Trees W.
Mt. Healthy (Cincinnati)	9.5 NW; hwy E	870	22 S6	80 oct. Poles E; woods W.
New Westville (New Paris)	2.8 S; RR S	1180	21 S1	80 oct. Poles E, NW, SE.
Parks Watson (Cincinnati)	9 NE; RR E	865	25 S6	80 oct.
(A) Patterson (Fairfld)(A)	1.6 WSW	819	78h R3 L6 S4	73, 100 oct. JP-1.
Piqua	4 WNW; RR S	1000	19 S2	80 oct. Poles S, SE, SW.
Polk Grove (Vandalia)	3.6 W; riv W	975		UNUSABLE. (NC)
Sidney	1 W; RR S		25 S2	80 oct. Data unver.
South Dayton (Dayton)	5 SSW; RR W	750	32 S6	80 oct. No sto. Hills S.
Treaty City (Greenv'l)	1.5 NNE; hwy W	1060	20 S4	80 oct. Poleline W.
Waco-Troy (Troy)	1.8 SW; RR SE	870	29 S1	80 oct.
(A) Wright (Dayton)(A)	5 ENE; RR NW	800	72h R1 L5 S2	62, 73, 91, 100 oct. JP-1 CLOSED.
Lansdowne (Greenv'l) (Ohio)	2 ESE; RR N		19	Bldgs, hi-line N. Inf. unver.
Port Koneta (Wapakoneta, Ohio)	2.5 NNE; RR E		26 S1	80 oct. Inf. unver.
Stair (Mulberry) Ind.	0.13 NE; hwy S	650	16 S4	80 oct. No sto. Pole line S. Data unver

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page x i i) NC (not charted). → NEW OR REVISED DATA.

70 INDIANAPOLIS



COLUMBUS 71


DETROIT 38
TO FORT WAYNE
MAGNOLIA
CEDAR LAWN
MARION
NEW PHILADELPHIA
MT. LIBERTY
WYNKOOP
CLEVELAND CINCINNATI
CLEVELAND PITTSBURGH
COLUMBUS 391 (118.1)
COMMERCE
BRIGGS
OHIO STATE U
GRIMES
NEWARK
SUMMIT STA
SPRINGFIELD
CAMBRIDGE
ZANESVILLE 263 (116.1)
On request
SNOOR
HILLIARD
CRABILL
SPRINGFIELD
CLICKENGER
RIVERSIDE
PRICE
NEWARK
GROVE CITY
NORTON
ZANESVILLE
PITTSBURGH CINCINNATI
SULLIVANT AVE.
LOCKBOURNE AAB 317 (126.1R)
PORT LANCASTER
LANCASTER
CROOKSVILLE
PORT COLUMBUS-NAS 278 (118.5, 126.1R, 142.7R)
WASHINGTON
TRI-COUNTY
On request
CLINTON CO. AAF 201
REED'S
MARIETTA
WOOD CO
CHILLICOTHE SKYPARK
OHIO U.
STEWART
JONES
On request
CHERRY FORK 209
CHERRY FORK
SHUMATE
RAVENSWOOD
KNORE
OHIO W. VA.
RAVEN ROCK
ROANE CO. 281 (122.9)
MAYSVILLE
OHIO KY.
ABKEN
ASHLAND
HUNTINGTON
CLARK
CHARLESTON 400 (116.1)
HUNTINGTON 236
BOLLINGER
LOGAN
SCOTT
MORRIS
CINCINNATI ATLANTA
PAYNESVILLE 356
PRINCETON
KNOXVILLE 107
CHARLOTTE 110
SCALE OF MILES
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF BASIC LEGS IDENTIFY "B" GUARANTS.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHERRY FORK (Int.)	209 (UY)	MHT	(4)
→ CLINTON CO. (Wilmington)	272 (126.18, 140.58.116.1)	CA(ILS)	(3); 126.18,137.7,116.1 Tr on 137.88 on req.(GCA)
→ Clinton County (Wilmington) (Army)	201	K	0.2 mi. end Rnwy 22,(8-1630, Mon-Fri.or on 30 min notice)
COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-VDT,86°, 1.9	(3); 116.1
HILLIARD FM	(- - - -)	FM, 273°, 9.8	Columbus
LOCKBOURNE AAB(Columbus)	317 (126.18)	CA (ILS)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°, 25	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18,142.74)	AC	(4), 131.9, 118.5, 126.18, 142.74
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1
WEST VIRGINIA			
CHARLESTON	400 (KN)(116.1)	SBMRAZ-VDT	(4), 116.1
HUNTINGTON	236 (HI)	BMRLZ-DT, 75°, 2.4	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOCKBOURNE AAB, OHIO	109.9		3° Mag.	IM (.16)	MM ····· (.85)	OM -- (4.29)
					MMK	OMK
CLINTON CO. AAF, OHIO	109.5 ▬▬ 111.1 ▬▬	332.6	320° Mag.	IM (.05)	MM	OM
					MMK	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — KENTUCKY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E, RR SE	535	29 S4	80 oct.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.
OHIO				
Briggs (Zanesville)	6.4 NNE,RR W	780	18 S2	80 oct. Poles E.
Cambridge	2 N, RR W	800	27 L3 S2	73 oct.
Cedar Lawn (Kenton)	2.3 S, RR E	975	18 S2	80 oct. Poles E.
★ Cherry Fork Int,4,CC-WA	0.5 NNW	939	39 R1 L3	
Chillicothe Skypark	1.8 N,RR E	640	30 S4	80,91 oct. Data not verified.
Clickenger (Columbus)	6.2 SSE,RR E	748	26 S2	80 oct. Poles surround fld.
(A) Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
Commerce (Zanesville)	6.5 N,RR,riv E	800	28 S2	73, 80 oct.
Crabill (Springfield)	2.5 SE,RR E	1040	29 S6	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111(NC)-Not charted. → NEW OR REVISED DATA

OHIO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
Grimes (Urbana)	1.5 N,RR W	1055	35 L4 S6	80 oct. Fld lgts prior req.
Grove City	1 S, RR W	860	21 S6	73,80 oct. No sto. Poles W.
Jones (Chillocothe)	7.2 SE,RR SW	720	20 S2	Ltd 80 oct.
Knore (Minford)	2 SE,RR W	670	20 S6	80 oct. No sto. Pwr line S.
Lancaster	2.5 E;RR N,SW	830	25 S4	80 oct. Poles E.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	738	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S1	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S2	80 oct.
Newark,2, CO-PG	3.5 SW,RR N	880	25 L3 S2	73 oct. 200' stacks S.
New Philadelphia	2.5 SE,RR SW	885	36 S6	80 oct. Poles N,E,W.
Norton (Columbus)	6.5 E,RR N	800	22 S6	80, 91 oct. Pole line N.
Ohio State University (Columbus)	8 NNW,riv E	900	22h S2	80, 91 oct.
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) Port Columbus - NAS → (Columbus)	7 E, RR S	815	50h R2 L6 S6	80-100 oct. Poles NW.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	14	Poles NNE; trees SSW.
Price (Columbus)	6 SE	760	22 S6	80 oct. Poles S, SE.
Raven Rock (Portsmouth)	3.5 WSW,riv S	538	24 L3 S6	80,91 oct. Lgtg fac not verified.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE.
Riverside (Zanesville)	3.4 NNE,RR W	700	40 S4	80 oct. Hill, trees NNE,SSW
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RP. NE	640	24	
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,RR N	1050	27 LA S4	80 oct. No sto. Fld lgts prior req.
Sullivant Ave.(Columbus)	6 WSW,RR NW	860	31 S6	80,91 oct. Pole line S.
Tri-Co. (New Holland)	3 ESE,RR N	950	21 S1	80 oct.
Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE,RR S	910	22 S1	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	960	13	
Woodsfield (NC)	1 W,hwy NE	1220	19	
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S1	80,91 oct. Pole line E. RR E.
Zaleski St. Forest Svc.	1 SSW,RR NW	705	22	(NC)
(P) Zanesville	6.2 E,hwys N,S	902	50h R1 L5 S1	80 oct. prior req.
(P) Huntington(Chesapeake)	2 WSW, riv S	560	29h R1 S6	80,91 oct.
→ Port Lancaster Corp. (Hooker)	0.8 N;RR W	800	28 S1	80,91 oct. Hwy W.
→ Snook(Reynoldsburg)	1.4 NE;RR N	980	21 S6	80 oct. Pole line E;trees SW.
WEST VIRGINIA				
Bollinger(Charleston)	4.5 SW,riv N	900	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
Roane Co. (Spencer)	1 SE,hwy NE	954	17 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N, RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct. Pole line SE.
(P) Wood Co. (Parkersburg)	7 NE, hwy E	835	45h L5 S6	80, 91, 100 oct. All lgts prior req.
Logan	7.2 NNW,riv E	630	15h S1	80 oct Hill S,N.
Huntington				See Huntington Arpt, Chesapeake, Ohio
→ Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct.P-line S.Data unver.

RADIO

PENNSYLVANIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALLEGHENY CO. ARPT (Pittsburgh)	278 (126.18 (118.7)	AC	(4);140.1,131.1,126.18
ALTOONA (Altoona-Blair Co.)	338(RP) (116.1)	SBMRAZ-VDT:203° 1.3	(4);116.1
CECIL FM	(- - -)	FM, 265°, 10.3	Pittsburgh
GREATER PITTSBURGH AIRPORT PITTSBURGH	396 (126.18	CA	(3);126.18
HOOKSTOWN FM	(- - - -)	FM,308°, 32	Pittsburgh
MT. PLEASANT FM	(- -)	FM,124°, 24.7	Pittsburgh
NEW ALEXANDRIA FM	(-)	FM, 85°, 30	Pittsburgh
PITTSBURGH	254(PT) (116.1)	SBRAZ-VDT ;85°, 2.2	(3);116.1
SUMMERHILL FM	(- - - -)	FM, 281° 22	Altoona
CECIL	219(C)	FMR,265°,10.3	Pittsburgh

VIRGINIA

FRONT ROYAL	342(FZ)(116.1)	SBMRAZ-VDT	(4);116.1
GORDONSVILLE (Int)	388(OJ)(116.1)	SBMRAZ-VDT;135°,2.6	(4);116.1
LYNCHBURG (Preston Glenn)	206(LB)(116.1)	SBRAZ-VDT;165°,2.1	(4);116.1

WEST VIRGINIA

ELKINS	281(EK)(116.1)	SBMRAZ-VDT:17°,2.9	(4);116.1
MARTINSBURG	209(MR) (116.1)	BMRLZ-VDT;35°,2.9	(4); 116.1
MORGANTOWN	269(MG)(116.1)	BMRLZ-VDT;173°,5.8	(4);116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM	MM	OM
PITTSBURGH, PA.			95° Mag.		PMK 201----(.80)	MY

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

MARYLAND

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Cumberland	2.5 S;riv N,S	780	58h L5 S1	80 oct. Mtns SW.
Mexico Farms(Cumberland)	3 S;RR E	630	36 S2	80 oct,Mtns E.

OHIO

Scott (Tiltonsville)(NC)	1.5 SSW;riv E	650	25	
Toronto	1.5 NW;riv E	1050	22	

PENNSYLVANIA

ALLEGHENY COUNTY(Pittsburgh)	5.3 S;RR NW	1251	57h R2 L6 S6	80-100 oct.No ctc lgts.Rdo req.
Allegheny Val'y(Tarentum)	3.2 W;RR W	1135	24 S4	80 oct.
Altoona(Duncansville)	1 SW;RR E	1050	36 S4	73 oct.
Altoona-Blair Co.,24A-CO-PO	15 SSE	1595	44h R1 L4 S2	80,91 oct.
* Buckstown Int.12D,WA-CV	1 E;hwy S	2480	23 L3	
Connellsville	4 SSW;hwy E	1250	34h S2	80 oct.
Cresson	1 NE;RR W	2240	25 S2	80 oct.Pole line S.
(A) Greater Pittsburgh (Pittsburgh)(A)	16 WNW;riv N	1145	55h R1 L5 S4	91,100 oct.JP-1
Greene County (Waynesburg)	2.7 E;RR NW	1100	32 S6	80 oct.
Hamilton (Indiana)	2.5 E;hwy S	1440	26 S6	80 oct.Pole line S.
Harrison City	1.1 NW;hwy S	1230	17	Poles NW.
Huntingdon	1 S;riv NE	620	20 S4	80 oct.Pole line W.
(P) Johnstown	4.7 E;hwy N	2282	45h	
Keystone (Ebensburg)	3 SW;RR NW	2100	23 S4	87 oct.Obst sur fld.
Latrobe	2.8 SSW;hwy N	1144	23h S4	80 oct.
Leechburg	1.6 ESE;hwy W	960	30 S6	73 oct.Pole line N,NE.
Mayer (Pittsburgh)	10 WSW;RR S	770	16 S4	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page xiii) (NC)-Not charted. → NEW OR REVISED DATA

PENNSYLVANIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
New Alexandria	1.5 ENE;hwy N	1200	18 S4	80 oct. Pole line N. See Allegheny County Arpt.
PITTSBURGH-ALLEGHENY CO. (Pittsburgh)				
Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct.
Pittsburgh-Greensburg (Greensburg)	2.3 SE;hwy N	1280	26 L3 S6	80 oct.Twr W.No bndry lgts.
Pitt-Wilkins(Pitcairn)	1 NNW	1200	17 S2	80 oct.
Salix	0.6 S;RR NW	2200	24 S4	80 oct.
Somerset	2NNE;RR SE	2200	27 S4	80 oct. Pole line W.
→ Stultz (Altoona)	10.7 NNE;RR N	970	35 S6	80,91 oct.Pole line N.
Vandergrift	2 WNW;RR E	1000	21 S2	73 oct. Pole line NW.

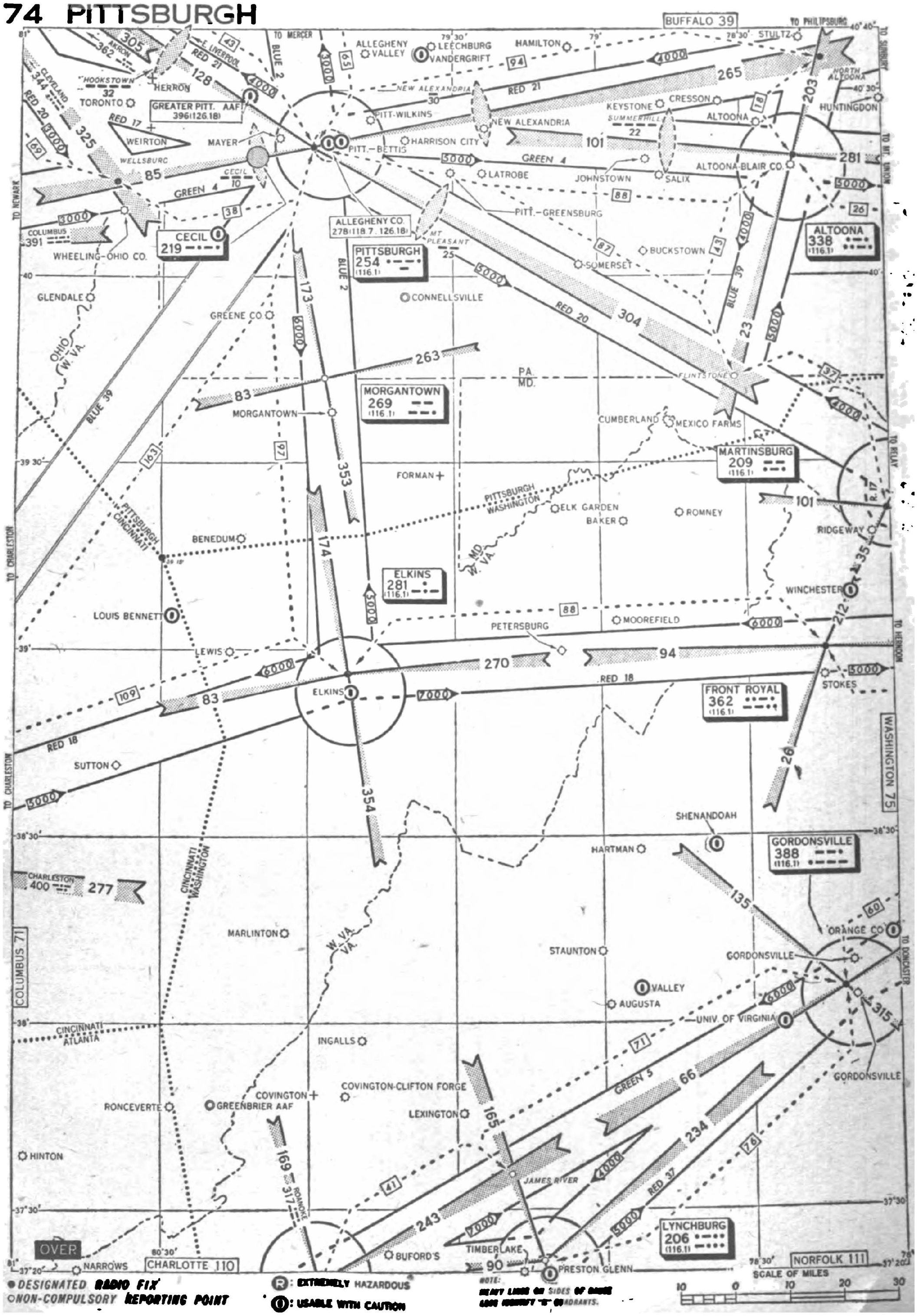
VIRGINIA

Augusta(Waynesboro)	6 WSW;riv SE	1420	24 S4	80 oct.Bad pole line SE.
Buford's (Montvale)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
Covington-Clifton Forge	6.5 E;hwy S	1115	24 S4	80 oct.
Gordonsville	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Int,51,NA-WA	5 SSE	438	31 R1 L3	Pole line SW.
Hartman(Harrisonburg)	1 NW	1350	22 S4	80 oct.
Ingalls (Hot Springs)	3 S;hwy W	3780	31 S2	80 oct, Closed winters.
Lexington	2.7 SW;hwy S	1200	17 S1	73 oct. Pole line NE,SW.
Narrows	1 E;RR S	1550	20 S2	Ltd 80 oct. Trees W.
PRESTON GLENN(Lynchburg)	6.7 SSW;RR SE	935	40h R1 L5 S6	80,91 oct.
Staunton	4.4 NE;RR NW	1300	26 S6	80,91 oct.Pole line NNE.
Stokes (Front Royal)	2.5 W;riv E	735	19 S2	80 oct. Pole line S,E.
Timberlake (Lynchburg)	9.5 SW;RR N	950	26	
University of Virginia (Charlottesville)	5 ESE;riv E	300	35 S6	80, 91 oct.Trees ESE.
Valley (Waynesboro)	1.7 NNE;RR E	1300	26 S2	80 oct. Pole line ENE,SSW
Winchester	3 SSE;hwy E,S	700	22 S6	80 oct.
→ Shenandoah	0.5 SW;hwy W		19 S1	Data unverified.
Orange County (Orange)	4 E;hwy S		20	Data unverified.
Covington	1 NE	1500	20 S4	80 oct. Unverified.

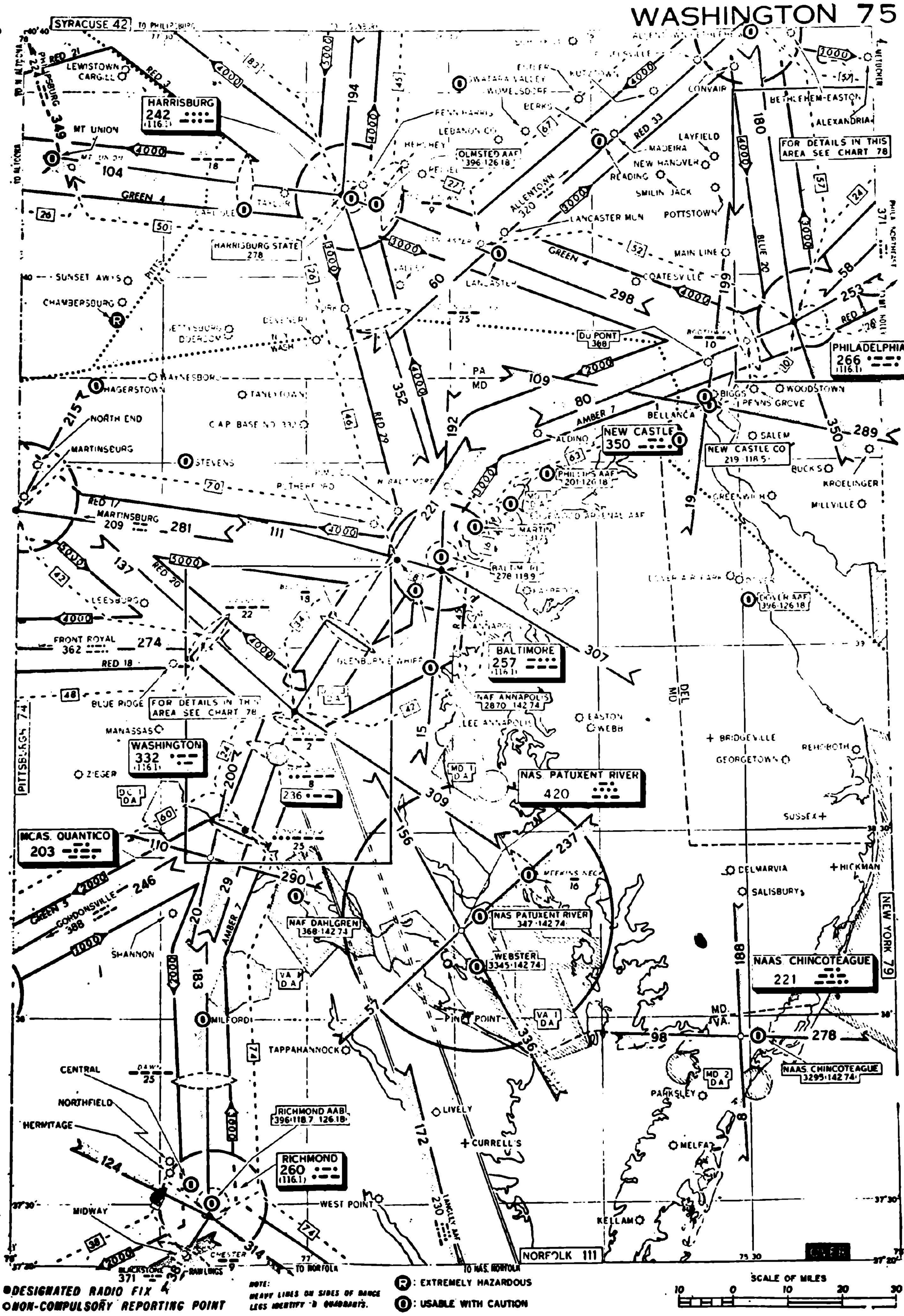
WEST VIRGINIA

Baker Airpark(Burlington	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg)	6 E;hwy S	1170	38h S6	80,91 oct.
(P) ELKINS	2.6 S;RR W	1965	45h R1 L5 S4	80,91 oct. No sto.
Forman (Terra Alta)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
Glendale	0.5 WSW;bet RR & river	640	29 S6	80 oct.Trees N,S;pole line S.
(A) Greenbrier AAF (White Sulphur Springs)(A)	2 SW	1795	35h	
Hinton	4.8 WSW;RR E	2600	26 S4	80 oct. Pole line NNW.
Hinton-Alderson(Pence Springs)(NC)	1 E;riv,RR S	1520	26	Hill W,E.
Lewis (Buckhannon)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Louis Bennett(Weston)	3.2 N;RR E	996	37	Hill S;pole line WNW
Marlinton	1.5 NNE;RR SE	2475	21 S2	80 oct. Hill WNW
Moorefield	0.8 NE;RR W	980	26 S4	80 oct. Trees WNW.
(P) Morgantown	2.2 ENE;hwy NW	1254	36h R1 L3 S6	80 oct.
* Petersburg Int,29,CC-WA	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
Ridgeway (Bunker Hill)	2.3 SSW;RR E	600	20 S6	80 oct.No sto,Pole line SSW.
Romney	2.1 NNE;riv W	750	16 S2	80 oct.Mts WNW,ESE,SSE.
Ronceverte	2 N;hwy SE	2175	18 S2	80 oct.
* Sutton Int, 21, CC-WA	3.6 ENE;RR W	1264	32 L3	
Weirton(Hollidays Cove)	1.5 E		11 S6	80 oct. Data unverified.
(P) Wheeling Ohio County	7.5 NNE;riv W	1190	50h L5	All lgts prior req.
→ Elk Garden (W.Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct. Pole line NW.
→ Herron(New Cumberland, W.Va.)	4 NE;lake W	1250	17 S4	80 oct.Data unver.

74 PITTSBURGH



WASHINGTON 75



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY D BOUNDARIES.

Ⓡ : EXTREMELY HAZARDOUS
Ⓞ : USABLE WITH CAUTION

DELAWARE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DOVER AAF	**396 (126.18)**	CA	(3);126.18 (7-19)
DUPONT ARPT. (Wilmington)	**338**	CI	3105,3117.5,5582.5 (8-20 daily except Sunday)
NEW CASTLE	**350 (NC)**	SMRAZ	
New Castle Co. Airport	**219(118.5)**	CI; 19°,2.8	3105,6210,3117.5; 118.5

DISTRICT OF COLUMBIA

WASHINGTON	**332(WA)(116.1)**	SBRAZ-VDTX	(3); 116.1

-MARYLAND-

ANNAPOLIS	2870(142.74)	CN	3105,2870,6420;142.74
BALTIMORE	257(BO)(116.1)	BMRLZ-VDT	(3); 116.1 (7-17)
Baltimore Mun. Airport	278 (118.9)	C; 12°, 2.3	(4); 131.9,118.9
BELTSVILLE FM	(-)	FM; 41°,17.6	Washington, D.C.
DONCASTER FM	(. . . - - -)	FM; 209°,24.7	Washington, D.C.
MARTIN ARPT (Baltimore)	317	CI	(4)(8-sunset,Mon-Fri.)
MEEKINS NECK FM (Navy)	(-)	FM; 57°, 16	Patuxent River
PATUXENT RIVER (Navy)	420 (NHK)	BMRLZ	(3); 142.74 (GCA)
Patuxent Riv.NAS	347 (142.74)	CN; 57°, 4	(3); 142.74
PHILLIPS FIELD (Aberdeen)	201 (126.18)	CA	(3);126.18 (8-18 Mon.-Friday)
WEBSTER (Priest Point)	**3345 (142.74)**	CN	3105; 142.74 (8-1630)

PENNSYLVANIA

BOOTHWYN FM	(- - -)	FM, 260°,9.5	Philadelphia
CARLISLE FM	(- - - -)	FM, 284°, 18	Harrisburg
HARRISBURG	242(HX)(116.1)	SBRAZ-VDT	(3); 116.1
Harrisburg State Airport	278	C; 118°, 1.1	(4); 116.1,131.9,
MIDDLETOWN FM	**(- -)**	FM, 118°, 9	Harrisburg
OLMSTED FIELD (Middletown)	**396 (126.18)**	CA	(4); 126.18
PHILADELPHIA (Southwest Arpt)	**286**(PG)(116.1)	SBMRAZ-VDT, 97°, 3	(4); 116.1
SEVEN VALLEYS FM	(- - -)	FM, 172°, 25	Harrisburg

-VIRGINIA-

ALEXANDRIA LFM	(- - -)	LFM,209°,2.4	Washington, D.C.
CHESTER FM	(- -)	FM, 218°,9.15	Richmond
CHINCOTEAGUE (Navy)	221 (NKZ)	MRLZ	3105,4495;142.74
Chincoteague NAAS	3295 (142.74)	CN; 98°, 4.5	(3); 142.74
DAHLGREN NAF PROV. GROUNDS	368 (142.74)	CN	(3); 142.74 (8-16 except Sunday)
DAWN FM	(- - - -)	FM, 3°, 25.1	Richmond
HERNDON FM	(- - - -)	FM, 317°, 21.8	Washington, D.C.
MOUNT VERNON FM	(. . - - -)	FM, 209°,8.2	Washington, D.C.
QUANTICO MCAS (Navy)	203 (NYG)	MRLZ:209°,4.6	3105,4495
RICHMOND	260(RW)(116.1)	SBRAZ-VDT	(3); 116.1
Richmond AAB	396 (126.18) (118.7)	AC(ILS):20°,1.9	(4);131.9,118.7,126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Richmond AAB; Va.	109.9		63° Mag.	IM- (17)	MM- .....(.90)	OM- - -(4.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105, 4495, 6210 kcs.; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

DELAWARE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellanca (New Castle)	1.5 W	30	25h L1 S5	80,91 oct. Poles N.
Biggs (New Castle)	1 NW,riv SE	60	21 S2	80 oct. Riv. S
Bridgeville	1.5 S	20	27 S6	80 oct.Data unver.
Dover	1.4 ENE	34	19 S2	80 oct.Poleline N,Crk.
Dover Airpark	2.2 N,rd W	37	25 S2	80 oct. NW.
(A) Dover AAF (A)	4 SE,hwy E	28	70h R1	INACTIVE.
DuPont(Seaford)(NC)	0.8 WSW,RR NE	25	21	Poles NE.PRIVATE. RESTRICTED.
DuPont (Wilmington)	3 WNW,RR E	185	29 R1 L4 S4	80 oct.No sto.
(P) Georgetown	1.5 E,RR NW	51	50h	
(P) New Castle County (Wilmington)	4.8 SW,hwy SE	75	70h R2 L5 S1	80, 91 oct.
Rehoboth Beach Aircrafters	2.5 W,hwy N	10	35 L S6	80,91 oct.Obsts sur fld. Port rnwy lgts.
Skycraft (Wilmington) (NC)	3 NE,rd N	250	15	Poles N,W,S;trees NW, SE.
Sussex (Frankford)	1 N		24 S4	80 oct.Data unver.

MARYLAND

Aldino (Churchville)	2.2 NE,RR SE	400	20 S6	80 oct.
Andelot(Worton)(NC)	4 WNW,bay W	25	20	Trees N
Annapolis	2 SE		18h S4	80,91 oct.No sto.Data unver. Rdo req.
BALTIMORE MUN.	6 SE,RR NE	14	46h R2 L5 S6	80,91 oct;100 oct prior
C.A.P. Base (Westminster)	2.6 N,hwy E	780	20 S4	80 oct.Poleline req. E, NE.
Delmarvia(Salisbury)	2.8 NE,hwy W	45	21 S6	80 oct.Poleline N,E,NE
Easton	2.2 N,RR E	66	20h L S4	80 oct.No sto.Port lgts.
(A) Edgewood Arsenal(A)	1.3 S	18	50h L5 S4	91,100 oct.No ben.CLSD.
Faybrook(Rock Hall)	1.5 NNW,bay W	20	14 S4	80 oct.Trees WNW, NNE
Glenburnie-Whipp	1 E,hwy W	56	26 S6	80 oct.Seaplane Anchor.
Hagerstown	4.2 N,RR W	700	39h L3 S4	80 oct.Fld lgts prior req.
Hickman(Ocean City)	7.5 NW, riv S	15	28 S4	80,91 oct.Data unver.
Lee Annapolis(Annapolis)	4.8 WSW, hwy E	30	28 S1	73 oct.Pole line ESE
Martin(Baltimore)	10 E,RR N	18	70h R1	PRIVATE.
(N) Patuxent River NAS(N)	2.9 NE Jarboes	38	97h R2 L6 S4	91,100 oct JP-1.NATS.
(A) Phillips(Aberdeen)(A)	3.2 S,RR W	57	50h R1 L5 S1	91,100 oct. CLOSED.
Pimlico (Baltimore)	6 NW,hwy SW	400	32 S6	80,91 oct.
(N) Piney Point (N)	0.8 WNW	10	14h S1	73 oct.Use rnwys only.
Rutherford(Baltimore)	7 W,RR W	500	23 S6	80 oct. Twr N.
Salisbury	5.3 ESE	52	50h	
Shady Side (NC)	1.8 SSW	10	15	Poleline SSW RR W
Stevens (Frederick)	5.8 N,hwy E	440	28 S6	80 oct.Trees SW,S,W.
Taneytown	2.9 WNW	500	20 S4	80 oct.Poleline S,SW,W
Webb (Easton)	2.5 E	50	26 S6	80 oct.No sto.Poleline
(N) Webster (Priest Point) (N)	1.5 W Ingoes	21	50h R1 S1	Ltd 100 oct. S,SE, JP-1 on req.

NEW JERSEY

Alexandria (Pittstown)	2 WNW,lk NE	340	18 S4	80 oct No sto.Trees NW
Buck's (Bridgeton)	3.7 NNE,RR S	100	18 S4	80 oct P-line S,W.
Greenwich	2.5 W,riv SW	30	21 S6	73,80 oct.Trees N.
Kroelinger(Vineland)	2.5 NNW,RR E	100	19 S6	80 oct.Poleline S,E.
(P) Millville	3.3 SW,lk N	68	50h L5 S6	80,91 oct.
Penns Grove	3 SE,riv W	10	22 S2	73 oct.Poleline W,SSW.
Salem	2 ESE,rd S	15	22 S6	80 oct.
Woodstown (Auburn)	1.5 SSE,RR E	100	20 S1	80 oct.Poleline N,NE.

PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE,RR NW	380	40h R1 L5 S6	80,91 oct.Use rnwys only.Fld lgts prior req.
Berks (Reading)	4.5 NW, hwy SW	360	23 S4	80,91 oct.Hill NW.
Bethlehem-Easton (Easton)	4.5 SW,riv S	360	23 S6	80,91 oct.No sto.Poleline sur fld.
Cargill (Granville)	1.5 SW,RR SE	490	23 S2	73 oct.Obsts sur fld.
Carlisle	1.8 WSW,RR N	480	23 S6	80 oct.
Centerville(Carlisle)	11.3 SW,RR N	660	23	Trees E, NE. (NC)
Chambersburg	1.2 SSE,RR SW	650	22 S6	80 oct.E, W strip rough
Coatesville	1.6 W,RR S	623	26 L1 S4	80 oct.Obsts sur fld.
Convair(Allentown)	3 SSW	399	40h	
Devener(Hanover)	2 NNE,hwy W	590	20 S6	73,80 oct.
Doersom(Gettysburg)	2.4 NW,RR N	590	19 S6	73 oct.Pwrline NE.
Estler(Mohrsville)	3.5 W,pond W	390	22 S6	Ltd 80 oct.Trees W.
Fogelsville	0.7 E,RR SE	460	22 S4	80 oct.No sto.P-line SW

PENNSYLVANIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gettysburg	2.8 NNW	600	24 S3	80 oct.No sto.RR SW
HARRISBURG STATE	3.5 S,RR N	344	40h R2 L5 S6	80,91,100 oct.
Hershey	1.1 NNW,RR S	415	21 S2	80, 91 oct.
Kutztown	1.5 S,RR SE	400	25 S4	73 oct.
Lancaster	1.5 NNW	320	26 S6	73,80 oct.Pwrline W,RR
Lancaster,35,CO-PG	5.5 N,hwy W	385	27h L4 S4	80 oct.Poles S,WSW. SW
Layfield(New Hanover)	2 NE,hwy W	320	17 S6	80 oct.Trees NE.
Lebanon Co.(Myerstown)	1.8 W;hwy S	525	17 S5	80 oct.
Lewistown	4 SW,riv SE	560	19 S6	80 oct.Wooded hill NW.
Madeira (Reading)	3.2 N,RR W	360	20 L S6	80 oct.Port flood lgts.
Mount Union	4 S,hwy E	560	30 S4	80 oct.
New Hanover	0.5 W,hwy SE	320	20 L S4	80 oct.Port flood lgts
(A) Olmsted(Middletown) (A)	1 W,RR N	300	50h R1 L5 S6	62-100 oct.JP-1.Poles N, NE, Riv. S.
Penn-Harris(Harrisburg)	4 ESE,RR N	400	18 L S6	80,91 oct.Flood lgts.
Philadelphia Main Line (Paoli)	2.8 WNW,hwy S	310	21 S4	No fuel.Pole line ESE.
Pottstown	4.5 E,hwy N	311	30 S6	80 oct.Bldg NW.
READING	3 NW,riv E	342	52h L1 S6	B-2 lgts prior req.
Reigel(Campbelltown)	1 N,hwy N	475	20 S4	80 oct.
Schuylkill(Pottsville)	8.3 ESE, lake SE	510	29 L S6	80 oct.Port rnwy lgts. Hills SW,E,NE.
Smilin' Jack (Douglassville)	1.3 NW,RR S	200	24 S4	80 oct.
Sunset Airways (Chambersburg)	3.5 NNE,rd E, S	650	25 S1	80 oct.Pole line E,NNW
Swatara Valley (Pine Grove)	4 WSW,RR N	460	21 S4	80 oct.
Taylor(New Kingston)	0.5 SE,hwy N	440	28 S6	80 oct.Pole line N.
Valley Arpk (York)	3 ENE,RR N	420	21 S6	80 oct.Poles SSE,NNW.
Waynesboro	3 SE,hwy N	700	20h S6	80 oct.
Womelsdorf	3 NW,hwy E	540	13 S1	73 oct.
York	8.3 WSW,RR E	500	19 L S6	73,80 oct.Floodlgts.Pole

VIRGINIA

Blue Ridge(Herndon)	4 WSW,hwy NE	280	30	Poleline E.
Central (Richmond)	2.5 ENE,RR W	172	45 S6	80 oct.Poles WNW,SE
(N) Chincoteague NAAS	4.5 WNW,hwy S	38	60h R2 L5 S4	100 oct. (N)
(N) Dahlgren NAF Proving Grounds (N)	0.5 E	20	40h R1 L5 S2	100 oct. CLOSED.
Garcum (NC)	0.2 NW	85	35	Poles,trees sur fld
Hermitage(Richmond)	3.2 NNW,RR W	200	20 S6	80 oct.Trees,poles E,W
Hummel (Greys Pt.)	3 NE Harmony	30	21	Obsts sur fld. (NC)
Kellam(Weirwood)	0.3 SW,RR E	15	20 S1	73 oct.Trees NE,SE
Leesburg Airpark	0.7 ESE	260	26 S6	80 oct.Poleline NE.
* Lively Int,6,NW-WA	3.4 WSW,riv W	15	34 L3	35'trees,bldgs NW
Manassas	2.7 NW,RR S	250	21	Pole line SW,SSE
Melfa Flgt Strip	1.3 W	48	70h	
Midway (Chester)	2 E,hwy S	178	26 S2	80 oct.20-50' trees E
* Milford Int,49B,AG-LG	1.5 S,RR W	134	26 L3	40'trees S,NE,SW.
Northfield(Richmond)	3 N,hwy W	197	20 S4	80 oct.
Parksley	0.6 WNW	25	18 S4	80 oct.
(A) RICHMOND AAB(A)	7.3 ESE,RR S	160	50h R3 L5 S4	73,100 oct.
Shannon(Fredericksburg)	1.6 SSE,riv E	50	23 S6	80 oct.
Tappahannock Flgt Strip	0.8 W	30	40h	8000' strip avail.
West Point	2.3 ESE	24	50h S4	80,91 oct.Riv SSW.
Zieger(Warrenton)	3.7 S,hwy NE	440	20 S2	80 oct.Hill W, NW.

WEST VIRGINIA

(P) Martinsburg	4 S,hwy W	550	50h R1 L5 S6	80, 91,100 oct.
North End (Martinsburg)	2.5 NNE,RR W	515	28 S2	80 oct.Pole line N.
→ Currell's (Weems,Va)	1 N,jct of rivs		17 S1	80 oct.P-line SE.Use strips only.Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted). → New or revised data.

RADIO

DIST. OF COLUMBIA

LOCATION	FREQ.,IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANACOSTIA NAS (Washington)	251(142.74)	CN	(3);142.74(7-sunset and on req.)
BOLLING FIELD (Washington)	219(126.18) (128.16)	CA	(3);126.18,128.16
WASHINGTON Washington Nat'l Arpt.	332(WA)(116.1) 278(126.18) (118.5)	SBRAZ-VDTX AC(ILS);25°,0.9	(3);116.1 (4);118.5,126.18,131.9

MARYLAND

ANDREWS FLD (Camp Springs)	317(126.18)	CA	(3);126.18 (GCA)
BELTSVILLE FM	(-)	FM, 41°,17.6	Washington, D. C.
DONCASTER FM	(. . . - - -)	FM, 209°,24.7	Washington, D. C.

PENNSYLVANIA

BOOTHWYN FM	(- - -)	FM, 250°,9.5	Philadelphia
HOLMESBURG LFM	(- - -)	LFM, 238°,6.5	NE Philadelphia
JOHNSVILLE AIRPORT	203 (142.74)	CN	3105 cont,4495,6210;116.1,126.18, 140.58,142.74 on req (8-1/2 hr past sunset)
MUSTIN NAAF (Philadelphia)	251(126.18) (142.74).	CN	(3);126.18,142.74 (7-sunset,other hrs req on request.)
PHILADELPHIA (SW Arpt)	266(PG)(116.1)	SBMRAZ-VDT;97°,3	(4); 116.1
Philadelphia NE Arpt	278	CI	(4)
→ Philadelphia SW Arpt	278 (110.1)	CI	(4);118.1
NE Philadelphia Range (Phil. NE Arpt)	371 (NP)	MLWZ-DT,238°,2.8	
WILLOW GROVE (Navy)	392 (NXX)	MRL2	(3); 142.74
Willow Grove NAS	356 (142.74)	CN; 210°,3.35	(3);142.74 (days only except on 1 hr advance notice)
WINGS FIELD (Ambler)	278	CI	3105 (9-17)

VIRGINIA

ALEXANDRIA LFM	(- - -)	LFM,209°,2.4	Washington, D. C.
HERNDON FM	(- - - -)	FM, 317°,71.8	Washington, D. C.
MOUNT VERNON	236 (W)	FMK, 209°,8.2	Washington, D. C.
MOUNT VERNON FM	(. . - - -)	FM, 209°,8.2	Washington, D. C.
QUANTICO (Navy)	203 (NYG)	MRL2	3105, 4495
Quantico MCAS	3295(142.74)	CN; 200°,4.6	(3); 142.74

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE. (PLUS COMPASS LOCATORS)			
WASHINGTON, D. C.	109.9	333.8	360° Mag.	IM ·····(.03)	MM	OM	- - (3.50)
					MMK	OMK	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

DIST. OF COLUMBIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Anacostia NAS(Washington)	2.4SE Monument	8	60h R1 L5 S4	100 oct. No ben. (N)
(A) Bolling(Washington)(A)	3 SSE Monument	20	60h R1 L5 S6	73,100 oct.JP-1.Ridge E.
(A,N) WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct.JP-1 req. Rdo rec. req.730'Rdo Twr,6.2 NW. FOREIGN CLEARING STA.

MARYLAND

(A) Andrews (Camp Spring)(A)	1.5 E	279	55h R1 L5 S4	80,100 oct. JP-1
(N) Beltsville OLF (N)	5 ESE	180	40h	CLOSED.
Capital (Berwyn)	2 NW; RR E	70	20 S4	80 oct. Pole line S.
College Park	8.5 NE of D.C	50	22 S6	80 oct. Hill SE. RR NW.
Columbia Air Ctr (Creom)	3 E; RR W	40	20	Trees N,NNW
Congressional (Rockville)	2 SSE;hwy E	450	32 S6	80 oct. Pole line E,NE.
Curtis (Brandywine)(NC)	5 SSW;RR E	200	18	Pole line N,W.
Erco (Riverdale)	0.4 NE; RR W	50	38 S1	80 oct. Trees E,NE,SW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII);(NC)-Not charted. → NEW OR REVISED DATA

MARYLAND

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(A) Ft. Meade (A)	0.5 NE ctr res	180	20h	
Hyde (Clinton)	2 WSW	249	32h S6	80,91 oct. Trees WNW,NE.
Maryland (Pomonkey)	0.2 S; RR S	170	30 S1	80 oct.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct.
Schrom (Greenbelt)	0.3 SW; hwy W	177	27h S6	80 oct. Trees NW,SE.

NEW JERSEY

Almonesson	0.6 NNW	50	18 S6	73 oct. Pole line NNE,SSE.
Bridgeport	0.8 ESE; RR N	23	18 S4	80 oct.
Burlington Airpark	1.7 NE		24 S4	80 oct. No sto.Data unverified.
Central (Camden)	1.8 E;riv S,W	20	25h	Open to private flying.
Echelon (Ashland)	0.5 SE;RR W	100	27 S6	80,91 oct. Pole line NW.
MARLTON-MEDFORD INC (Marlton)	1.5 ENE	80	30 S2	80 oct.
Mercer County,new (Trenton)	5 NW; RR SE	211	40h	
Mercer County, old (Trenton)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Merrill (Barrington)	1 ESE; RR E	70	35 S6	80 oct.No sto.Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 S4	80 oct. Trees N.
Pitman	1.6 NNW;RR E	100	17 S6	80 oct. Pole line S,SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2	80 oct. Pole line SW.

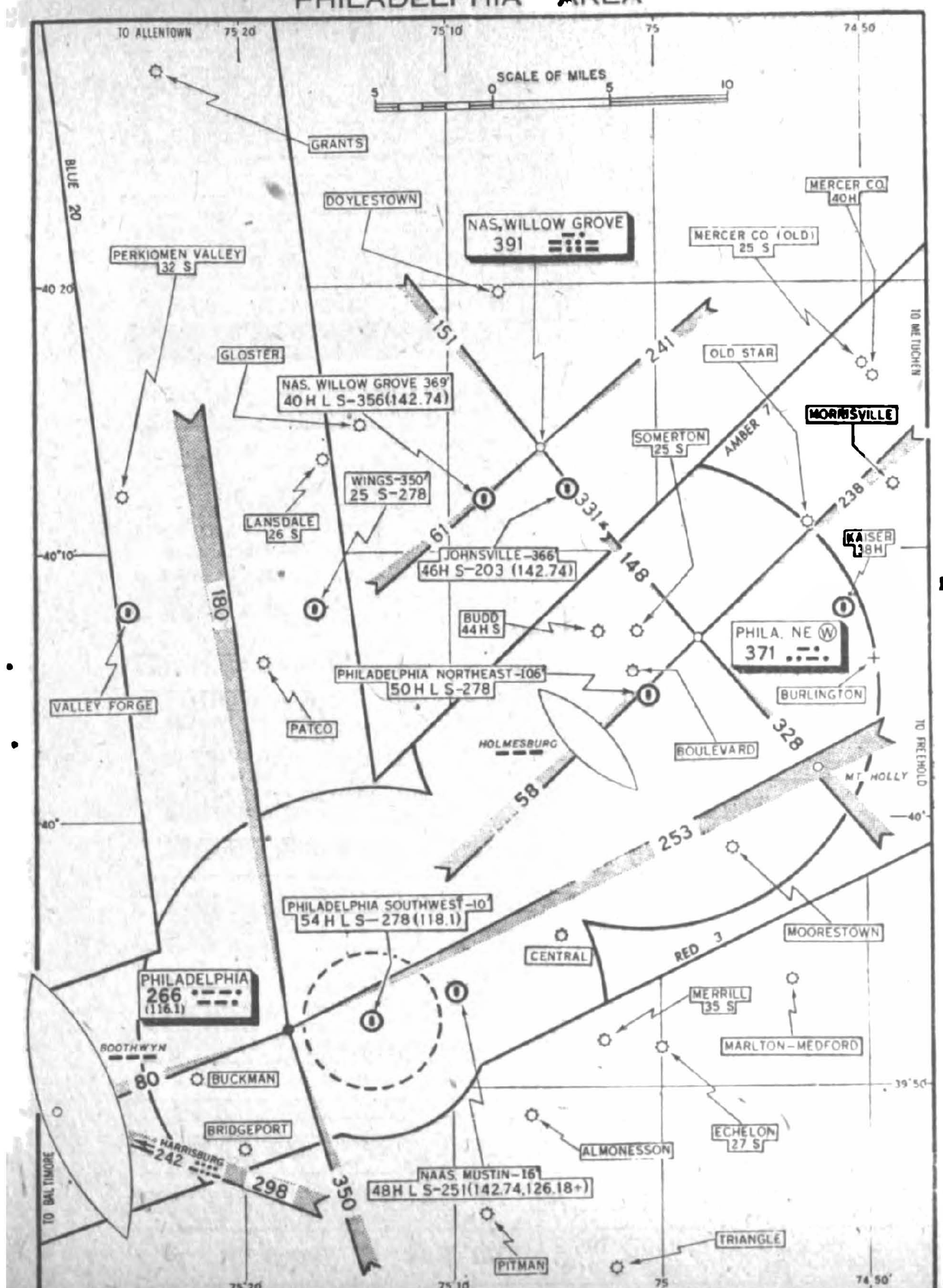
PENNSYLVANIA

Boulevard (Philadelphia)	12 NE; RR SW	160	22 S4	80 oct. Obst sur fld.
Buckman (Chester)	2.3 WSW;RR NW	90	20 S4	80 oct. No sto.
Budd (Philadelphia)	12.5 NE;RR N	240	44h	
Doylestown	1.5 NNE;RR SW	400	22 S6	80 oct.
Gloster (Montgomeryville)	0.7 SE;hwy W	460	22 S1	80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW; hwy E	600	18 S6	80 oct.
(N) Johnsville	0.8 NW; RR E	366	46h R1 S4	91,100 oct. Res't to Navy.
(N) Kaiser (Bristol)	2 N; riv SE	35	38h	Pole line SW. RESTRICTED.
Lansdale	1.6 ESE;hwy SE	450	26 S6	80,91 oct. No sto. Poles NE.
Morrisville	1.6 W;riv E	180	28 S4	80 oct.
(N) Mustin NAAS (Philadelphia)	4 S; riv S	16	48h R1 L5 S6	100 oct. Pole line NE.NAFC.(N)
Old Star (Langhorne)	3.4 E; RR N	180	24 S5	80 oct.No sto. Poles N,S.
Patco (Norristown)	2.5 SE;bet RRs	200	19 S6	80,90 oct. No sto
Perkiomen (Collegeville)	1.5 NE;rds NE	280	32 S6	80 oct. Obsts sur fld.
(F) Philadelphia Northeast	12.2 NE;hwy W	106	50h R2 L5 S1	80,91 oct.Rdo req.
" SOUTHWEST	6.5 SW;riv SW	10	54h R2 L5 S6	82,91 oct. Rdo rec req.
Somerton (Philadelphia)	14 NE;RR N,E	200	25 S6	80 oct. Poles N,E,W.
Valley Forge (Norristown)	4 WNW;riv NW,SE	250	24 S6	80 oct.
(N) Willow Grove NAS (N)	4 NNW; hwy E	369	40h R2 L5 S4	91,100 oct. No sto.NAFC.NATS.
Wings (Ambler)	3 WSW;rds E,W	350	25 R1 S6	80,91 oct. Trees N,S.

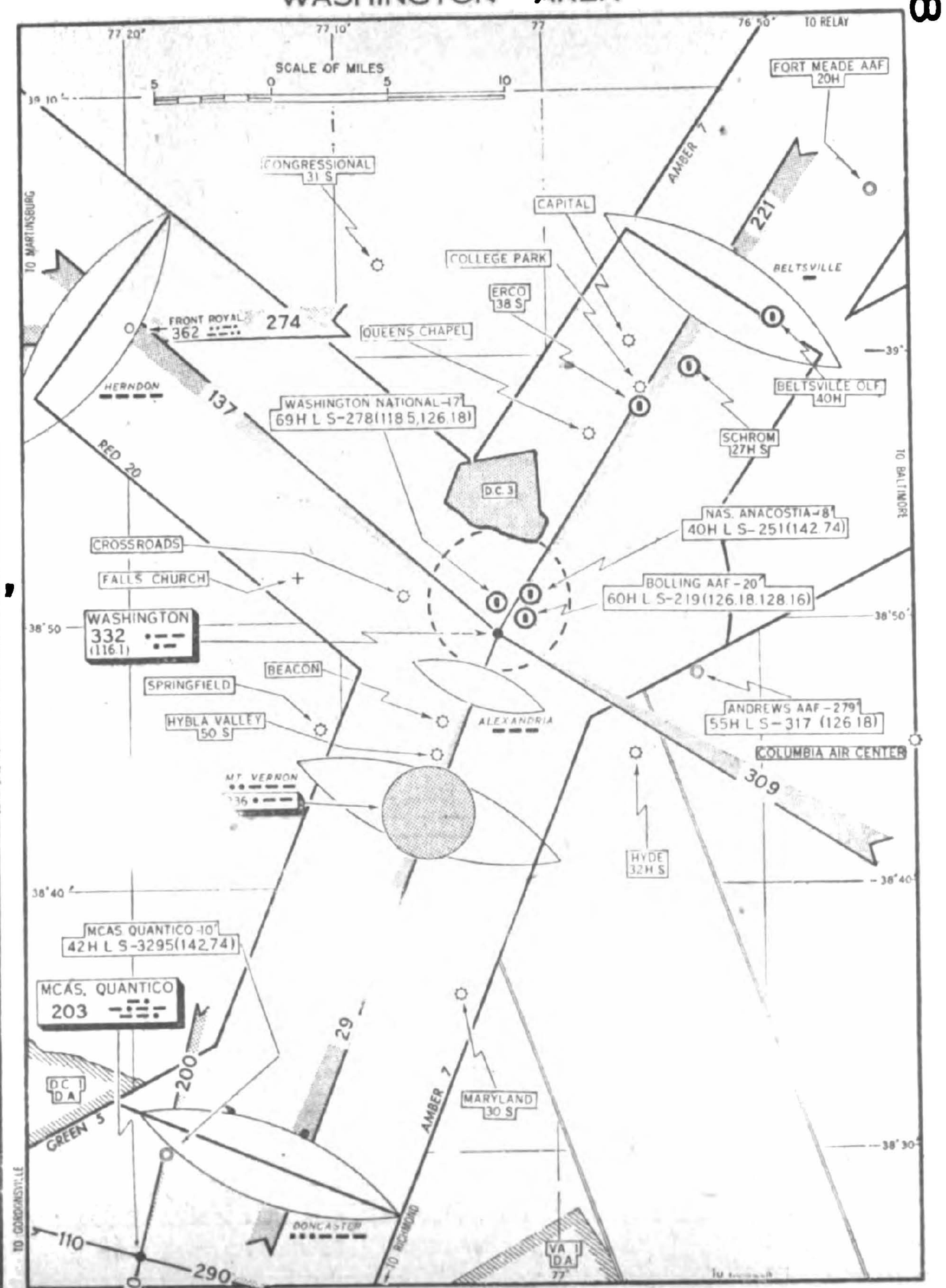
VIRGINIA

Beacon (Alexandria)	3 SSW;hwy E	240	24 L1 S6	80 oct.No sto. Pole line S.
Crossroads (Alexandria)	4.5 NW;RR E	250	20 S1	Ltd 80 oct.
Falls Church Airpark	1.9 SW	350	26 S6	No sto. Data not verified.
Hytla Valley (Alexandria)	4.5 SSW;hwy E	66	50 S6	80 oct. Trees,pole lines sur fld.
(N) Quantico MCAS (N)	1.2 SSW;RR W	10	42h R2 L5 S6	73,91,100 oct. NATS.
Springfield (Annandale)	3.5 SSE;RR E,N	240	20 S4	80 oct. No sto. Obsts sur fld.

PHILADELPHIA AREA



WASHINGTON AREA

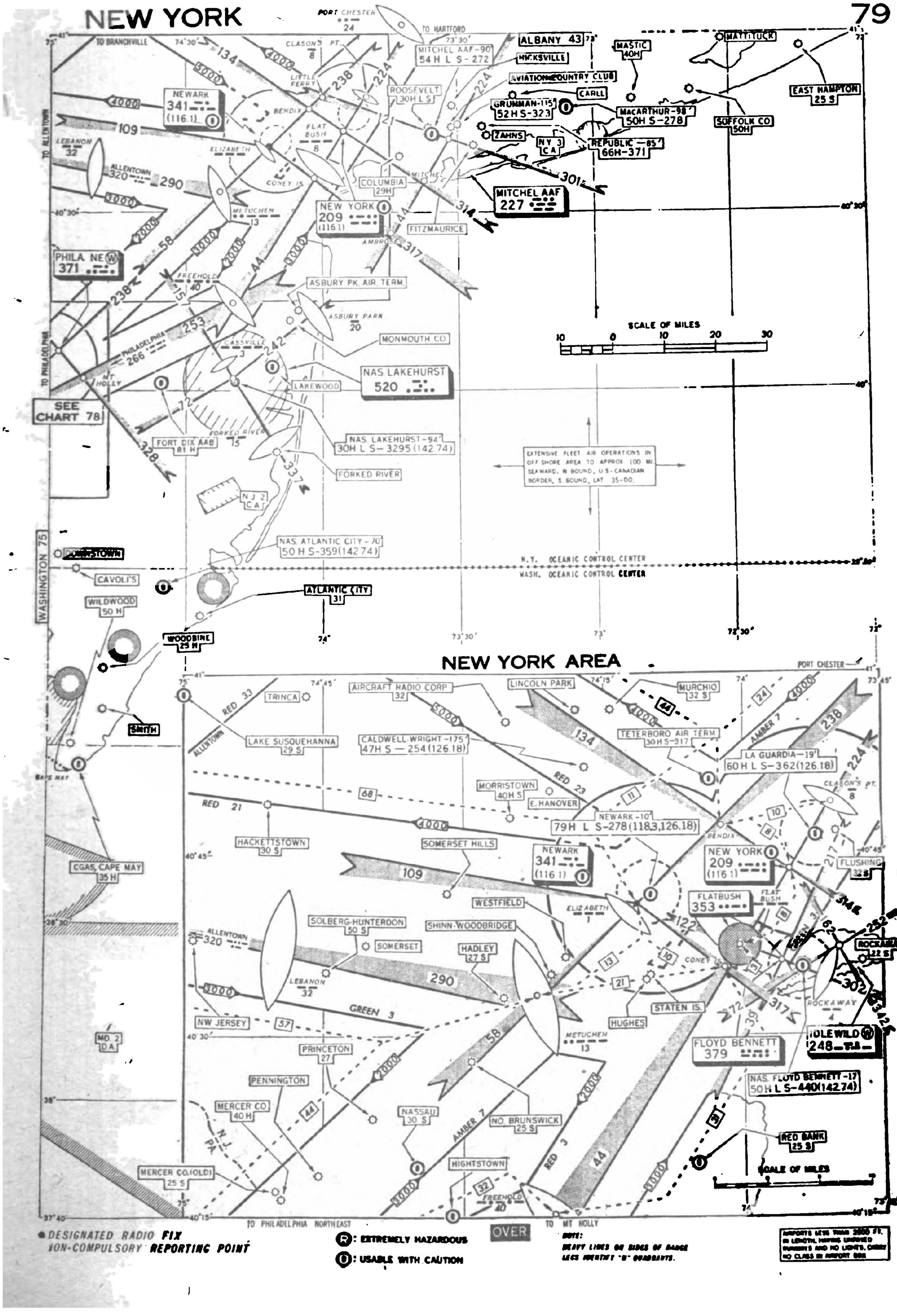


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

(R) EXTREMELY HAZARDOUS
(0): USABLE WITH CAUTION

OVER

NEW YORK



● DESIGNATED RADIO FIX
VON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓓ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS INDICATE "B" QUADRANTS.

AIRPORTS LESS THAN 2000 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT DIR.

RADIO — NEW JERSEY

LOCATION	FREQ.IDENT	STA. CLASS, BEAR. & DIST.	FREQS.GUARD HRS. OF OPER., REMARKS
ASBURY PARK FM	(-)	FM, 62°,20	Lakehurst NAS
ATLANTIC CITY NAS	359 (142.74)	CN	(3); 142.74(8-Sunset)
CALDWELL-WRIGHT	254 (126.18)	CI	(4);126.18(8:30-sunset,Mon.-Sat.9-sunset Sun.)
CASSVILLE FM(Navy)	(- - - -)	FM,337o,3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°,1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM,157°, 15	Lakehurst NAS
FREEHOLD FM	(- - - -)	FM,224°, 40	New York, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295(142.74)	ON, 157°, 0.7	(3), 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
METUCHEN FM	(. . - - -)	FM, 238°, 13	Newark
NEWARK	341(NK)(116.1)	SBRAZ-VDT	(3);116.1
Newark Airport	278 (126.18) (118.3)	AC (ILS); 58°,0.9	(4);131.9,126.18
TETERBORO (Bendix)	317	CI	3105,6210,3117.5 (7-22)

NEW YORK

CLASON'S POINT LFM	(-)	LFM, 44°, 7.5	New York
FLATBUSH	353 (F)	FMK, 224o,8.3	New York
FLATBUSH FM	(- - -)	FM,224°, 8.3	New York
FLOYD BENNETT (New York)	379 (FB)	SBMRLZ-DT	(3)
Floyd Bennett Fld NAS	338 (142.74)	CN, 122°, 1.9	(3);142.74(8-17)
GRUMMAN (Bethpage L. I.)	323	CI	(8-1630,Mon.-Fri.)
IDLEWILD	248 (NY)	SMRLW,72°,2.3	
LA GUARDIA(N.Y.)	362 (126.18)	AC (ILS),	(4),126.18,AAL,EAL,TWA,UAL,PCA,CAL)
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 week days,ngt & Sun.if important)
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAPZ-DT	(3)
Mitchel Field	272	CA (ILS),301°,3.2	(3),
NEW YORK (La Guardia)	209 (LG) (116.1)	SBMRAPZ-VDTX; 44°,3.4	(3), 116.1
PORT CHESTER FM	(. . -)	FM, 44°, 24	New York
REPUBLIC FIELD (Farmingdale)	371	CI	(3) (days)
ROCKAWAY PARK LFM	(- -)	LFM, 122°, 5	Floyd Bennett

PENNSYLVANIA

PHILADELPHIA NORTHEAST	371 (NF)	MLWZ-DT, 238°,2.8	

INSTRUMENT LANDING SYSTEMS *Localizer and G.P. in mcs. Compass Locators in mcs.*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLES COMPASS LOCATORS)			
LA GUARDIA, NEW YORK	109.9		44°Mag	IM (.05)	MM (.81)	OM (3.40)	
					MMK 233 --- (.81)	OMK	
MITCHEL, NEW YORK	110.3	335	300°Mag	IM (.06)	MM ..... (.81)	OM -- (4.03)	
					MMK 257 -- (.81)	OMK 201 --- (4.03)	
NEWARK, N.J.	109.5	332.6	58°Mag	IM	MM (.59)	OM (3.8)	
					MMK 201 --- (.59)	OMK 219 -- (3.8)	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.;(4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aero-Marine Terminal (Keyport)(NC)	1 NE;RR S	10	15	Bldg SW.Hwy S
Acft. Radio Corporation (Beonton)	2.6 N;riv S	550	32	Poles N,E. PRIVATE.

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Asbury Park Air Terminal	4.5 W;rd N	100	21 S4	80 oct.125'tank E.
Atlantic City	1.3 WSW;RR N	11	31 S2	350'tank E,lgtd.No fuel.
(N)Atlantic City NAS(N)	10 NW;RR NE	70	50h R1 L5 S4	91,100 oct.Lgts prior req.
Caldwell-Wright	2.4 N;riv N	175	47h R1 L1 S1	Rest'd factory oper
CG Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED.
Cavoli's(Richland)	1.5 W;RR N,E	100	20 S4	80 oct.Poleline NNE No sto.
(N)Clarke(Ocean City)	2.8 SW;RR SE	8	23	Naval tow target practice.
Coyle (Chatsworth)	6 ESE;hwy NE	190	18	(NC)
Downstown(Landisv'l)	1.8 WNW;RR S	120	23 S1	80 oct.Poleline N.
Forked River	1 ESE,riv S	12	18 S4	80 oct.Rnwy data not verified.
(A)Ft.Dix AAB (Wrightstown) (A)	1 SE	120	81h	INACTIVE.
Hackettstown	2 SSW;RR N	560	30 S2	73, 80 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80 oct.
Hightstown & Air Svc.	1.3 SW;RR W	110	19 S6	80 oct.
(N)Lakehurst NAS (LTA)	1 NNW;riv N	94	38h R2 L5 S4	91, 100 oct. (N)
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Poleline SE, N.
Mercer Co.(Trenton) (new)	5 NW;RR SE	211	40h	
Mercer Co.(Trenton) (old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co.(Belmar)	5.5 W;rd E	180	30 S5	80 oct.
Morristown	3 E;RR N	187	40h L5 S4	80 oct.No sto.
Murchio (Paterson)	4.5 WNW;rd N	350	32 S4	80 oct.Trees N.
Nassau Arpk.(Clarksville)	1 NE;RR SE	80	30 S4	80 oct.Pwrline SSE
(A)NEWARK	3.5 SSE;RR E	10	79h R3 L5 S1	80,91,100 oct.JP-1.No sto,2-way rdo req.FE
North Brunswick	2 SW;RR E	120	25 S2	No fuel.Poles ENE,
Northwest Jersey (Clinton)	3.5 W,RR S	380	19	Poles N,S. ESE.
Ocean Co.(Adamston) (NC)	1 SW;riv N	14	21	Obsts sur fld.
Pennington	2 ESE;RR W	230	20 S6	80 oct.No sto.Pole line ESE.
Princeton	3 N,riv E	160	27	Poleline E,ESE.
Red Bank	1 S,RR E	80	25 S6	80,91 oct.Poleline W
Shinn-Woodbridge (Woodbridge)	3.9 NW,RR E	120	21 L S4	73,80 oct.Poleline SE.
Smith C.H.(Cape May)	2.2 NE,RR W	20	19	Pole line WNW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	50 L S6	80, 91 oct. Unverified.
Somerset Hills (Basking Ridge)	1.6 SE,RR S	250	24 S6	80 oct.Pole line W.
→Teterboro-Air Terminal (Bendix)	0.5 SW;RR NW	5	30h R1 L4 S1	80 oct.No bndry lgts.
Trenton (NC)	6 NE;RR I SE	70	15	Rest'd to USFS.
Trinca (Andover)	2 WSW;RR E	600	24 S6	73 oct.
Westfield (Rahway)	2 W;lake N	100	24 S4	80 oct.No sto. Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h	Obsts S.
(P)Woodbine	2 SE	39	25h	Trees sur fld. At jct RRs.

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bender-Brentwood (Brentwood) (NC)	1 ENE;RR N	85	10	
Columbia (Valley Stream)	1 SW;RR N	15	29h	
Davis Flight Strip (Bayport) (NC)	1.3 NNW;RR S	40	22	
Deer Park (NC)	0.8 ESE,RR N	75	10	Trees adj E.Pole line W.
Donovan Hughes (Greenridge)	1 N;crks S,W	10	17 S1	80 oct.
East Hampton	2.5 W;RR S	40	25 S4	80 oct.No sto.
Fitzmaurice (Massapequa)	1.5 ENE;RR S	36	14 S6	80 oct.No sto.Trees N,S.
(N)Floyd Bennett NAS (New York) (N)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto. No bcn.
Flushing	1.5 NNW;pkwy E	4	32 L S4	80 oct.Pole line W, SW. Portable rnwy lgts prior req
Grumman (Bethpage)	0.5 W;RR NE	115	54h R1 S5	91, 100 oct.Poles SW, SE.
Hicksville Airpark	2.4 N;RR E	190	20 S4	80 oct.Rnwy data unver.
(A,N) LA GUARDIA (New York)	5 E;riv N	19	60h R3 L6 S1	73,100 oct.Rdo rcv req. PIB.
(P)MacArthur (Islip)	8 NE;RRs N,S	98	50h R1 L5 S1	91 oct.All lgts prior req.Rdo req
Mastic Flight Strip	2.6 NW	66	40h	
Mattituck	0.8 ESE,bay S	12	25 S6	80,91 oct.Poles N.
(A)Mitchel(Hempstead)(A)	0.5 NE;RR N	90	54h R3 L6 S6	73,91,100 oct.JP-1. Foreign Clearing Station.
Nassau (Hempstead)	4.5 E;hwy N	80	21	
Republic (Farmingdale)	1.3 ENE;RR N	85	66h R1 L5	NE blocked.Closed ngts,trans.PRIV.
Richmond Co.(Travis) (NC)	0.5 SW,riv W	10	24	160' chimney SW.
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct.Pwr line S, SE.Port rnwy lgts.
Roosevelt (Mineola)	1.6 ESE,RR N	90	30h L3 S5	80,91,100 oct. Wires NE.
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S;rd W	40	22 S4	80 oct.Poleline SW
Suffolk Co. (Westhampton Beach)	2.6 N	69	50h	
Zahns(Amityville)	2.5 NNE;RR NE	80	22 S6	80 oct.Pole line SW.
Somerset (Somerville) N.J.	4.6 NW;RR SE	105	20 S5	80,91 oct.Trees W.
East Hanover (N.J.)	1 N	170	15 S2	80 oct Poleline W.
Carll Skyport (Commack,N.Y.)	1 S,RR N,S	140	24 S1	80 oct Trees S,SE
Lakewood,(N.J.)	2.5 SE;lk NW		26 S4	80,91 oct. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. →← NEW OR REVISED DATA.

RADIO CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BANNING FM	(-)	FM, 76°, 25	Riverside
CASTAIC FM	(- - - -)	FM, 322°, 41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT(San Bernardino Co.	365 (DG)(116.1)	SBRAZ-VDT,149°, 0	(4); 116.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM,324°, 16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°, 42	Bakersfield
LINDBERGH FLD (San Diego)	278 (126.18) (118.3)	AC	(4);126.18,118.3,131.9
LONG BEACH	233(HB)(116.1)	SBMRLZ-VDT,298°,3.9	(3);116.1
LOS ANGELES	260 (LA)	SBRAZ-DTX,244°, 3.8	(3)
→ MARCH FIELD (Riverside)	201 (126.18)	CA	(3);126.18
MIRAMAR MCAS (San Diego)	3295(142.74)	CN	(3); 142.74 (GCA)
MOJAVE NAS	3295(126.18) (142.74)	CN	(3);126.18,142.74
MT. LAGUNA	254 (TN)(116.1)	MHVT	(4); 116.1
MUROC (Army) Muroc AAF	350 (DUC) 219 (126.18)	MRL CA; 64°, 2.2	(3); 126.18
NEWHALL (Int.)	209 (NH)(116.1)	BMRL-VDT,317°,0.1	(4); 116.1
OCEANSIDE	326(OC)(116.1)	MHVT	(4);116.1
OCEANSIDE FM	(- - - -)	FM, 325°, 34	San Diego
PALMDALE	332 (PA)(116.1)	SBMRAZ-VDT,216°,2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105,142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Fld)	388 (RV)(116.1)	SBMRAZ-VDT,128°,2.9	(4); 116.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
San Clemente Island NAAS	3295(142.74)	CN,	3105;4495;142.74
SAN DIEGO (Lindbergh Fld)	224 (SQ)(116.1)	SBRAZ-VDT,139°,2.3	(3); 116.1
San Diego NAS	266 (142.74)	CN	(3);126.18,142.74(GCA)
San Diego NAS (Seapl.)	2870	CN	
TRONA (Int.)	323 (EW)	SBMRAZ-DT,349°,11	(4) Not manned cont.
VICTORVILLE AAF	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ MARCH, CALIF.		DECOMMISSIONED				

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs. **Parenthetical Numbers in the Frequency Column Indicate VHF on which** Voice is Available.

AIRPORTS CALIFORNIA

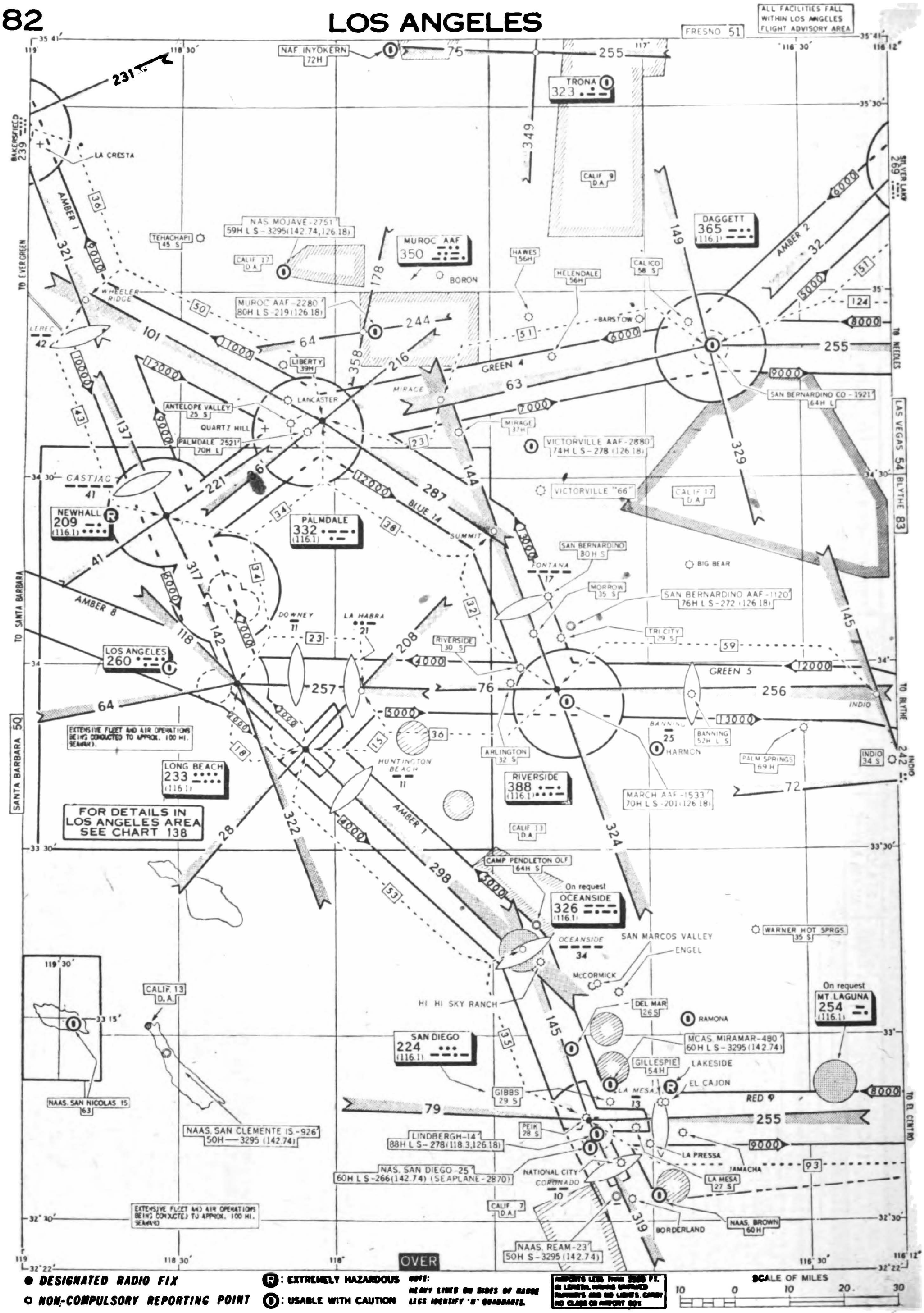
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S;hwy E	2470	25 L S2	Ltd 73 oct. Port rnwy lgts.
Arlington (Riverside)	4.5 WSW;RR W	765	32 S6	80 oct. No sto.
→ Bakersfield Kern Co.#2 (Bakersfield) (NC)				ABANDONED
(P) Banning	1 SE;RR N	2190	52h L5 S5	80,91 oct. No sto.
Barnes (Rosamond)(NC)	12 E;rd N	2300	38	
Barstow	1.8 N;hwy S	2150	24 S6	80 oct.
Big Bear City	0.5 NW;hwy S	6850	24	
Borderland(San Ysidro)	1.5 WNW;RR W	80	19 S6	80,91 oct. Pole line SE.
Boron	0.5 NE;RR S	2550	21 S1	80 oct,Poles E. Data not verified
(N) Brown NAAS (Otay)(N)	5.5 ESE	512	60h	INACTIVE.
Buffalo Springs (Avalon)	7 NW	1560	35	On Catalina Island. PRIVATE (NC)
Calico (Yermo)	2.5 WNW;hwy S	1921	53 S1	73 oct. Mtns N.

AIRPORTS CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Camp Pendleton OLF (Oceanside)(N)	5 NNE;RR SE	75	64h L S1	NATS.
(N) Castle OLF(San Clemente Island)	On NW end San Clemente Isl.	163	20	(NC)(N)
(N) Clark's Dry Lake OLF	25 W of	450	50	On W portion Dry Lake.
→ (Salton Sea)(N)(NC)	center	630		
Del Mar	1.1 NNE	11	26 S1	80,91 oct.1000' paved rnwy.Unver.
→ Engel (Escondido)	1.5 W;RR N		19 S4	73, 91 oct.No sto.Trees SE;hill NW.
Gibbs (San Diego)	7 NNE;hwy W	405	29 S4	87 oct.No sto, Poles E, NE.
Gillespie (Santee)	1 SSW;rd E	385	54h	Towers W.
Hawes (Victorville)	27.5 N;RR N	2319	56h	
Helendale (Victorville)	20 N	2508	56h	
(N) Inyokern NAF (N)	0.5 WNW;RR E	2455	72h	INACTIVE.
Jamacha (La Mesa)	6.8 ESE;riv N	520	24 S1	80 oct.
La Cresta(Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data not verified.
→ Lakeside				ABANDONED
La Mesa	2 WSW;hwy N	500	27 S4	80 oct.Pole line SSE.
Lancaster	0.5 NW;RR E	2330	22 S4	73 oct.No sto.Poles E,S.
La Pressa (La Mesa)	4 S;hwy W	275	19 S4	80 oct.
Liberty (Rosamond)	4.1 S;RR E	2300	39h	
(A) LINDBERGH (San Diego)	2 W	14	88h R2 L5 S6	80,91 oct. Rdo req. ARPT OP ENTRY
(A) → March (Riverside)(A)	8.8 SE;RR SSW	1533	70h R2 L5 S6	62,73,91,100 oct.JP-1.FOREIGN CLEARING STATION.
McCormick (San Marcos)	1.5 WSW;RR NE	530	22 S4	80,91 oct.
Mirage (Victorville)	18 WNW;rd S	2865	37h	
(N) Miramar MCAS (San Diego)	9.5 N	480	60h R1 L5 S4	91,100 oct. No bcn. (N)
(N) Miramar OLF (San Diego)	1 N Miramar	470	25	Hwy SE. (N) (NC)
(N) Mojave NAS (N)	0.7 E;hwy W	2751	59h R1 L5 S6	91,100 oct. No sto.
Morrow (Rialto)	1.8 S;RR N	1100	35 S5	80,91 oct.Pwr line W.
(A) Muroc AAF (A)	2 S;dry lk N	2280	70h R2 L5 S6	73,91,100 oct.JP-1.No sto.CLOSED.
National City	1.1 SSE;RR W	10	22 S4	80 oct.Poles,stack NW.
(P) Palmdale	3 NE;RR W	2521	70h R1 L5 S2	91,100 oct.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct.No sto.Twr SE.
Quartz Hill (Lancaster)	6.5 SW	2450	29 L S1	80,91 oct.Port rnwy lgts.Data unverif.
Ramona	0.6 WNW;rd NE	1440	15 S1	80 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro)	3.2 W	23	50h R1 L S4	100 oct. No sto. (N)
Riverside	2.3 WNW;riv SE	760	30 S4	80 oct.No sto.
(N) Rosedale OLF (San Diego)	6 N;RR W	400	15	(N) (NC)
Ryan (Hemet) (NC)	2.5 WSW;RR SE	1502	23	
→ Ryan #1 (Hemet) (NC)				ABANDONED
→ San Bernardino	4.7 NNW;RR W	1425	30h L S6	Port rnwy lgts on req.Rnwy data unverified.
(A) San Bernardino AAF(A)	3.5 ESE;RR SW	1120	76h R1 L5 S6	62,73,91,100 oct. JP-1.
San Bernardino Co. (Daggett)	5 E;RR S	1921	64h R1 L3	
(N) San Clemente Island NAAS (N)	8 S of N end	926	50h R1	INACTIVE.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1 L5 S6	91,100 oct. NAPC
(N) San Nicolas Island NAAS (N)	On E end Isl.	502	63	INACTIVE.
Tehachapi	1 N;RR S	3952	45 L S2	73,91 oct.Range lgts. Pole line SE
Tri-City (San Bernardino)	3.3 SSE;RR S	1015	29 L S4	91,80 oct.Poles SE, W. Port rnwy lgts.Poles SE,W.
(A) Victorville AAF (A)	6 NW;RR E	2880	74h R1 L5 S5	100 oct.
Warner Hot Springs	3 W;hwy NE	3140	35 S1	Ltd 80 oct. Trees E, S.
(N) PALM SPRINGS	2.5 E; RR NE	448	69h L5	
Indio	0.8 NNE;RR SW	-12	34 S4	80 oct. No sto. Pwr line W.
El Cajon	2.5 N;hwy W	450	23 S6	80,91 oct.No sto.
Harmon (San Jacinto)	1.4 SW	1600	23 S6	80 oct.No sto.
Victorville "66"	5.2 SSW;RR E	3225	32 S4	80 oct.No sto.
→ Hi Hi Sky Ranch (Oceanside)	1.5 ENE;RR S	48	18 S6	80,91 oct.No sto. Trees NE,SW
→ San Marcos Valley (San Marcos)	1 W;RR,hwy S	530	19 S4	80 oct.No sto.Hill NE

L-Hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

LOS ANGELES


ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA
FRESNO 51
NAF INYOKERN 72H
TRONA 323
CALIF 9 D A
DAGGETT 365
BAKERSFIELD 239
LA CRESTA
TEHACHAPI 45 S
NAS MOJAVE-2751 59H L S-3295(142 74,126 18)
CALIF 17 D A
MUROC AAF 350
BORON
HAWES 56H
HELENDALE 56H
CALICO 58 S
MUROC AAF-2280 80H L S-219(126 18)
WHEELER RIDGE
LEBEC 42
LIBERTY 39H
LANCASTER
ANTELOPE VALLEY 25 S
QUARTZ HILL
PALMDALE 2521 70H L
MIRAGE
MIRAGE 37H
VICTORVILLE AAF-2880 74H L S-278 (126 18)
VICTORVILLE "66"
CALIF 17 D A
BARSTOW
GREEN 4
SAN BERNARDINO CO-1921 64H L
SILVER LAKE 269
CASTIAC 41
NEWHALL 209 (116.1)
PALMDALE 332 (116.1)
BLUE 14
SUMMIT
SAN BERNARDINO 80H S
FONTANA 17
BIG BEAR
MORROW 35 S
SAN BERNARDINO AAF-1120 76H L S-272 (126 18)
TRI CITY 29 S
AMBER 8
AMBER 1
AMBER 2
LOS ANGELES 260
DOWNEY 11
LA HABRA 21
RIVERSIDE 30 S
GREEN 5
INDIO
BANNING 25
BANNING 52H L S
HARMON
PALM SPRINGS 69 H
INDIO 34 S
ARLINGTON 32 S
HUNTINGTON BEACH 11
RIVERSIDE 388 (116.1)
MARCH AAF-1533 70H L S-201(126 18)
CALIF 13 D A
CAMP PENDLETON OLF 64H S
On request
OCEANSIDE 326 (116.1)
OCEANSIDE 34
SAN MARCOS VALLEY
ENGEL
McCORMICK
WARNER HOT SPRGS 35 S
HI HI SKY RANCH
DEL MAR 26 S
RAMONA
On request
MT. LAGUNA 254 (116.1)
SAN DIEGO 224 (116.1)
MCAS MIRAMAR-480 60H L S-3295(142.74)
GILLESPIE 54H
LAKESIDE
EL CAJON
LA MESA 13
RED 9
GIBBS 29 S
LINDBERGH-14 88H L S-278(118.3,126.18)
PEIK 28 S
LA PRESSA
JAMACHA
NAS. SAN DIEGO-25 60H L S-266(142.74) (SEAPLANE-2870)
NATIONAL CITY
CORONADO 10
LA MESA 27 S
CALIF 7 D A
BORDERLAND
NAAS. BROWN 60 H
NAAS. REAM-23 50H S-3295 (142.74)
NAAS. SAN NICOLAS 15 63
NAAS. SAN CLEMENTE IS-926 50H — 3295 (142.74)
LONG BEACH 233 (116.1)
CALIF 13 D.A.
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.
FOR DETAILS IN LOS ANGELES AREA SEE CHART 138
TO EVERGREEN
TO SANTA BARBARA
TO NEEDLES
TO BLYTHE
TO EL CENTRO
LAS VEGAS 54
BLYTHE 83
SANTA BARBARA 50
INDIO 242
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY "B" BOUNDARIES.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SYM.
SCALE OF MILES
10 0 10 20 30

BLYTHE

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA

LAS VEGAS 54

TWENTY-NINE PALMS 40H

PALM SPRINGS 69H

DESERT CENTER 38 L S

CALIF. 18 D.A.

RICE 55H

DESERT CENTER 50H

PARKER 32

AGUILA 45H

ECHEVARRIA 40H

CALIF ARIZ

GARY–392' 29H

CONNER 38

TONOPAH 34 L

INDIO 34 S

THERMAL 50H

INDIO 242 (116.1)

PORT MECCA

SHAVERS SUMMIT 60H

HARVEY

HERON 27 S

SALOME 41 L

PERRYVILLE

WHITE TANK

GREEN 5

SALTON SEA 40

BLYTHE 70H

BLYTHE 251 (116.1)

GILA BEND 257 (116.1)

CALIF. 4 D.A.

CALIPATRIA

BRAWLEY 30 S

O'CONNELL

IMPERIAL CO. 32 S

LAGUNA 50H

NAS. EL CENTRO –(–43') 69H L S–317(142.74)

CALIF. 12 D.A.

RED 9

MARSH 40 S

DATELAN AAF 66H

GILA BEND NO 5 37H

GILA BEND AAF–850 62H L

GILA BEND NO 6 37H

GILA BEND NO 4 37H

ARIZ. 1 D.A.

AJO AAF 64H L S

WELLTON

YUMA 230 (116 1)

HOLTVILLE 60H L S

CALEXICO 28 S

SOMERTON 30 S

FLY 69H S

EL CENTRO 212 (116 1)

On request MT. LAGUNA 254 (116.1)

JACUMBA HOT SPRINGS OLF 25

ARIZ MEXICO

TO SAN DIEGO

LOS ANGELES 82

PHOENIX 86

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

BLYTHE

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-VDT,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA	230(UP)(116.1)	SBMRAZ-VDT,165°,5.8	(4); 116.1
→ **BLYTHE**	**251(YH)(116.1)**	SBMRAZ-VDT,268°,4.1	(4); 116.1
EL CENTRO	**212(MB)(116.1)**	SBMRLZ-VDT	(4); 116.1
El Centro NAS	**317 (142.74)**	CN, 320°, 3.5	(4); 142.74 (7-18 & on 30 min. notice)
→ **INDIO**	**242(IN)(116.1)**	BMRLZ-VDT	(4); 116.1
MT. LAGUNA	**254(TN)(116.1)**	MHVT	(4); 116.1

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; **(3)**-3105, 4495, 6210 kcs.; **(4)**-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aguila	1.5 NNW	2000	45h	
(A) Ajo AAF (A)	6 N,RR NE	1434	64h L3 S4	91, 100 oct.
Conner(Quartzsite)	0.3 SSW,hwy N	850	38	150' hill S.
(A) Datelan AAF	4 W Aztec	450	66h	INACTIVE. RR S.
Echeverria (Wickenburg)	14.8 WSW,RR N	2380	40h	
(A) Gila Bend AAF (A)	4 S,hwy W	850	62h R1 L5	
(A) Gila Bend #4 (A)	18 SSW	1000	37h	INACTIVE.
(A) Gila Bend #5 (A)	15.3 SW	800	37h	INACTIVE.
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	INACTIVE.
Laguna Landing Strip (Laguna)	6.5 NE	500	50h	
Marsh (Yuma)	0.7 E,RR W	130	40 S1	80 oct.
Parker	1.4 ENE;RR W	430	32 S2	No fuel. Fld rough.RR S.
Salome (NC)	0.7 S,hwy N	1876	45	15' poles NW.
★ Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi.E,3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,riv E	2000	24	Trees SSE.
Smiley (Wellton)	13 E,RR S	250	26	Poles SW, NE. (NC)
Somerton	3 ENE,RR W	250	30 S3	80 oct.No sto.
★ Tonopah Int,31, LA-PH	5 NNE Wintersburg	1102	34 L2	
Wellton	0.5 NW,RR S	225	24 S2	73,80 oct.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe	7 W,hwy S	397	70h R1	
(N) Borego Hotel OLF →(Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
→ Brawley	1.3 NE,RR W	-120	30 S6	80 oct.Poles SE,E.
→ Calexico	1.2 W,riv N	0	28 S6	80,91 oct.Data unver.
→ Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel **or** sto.35'poles **all** zones.
(N) Clark's Dry Lake → OLF(Salton Sea)	25 W of center	450	50	On W portion Dry Lake. (N) (NC)
(N) Coyote Wells OLF → -North(El Centro)	21 NW	300	26	(N) (NC)
(N) Coyote Wells OLF → -South(El Centro)	21 WSW	300	25	(N) (NC)
Desert Center	2.5 NE,rd NW	555	50h	
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 **oct.** (truck)
(N) EL CENTRO NAS	7 WNW,RR S	-43	69h R2 L5 S4	91, 100 oct. No sto, (N)
Gary (Blythe)	5 NNW,RR N	392	29h	
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct.No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S1	73 oct.Poles N. **only.**
→ Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 **oct.** Poles SE.No bcn.Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF(Salton → Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		17 S6	80 oct.Data **unver.**
→ (N) PALM SPRINGS	2.5 E,RR NE	448	69h	
→ Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
→ Salton Sea	SW shore	-152	40	
Shavers Summit (Indio)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W
Thermal	1.8 SW,hwy W	-117	50h	
Twentynine Palms	4.8 N	1768	40h	
Fly (Yuma,Ariz.)	4.5 SSE.RR N	213	65h R1 L S2	80 oct. Ltd sto. Bndry lgts prior **req.**

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → **New or revised data.**

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(CJ)(116.1)	SBMRAZ-VDT,259°,2.3	(4); 116.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)	C	(3); 116.1,126.13,113.3,131.9
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3), 142.74 (0730 to sunset)
LUKE (Phoenix)(Army)	219(DRM)	BMRLZ	(3)
Luke Field	396 (126.18)	CA, 163°, 8.2	(3); 126.18
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-VDT,261°, 2.3	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 131.9
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-VDT,307°,3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18

NEW MEXICO

RODEO (Int.)	254(RH)(116.1)	BMRLZ-VDT,24°,0	(4); 116.1

S-Simultaneous Range and Voice; W-Without Voice, Z-VHF Station Location Marker at Range Station.
(3)-3105, 4495, 6210 kcs., (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW,RR N	1050	26	
Bisbee	6.4 SSE,RR W	4750	45 L S4	80 oct.Poles W.Port.rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Greenlee (Clifton)(NC)	8.7 SSE,hwy W	3800	35	
★ Cochise Int,T-3,PH-EO	6 S,hwy E	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S,RR E	1450	34	
Coolidge	6.4 SE	1587	55h	Closed, emerg. use only.
Coolidge Flying Field	1.5 WSW,RR E	1450	21 S1	80 oct. Pole line E.
Cutter (Globe)	6.8 ESE,RR N	3150	42 S4	80 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	5 SE,RR SW	2693	80h R2 L5 S6	73-100 oct. JP-1.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	INACTIVE.Twrs E.
Duncan	1 NE	3650	36	Poleline, race track W.
Falcon (Mesa) (NC)	7.3 NE,hwy S	1332	24h	
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	INACTIVE.
Ft.Apache (White River)(NC)	2.6 SSW,riv S	5200	34	Trees S.
(A) Ft. Huachuca (A)	4 E,RR NW	4635	40	
Gilpin (Tucson)	4.2 NW,RR W	2200	61 L5 S6	80,91 oct.Poles E, SW.
Hayden	1.2 S,hwy E	1910	24	
Hereford	2.5 WSW,rd N	4347	68h	Twr SE.
INTERNATIONAL (Douglas)	3.3 E,hwy N	4181	43 L4 S4	80,91 oct.Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW,riv E	3100	31	RR E
Litchfield (Litchfield Park)(NC)	0.5 NW,canal S	1062	23	Trees SW.
(N) Litchfield Park NAF (N)	4.8 S,riv E	968	60h R1 S1	100 oct.
(A) Luke (Phoenix)(A)	18 WNW	1106	45h R2 L5 S6	91, 100 oct. JP-1.
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	INACTIVE
(A) Marana AAF (A)	6 NW,hwy NE	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W.
Mesa Airpark	1.4 W,RR SE	1238	27 S1	80 oct. Poleline E.
Nogales Central	3 N,RR E	3600	22 S6	80 oct.No sto.

AIRPORTS — ARIZONA

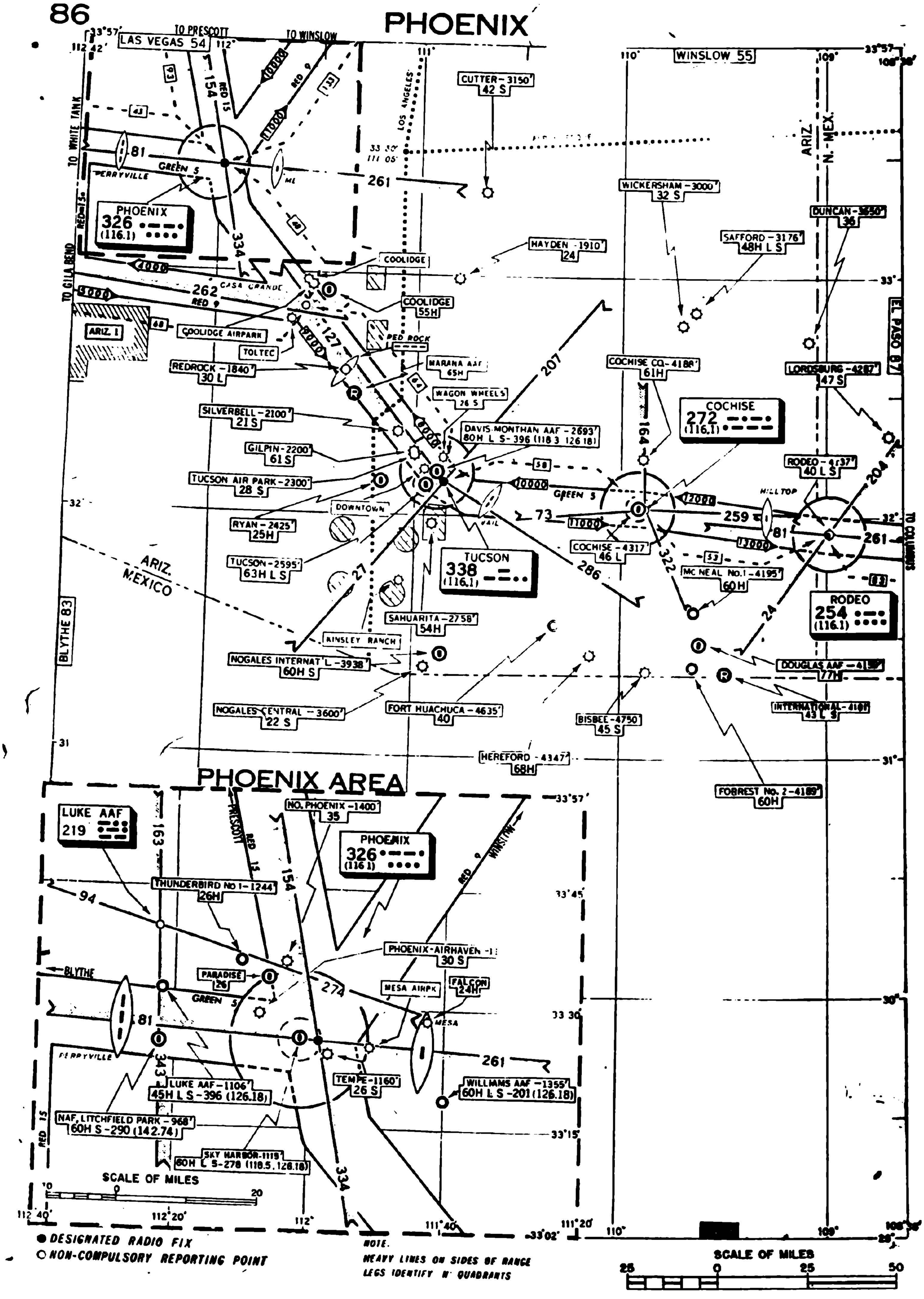
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Nogales International	8 NE,hwy N	3938	60h L5 S4	73,80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35	
Paradise (Glendale)	5 ENE,canal S	1256	26 S2	No fuel, Trees S.
Phoenix Airhaven	3.9 WNW,RR W	1150	30 S6	80 oct.No sto.Poles SW,NE.
* Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	30 L4	
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
→ Safford	4.5 ENE,riv S	3176	48h L5 S5	80,91 oct.Fld lgts on req.
Sahuarita Flight Strip	2.2 E,hwy W	2758	54h	
Sells (NC)	2 NW,rd E	2380	30	
Silverbell (Tucson)	11.2 NW,RR E	2100	21 S1	80 oct.
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	73,80,91,100 oct.
Superior (NC)	2 WSW,hwy N	2600	15	Pole line NE.
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W.
Three Point (Casa Grande)(NC)	1.5 NNW,RR SW	1400	32	
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	25	Allway: 2500 x 2000'
Toltec	0.4 NNW,RR W	1500	26	Poles SSW,SW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	28 S1	Ltd 80 oct.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct.No sto.Poles S,SE.
Wickersham (Safford)	2.5 S,RR NE	3000	32 S6	80, 91 oct.
Willcox (NC)	0.9 WNW,hwy E	4186	36	75' trees SE,bldgs NE.
(A) Williams (Chandler) (A)	10 E	1355	60h R1 L5 S6	73, 91, 100 oct. JP-1.

NEW MEXICO

Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
* Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
Downtown (Tucson,Ariz.)	1.4 S,RR SW	2400	34 S2	80,91 oct. Poles N.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA.

PHOENIX



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'H' QUADRANTS

EL PASO

WINSLOW 55 | ALBUQUERQUE 58

ALL FACILITIES IN ALBUQUERQUE FLIGHT ADVISORY AREA

ALBUQUERQUE

ALBUQUERQUE
EL PASO

ENGLE
344
(116.1)

HOT SPRINGS

78

258

ENGLE - 4842'
45 L

ALAMOGORDO AAF
221

237

57

ALAMOGORDO AAF - 4092'
84 H L S-272 (126 18)

347

HURLEY - 5749'
33 S

WHITEHILL

PHOENIX 86

ROSWELL 90

LAS CRUCES - 4539'
39 L

STATE COLLEGE - 3900'
30 S

DEMING CENTER
60H

DEMING
81 H

DEMING - 4300'
31 S

DEMING SOUTH
60H

LAS CRUCES MUN - 4426'
75 H

170

341

157

BIGGS AAF - 3837'
96H L S-396(126 18)

VALLEY - 3925'
34 S

COLUMBUS
284
(116.1)

EL PASO
242
(116.1)

82

GREEN 5

258

77

257

MACHIRA - 4498'
38 L

83

COLUMBUS - 4024'
42 L S

350

MOUNT RILEY - 4106'
36 L

45

JUNDT - 3709'
32 S

30

EL PASO MUN - 3936'
70 H L S-278(118 7,126 18)

324

70

180

25

TEXAS (S OF 30°39', W OF 100°30')

MARFA MUN (NEW)
53H

ARAGON - 4800'
60H

STARKS - 4481'
42 S

DRYDEN - 2300'
45H L

MARATHON

MARFA AAF - 4895'
75 H

MARFA MUN
44 S

SOUTH RIO 1 - 4025'
60H

ALLISON RANCH - 5100'
49 S

JOHNSON RANCH - 2092'
37

VAL VERDE CO - 1096'
48H

DEL RIO - 1050'
80 S

LAUGHLIN AAF - 1080'
67 H

TEX
MEXICO

N MEX
MEXICO

SCALE OF MILES
10 0 10 20 30 40 60

SCALE OF MILES
10 0 10 20 30

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R QUADRANTS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMOGORDO (Army	221 (DGR)	BMRLZ	(3);4220;126.18
Alamogordo AAF	272 (126.18)	CA(ILS);167°,6.5	(3);126.18 (0730-1930) Mon-Fri.(Sat.& Sun. 730-1630)
COLUMBUS (Int.)	284(KS)(116.1)	SBMRAZ-VDT, 262°, 1.9	(4); 116.1
ENGLE (Int.)	344(EX)(116.1)	SBRAZ-VDT,176°, 2.9	(4); 116.1
HARRINGTON RANCH FM	(- - -)	FM, 257°, 28.5	El Paso, Texas
TEXAS			
BIGGS FLD (El Paso)	396 (126.18)	CA (ILS)	(3); 126.18
EL PASO	242(EO)(116.1)	SBRAZ-VDT	(3); 116.1
→ El Paso Mun. Arpt.	278 (126.18) (118.7)	AC;257°, 4.9	(4); 131.9,118.7,126.18
HUECO MTN. FM	(-)	FM, 77°, 18	El Paso

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT. & MILEAGE (PLUS COMPASS LOCATORS)		
Alamogordo N. Mex.	109.9		155° Mag.	IM- ····· (.22)	MM- (1.00)	OM- -- (4.48)
					MMK-	OMK-
Biggs, Tex.	109.9		213° Mag.	IM- (.26)	MM- ····· (.85)	OM- -- (3.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simultaneous Range and Voice, W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105, 4495, 6210 kcs. (4)-3105 4495, 6210, 3117.5 kcs Parenthetical Numbers in the Frequency Columns Indicate VHF on which Voice is Available.

AIRPORTS — NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Alamogordo AAF(A)	8.5 SW,hwy S	4092	84h R3 L5 S4	73, 100 oct.
★ Columbus Int,34, PH-EO	0.6 ESE,hwy N	4024	42 R1 L3 S1	73 oct.
Deming	2 ESE,hwy W	4314	81h	Clsd,emerg.use only.
Deming Arpk.	6 WSW,RR N	4300	31 S4	73 oct.No sto.
Deming (South)	19.5 SSW	4240	60h	Cattle on fld.Clsd, emerg.use only.
Deming (Center)	11.5 W,hwy S	4440	60h	Clsd,emerg.use only
★ Engle Int,10,EO-PU	2.6 E,hwy S	4842	45 R1 L3	
★ Hachita Int,29B, PH-EO	0.8 W,RR N	4498	38 L3	Pole line N.
Hot Springs	7.4 N,hwy E	4500	75 S4	80 oct.Rnwy data unver
Hurley	0.8 W,RR E	5748	33 S4	73 oct.No sto.
Jundt (Strauss)	8.8 ESE,hwy NE.	3709	32 S6	73,80 oct.No sto.Trees E.
Las Cruces (NC)	1 NE,hwy N	3900	35	
Las Cruces, mun.	8.5 W,hwy S	4426	75h	Cattle on fld.
Las Cruces 4,EO-PU	9.5 NE,hwy S	4538	39 L3	Pwr line S. Mtn E.
★ Mt.Riley Int,37,PH-EO	1.8 SE,RR N	4106	36 L2	
Silver City (NC)	11.5 SE,hwy E	5400	54	
State College (Mesilla Park)	1.2 E,RR W	3800	30 S6	73 oct.No sto.
Tularosa (NC)	2.2 N,RR W	4550	25	Use strips only.
Valley (Berino)	1 ENE,hwy W	3825	34 S1	73 oct,50'hi-line E.
Whitehill (Silver City)	4 SSE	5800	30	Poleline N.Rnwy data unver.
TEXAS				
Allison Ranch (Marfa)	23.4 SW,hwy E	5100	49 S1	73 oct.
(A) Aragon #5 (Marfa)	9 WNW,RR, N	4880	60h	INACTIVE. Hwy N.(A)
(A) Biggs (El Paso)(A)	6 NE,RR W	3937	96h R3 L5 S6	73,91,100 oct.JP-1.No
Blair Ranch (Marathon (NC)	23.5 SSW,hwy E	4180	24	PRIVATE. range.
Castolon (NC)	0.8 NNW,riv SW	2300	16	High butte 1/2 mi E.
Cox Ranch (Longfellow) (NC)	8.4 WSW,RR S	3700	48	PRIVATE.
Decker Ranch (Candelaria) (NC)	11.5 N	3650	29	PRIVATE.
Del Rio	1.5 WNW,hwy E	1000	30 S4	80 oct.No sto.Poles N.
Dryden Airdrome (Dryden) (NC)	1 W	2159	18	
★ Dryden Int,29,EO-JI	5.7 W,hwy N	2300	45h L3	
(N) EL PASO MUN.	4.8 ENE,RR SW	3936	70h R2 L5 S1	73,91,100 oct.No sto. ARPT OF ENTRY.
Johnson Ranch (Castolon)	10.7 SE,riv SW	2092	37	
(A) Laughlin (Del Rio)	7 E,hwy N	1069	67h	INACTIVE. (A)
Marathon	0.7 SE,RR N	4039	44 S1	80 oct.Cattle on fld.
(A) Marfa AAF (A)	9 ESE,RR N	4885	75h	INACTIVE.
Marfa Mun. (new)	4 N,hwy E	4835	53h	
Marfa Mun. (old)	2 NE,hwy,RR S	4780	44 S4	73 oct.No sto.Poleline
Presidio (NC)	4 N,hwy W	2850	48	NOT MNTND. S, SW.
Presidio Air Strip	0.8 NE,RR S	2580	21	PRIVATE. (NC)
(A) Ryan #3 (Marfa)(A)	19 WNW,RR NE	4750	60h	INACTIVE.
Sanderson Landing Strip (NC)	2 W,RR N	2900	24	PRIVATE.
(A) South #1 (Marfa)(A)	15 SE	4825	60h	INACTIVE.
→ Starns (Alpine)	2.1 NW,RR E	4481	42 L S6	80,91 oct.No sto.Rnwy lgts prior req.
Terlingua (NC)	2 E,hwy SW	2700	36	
Val Verde Co.(Del Rio)	4.5 ENE,RR S	1094	49h	
Yoas Ranch (Longfellow)(NC)	6.5 WSW,RR N	3675	36	PRIVATE.Pole line NW.

h-hard surfaced runways R-radio facilities. L-lighting facilities. S-servicing (See page XIII) NC-(not charted). → New or revised data

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CARLSBAD	311(DKB)	MRLW:322°,3.5	
ROSWELL (Army)	305 (DEH)	SBMRAZ	(3); 126.18
Roswell AAF	396 (126.18)	CA:255°, 3.6	(3); 126.18
TEXAS			
GUADALUPE PASS	(116.1)	VP	(4); 116.1
GUADALUPE PASS FM	(-)	FM, 79°, 17.4	Salt Flat
HUECO MOUNTAIN FM	(-)	FM, 77°, 18	El Paso
SALT FLAT (Int.)	335(DN)(116.1)	BMRLPZ-VDT:162° 2.7	(4); 116.1

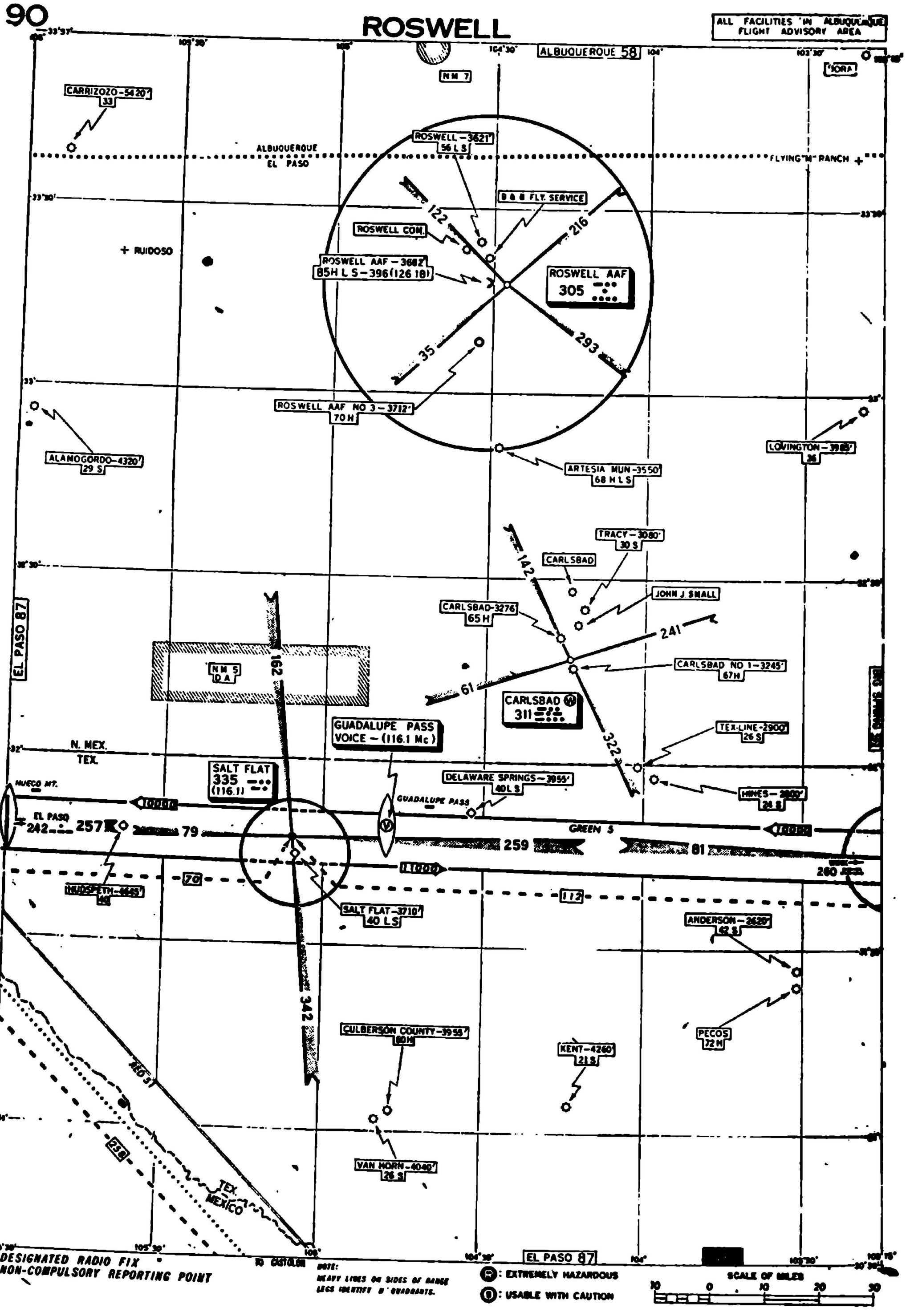
S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105, 4495, 6210 kcs., (4)-3105, 4495, 6210, 3117.5 kc. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

NEW MEXICO

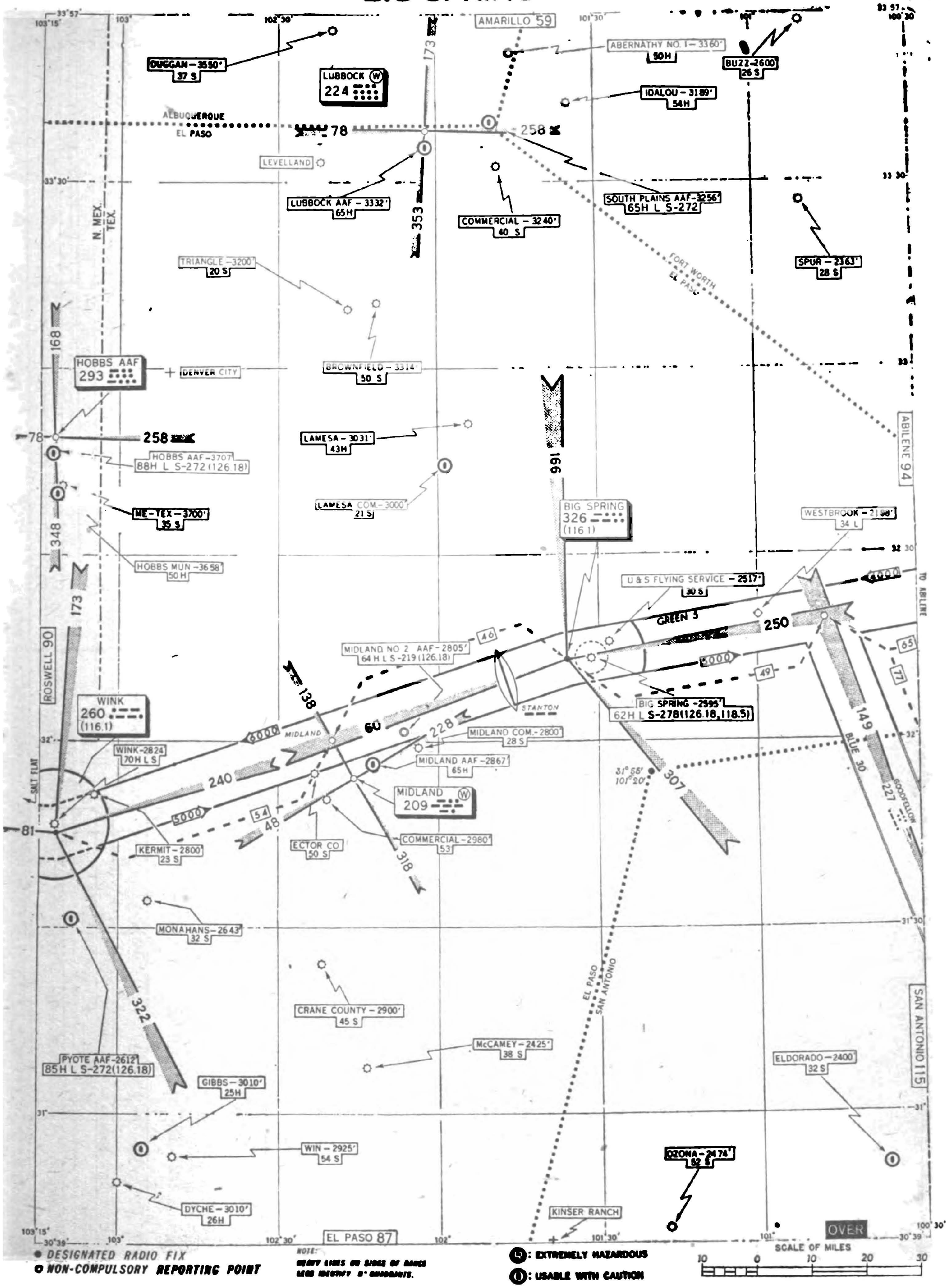
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamogordo	2.4 N,hwy W	4320	29 S1	73 oct.Poleline ESE.
(P) Artesia Mun.	4.2 W,rd S	3550	69h L5 S1	73-91 oct.
B&B Flying Service (Roswell)	2 S,RR E	3600	32 S2	80 oct.
CARLSBAD MUN.	6.1 SSW,	3276	65h	Hwy E.
Carlsbad	3 N,RR E	3100	38 S2	80 oct.
Carlsbad #1	11 S,hwy 3 W	3245	67h	
Carrizozo	0.6 N,hwy S	5420	33	
Cora (NC)	1.3 E,hwy W	4000	27 S1	73 oct.Pole line N.
Flying "M" Ranch (Milnesand)	0.4 NNW, hwy E	4360	20 S2	80 oct.Data unver.
John J Small (Carlsbad)	3.5 SSE,RR NE	3150	27 S1	73 oct.
Lovington	0.8 E,hwy S	3985	36	Pole line S,SE,SW.
Parker (Ruidoso) (NC)	8.2 NNE,	7200	36	Cattle on fld. Road N.
ROSWELL	1.6 WNW,	3621	56 L5 S6	73 oct.Fld lgts prior request. RR E.
Roswell Com.	4 W,hwy N	3700	33	Windmill SW.
(A) Roswell AAF (A)	6.5 S	3662	85h R2 L5 S6	91,100 oct.No sto.
(A) Roswell AAF #3 (A)	18 S	3712	70h	INACTIVE.
Ruidoso Flying Svc.	2 N	6900	51 S2	80 oct.Data unver.
Tracy (Carlsbad)	2 ENE,hwy S	3080	30 S6	80 oct.
TEXAS				
Anderson (Pecos)	1.8 NNW,RR W	2620	42 S6	80 oct.Poles sur fld.
(P) Culberson Co.(Van Horn)	3.5 ENE,RR S	3955	60h	
★ Delaware Springs Int. 11, EO-FV	16.8 E Pine Springs	3955	40 L3 S1	91 oct.Pole line SSE.
Fort Hancock (NC)	0.7 SE,RR N	3565	24	Pole line N.
Hines (Red Bluff Lake)	5.5 NNW,RR W	2800	24 S1	80 oct.
★ Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	
Kent	0.6 WNW, RR S	4260	21	Pole line NE,SW.PRIV.
Pecos	2.2 SSW	2617	72h	RR W
★ Salt Flat Int.8A,EO-FV	80 E El Paso	3710	40 R1 L3 S1	80 oct.;91 oct. in emerg
Sierra Blanca (NC)	2.8 ESE	4450	21	Pole line N.Hwy N.
Tex-Line (Orla)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Van Horn	0.8 SE,RR N	4040	26 S1	80 oct.Poles NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

ROSWELL


ALL FACILITIES IN ALBUQUERQUE FLIGHT ADVISORY AREA
ALBUQUERQUE 58
TORA
NM 7
CARRIZOZO-5420'
33
ALBUQUERQUE
EL PASO
FLYING "M" RANCH
ROSWELL-3621'
56 L S
B & B FLT. SERVICE
ROSWELL COM.
ROSWELL AAF-3682'
85H L S-396(126 181)
ROSWELL AAF
305
+ RUIDOSO
122
216
35
293
ROSWELL AAF NO 3-3712'
70H
ALAMOGORDO-4320'
29 S
ARTESIA MUN-3550'
68 H L S
LOVINGTON-3985'
36
TRACY-3080'
30 S
CARLSBAD
142
JOHN J. SMALL
CARLSBAD-3276'
65H
241
CARLSBAD NO 1-3245'
67H
CARLSBAD
311
61
322
EL PASO 87
NM 5
DA
162
GUADALUPE PASS
VOICE-(116.1 Mc)
TEX-LINE-2900'
26 S
N. MEX.
TEX.
SALT FLAT
335
(116.1)
DELAWARE SPRINGS-3955'
40L S
HUECO MT.
GUADALUPE PASS
HINES-2800'
26 S
EL PASO
242
257
79
GREEN 5
259
81
260
70
112
SALT FLAT-3710'
40 LS
ANDERSON-2620'
42 S
342
CULBERSON COUNTY-3955'
60M
KENT-4260'
21 S
PECOS
72 H
250
238
TEX.
MEXICO
VAN HORN-4040'
26 S
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
TO CHIHUAHUA
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R' QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
EL PASO 87
SCALE OF MILES
10 0 10 20 30

BIG SPRING



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF AIRWAYS INDICATE 8° DIVERGENCE.

(E): EXTREMELY HAZARDOUS

(I): USABLE WITH CAUTION

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
HOBBS (Army)	293 (DHB)	BMRLZ	(3) (V, 7-2300)
Hobbs AAF	272 (126.18)	CA; 168°, 2.8	(3);126.18 (7-23)
TEXAS			
BIG SPRING	326(BZ)(116.1)	SBRAZ-VDT	(3); 116.1
Big Spring Arpt.	278 (126.18)	C; 70°, 3.9	(4); 126.18,131.9.Trs. & gds, 118.5 mcs.
LUBBOCK (AAF)	224 (DHH)	MRLWZ; 173°,3.9	
MIDLAND	209 (DON)	MRLWZ;48°,3.8-AAF	
Midland No. 2	219 (126.18)	CA	(4); 140.58
PYOTE AAF	272 (126.18)	CA	(3); 126.18
SOUTH PLAINS AAF (Lubbock)	272	CA	(3) (8-22)
STANTON FM	(- - -)	FM, 240°,12	Big Spring.
WINK	260(WP)(116.1)	SBRAZ-VDT,353°,1.2	(4); 116.1

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — NEW MEXICO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Continental (Jal)(NC)	0.7 W, hwy E	3100	20	
(A) HOBBS AAF (A)	8 NW,RR NE	3707	88h R2 L5 S4	91,100 oct.
HOBBS MUN.	5 W,hwy N	3658	50h L5	All lgts prior req.
(P) Me-Tex (Hobbs)	4.5 W,hwy N	3700	35 S6	80,87 oct.Pole line N,W,NW.
TEXAS				
(A) Abernathy #1 (A)	5 ENE	3346	50h	INACTIVE
(P) BIG SPRING	3.3 WSW;RR N	2595	62h R2 L5 S6	80,91,100 oct.
Brownfield	5 E;hwy N	3314	50 S2	80 oct.Poleline N, NE.
Buzz (Roaring Spgs)	2.3 NNE;hwy W	2600	26 S1	73 oct.Poleline S.
Commercial (Lubbock)	3.2 SE;bet hwys	3240	40 S6	73,80 oct.No sto. Use strips.
Commercial (Odessa)	1.9 E; RR N	2980	53 S4	Poleline NE,NNE.
Crane Co.(Crane)	1 NNW;hwy E	2900	45 S1	73 oct.Hi-line S.
Duggan (Littlefield)	1.2 S;RR NE	3550	37 S4	80,91 oct.Pwrline E, NE, SE.
Dyche (Fort Stockton)	9 SW;RR E	3010	26h	Allway area: 4000 x 4000'.
Ector County (Odessa)	5 NNW;hwy W	2900	50 S2	80 oct.
Eldorado	1 W;RR E	2400	32 S1	80 oct. Poles E. Livestock on fld.
Gibbs (Fort Stockton)	2.7 NNW	3010	25h.	Allway area: 4800 x 5000'.
Idalou	5.5 ENE	3189	54h	
Iraan (NC)	5 NW	2300	26	
Kermit	1.3 E;RR W	2800	23 S1	80 oct.
Kinser Ranch (Ozona)	25 W;riv W	2474	24 S1	80 oct. PRIVATE. Data unverified.
Lamesa	8.9 NNE;hwy E	3031	43h	
Lamesa Commercial	1.8 WNW;hwy S	3000	21 S1	73 oct.Pole line SSE.
Levelland	2 S;hwy W	3550	25 S1	80 oct.Poleline NW, SW.
(A) Lubbock AAF (A)	9 W;RR S	3332	65h	INACTIVE.
McCamey	0.8 SW;RR N	2425	38 S6	80 oct.Hi-line SSE.
(A) Midland AAF (A)	9.5 WSW;RR S	2867	65h	INACTIVE.
Midland Commercial	1.1 SSE;RR N	2800	28 S4	80 oct.No sto.Rnwy data unverified.
(A,N) Midland #2 (A)	3 NW; rd E	2805	64h R1 L5 S4	91, 100 oct. JP-1. No sto.
Monahans	1.2 SW;RR N	2643	32 S2	80 oct.Pole line SSW
Ozona	4.9 WSW;hwy N	2474	52 S1	80 oct.
(A) Pyote AAF (A)	1 SW;RR N	2612	85h R1 L5 S6	91, 100 oct. No sto.
Rita Santa (NC)	0.5 S;RR N	2800	40	Obsts sur fld.
(A) SOUTH PLAINS AAF (Lubbock)	5.5 NNE;RR W	3256	65h R1 L5 S6	73, 91, 100 oct.
Spur	2.2 S;RR N	2363	28 S4	80, 91 oct.
Triangle (Brownfld)	1.8 SSW;RR NW	3200	20 S2	73 oct.
U & S Flying Service (Big Spring)	1.5 N;hwy S	2517	30 S6	80 oct.
★ West Brook Int,32, EO-FV	1.3 S;RR N	2188	34 L3	Pole line N, S.
Win (Ft. Stockton)	3.2 E;hwy N	2925	54 S6	80 oct.
Wink	3.6 WNW;rd SE	2824	70h R1 L5 S6	80,91 oct.
Denver City (Tex.)	0.5 NW	3584	40 S1	80 oct.Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII) NC-(not charted). ★ → NEW OR REVISED DATA.

ABILENE

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ABILENE	379(AP)(116.1)	SBRAZ-VDT	(3) 116.1
Abilene Air Term.	278 (118.7)	C; 180°, 2.3	(4); 118.7,126.18, 131.9
CLARENDON	233(CP)(116.1)	BMRL-VDT,199°,2	(4); 116.1
HARPERSVILLE (Int.)	284(HV)(116.1)	MHVT	(4); 116.1
→ SHEPPARD/KELL MUN.ARPT.(Wichita Falls)			DECOMMISSIONED
WICHITA FALLS (Sheppard/Kell Mun. Airport)	239(WF)(116.1)	SBMRAZ-VDT,301°, 1.9	(4); 116.1

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — OKLAHOMA

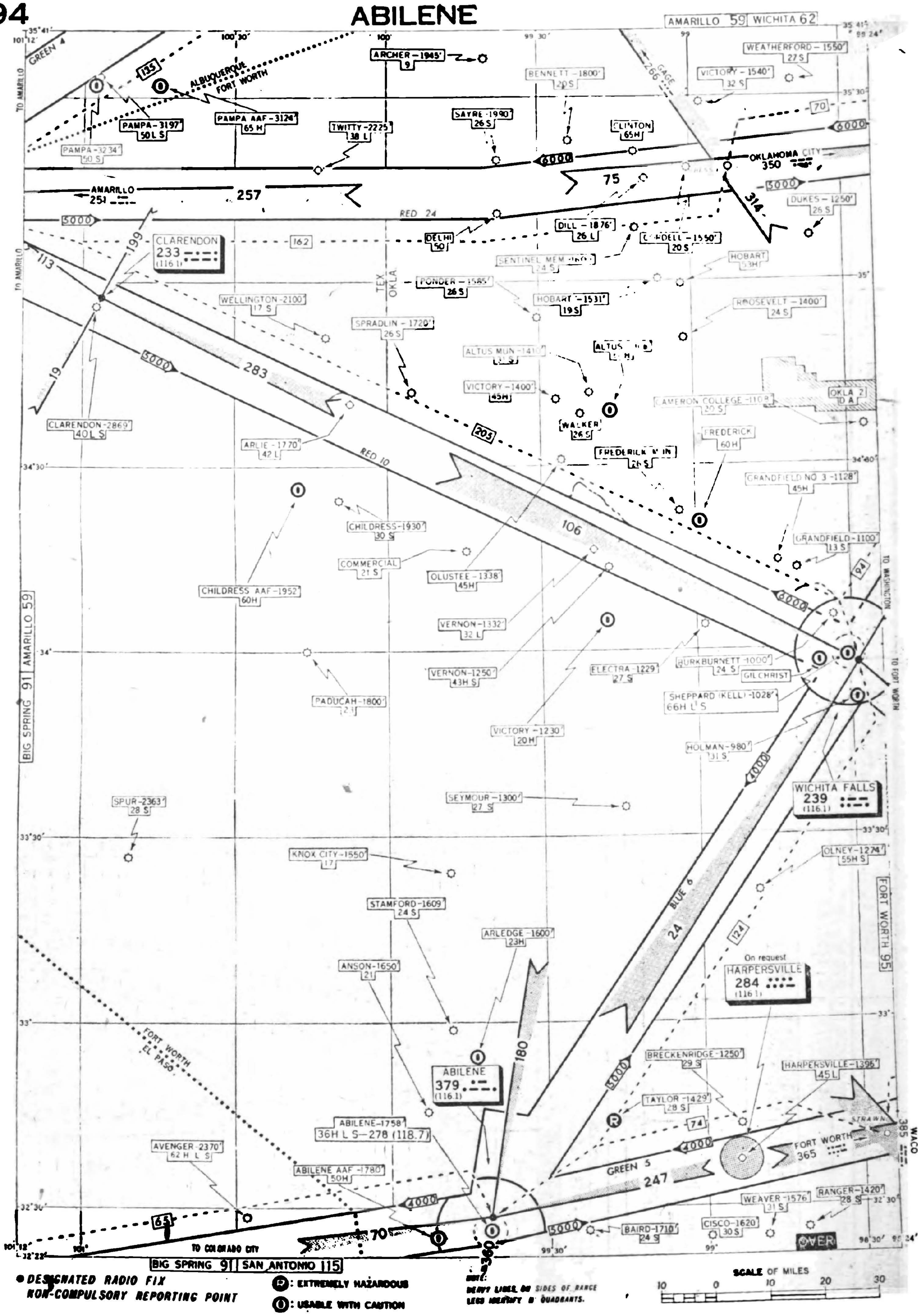
AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Altus	3.4 ENE,hwy S	1368	60h	
Altus, mun.	4.2 N,RR W	1410	31 S6	73,80 oct.Polelines W.
Archer (Cheyenne)	1.2 SW,hwy E	1945	9 S4	No fuel
Bennett (Elk City)	2 SSE,RR NE	1800	20 S1	73 oct.Poleline W.Lgt acft only.
Cameron College (Lawton)	2.5 W,RR N	1108	20 S4	80 oct.
Clinton	17 SW,hwy E	1932	65h	
Cordell	1.3 NW,RR E	1550	20 S1	80 oct.
Delhi	2.5 ENE,hwySW	1937	50	
★ Dill Int,14,AQ-LS	0.5 NW,hwy N	1876	26 L3	Poleline N, E.
Dukes(Carnegie)	1 NNW,riv S	1250	26 S1	80 oct.Poleline S.
Frederick,mun.	2.3 WSW,RR SE	1285	26 S6	73 oct.
Frederick	3.5 SSE	1233	60h	
Grandfield	1.2 SE,RR N	1100	13 S1	73 oct.
Grandfield #3	3.1 W,RR NE	1128	45h	
Haddock (Erick)	1.4 SW,RR N	2017	34 S1	80 oct.Poleline N,NW
(P) Hobart	3.8 SE,RR N	1583	53h	
Hobart, mun.	1.5 SW,RR NW	1531	19 S6	73 oct.
Olustee(Altus)	10 SE,riv E	1338	45h	
Ponder (Mangum)	1.6 N,hwy S	1585	26 S2	73, 80 oct.
Roosevelt	0.5 NW,rd N	1400	24 S1	80 oct.Pwr line N.
Sayre	2.3 N,hwy W	1990	26 S4	80 oct.
Sentinel Memorial	0.8 SSW,RR W	1600	24 S1	73 oct.
Spradlin(Hollis)	1 N,hwy S	1720	26 S2	80 oct
Victory (Altus)	7.2 NW,riv E	1400	45h	
Walker (Altus)	1.6 W,RR E	1400	26 S4	80 oct.Poleline N.
Weatherford	2.7 ENE,RR S	1550	27 S2	80 oct.

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) NC-(not charted). → NEW OR REVISED DATA.

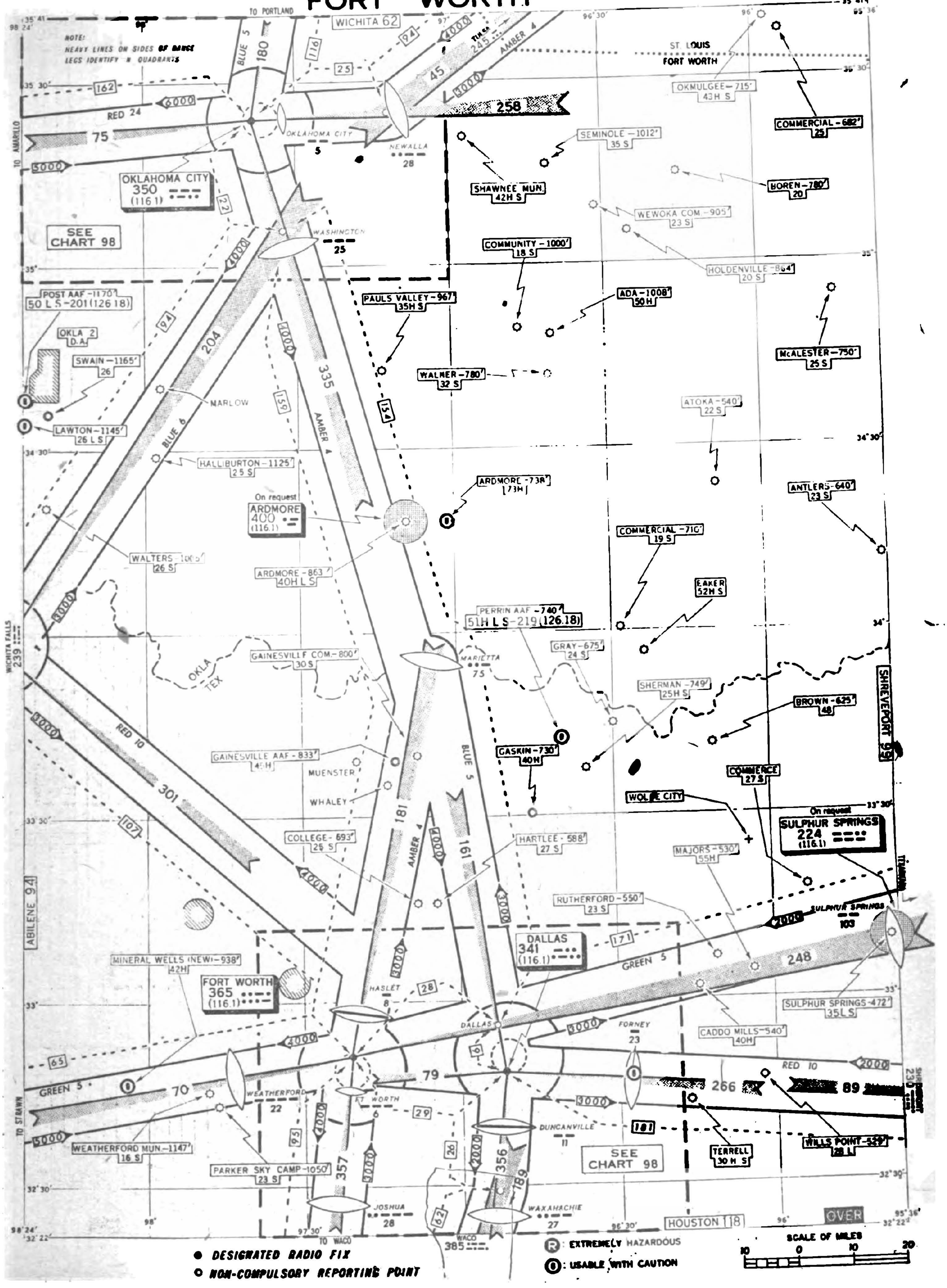
TEXAS

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) ABILENE AIR TERMINAL	2.8 ESE,RR N	1758	36h R2 L5 S6	73,80,91,100 oct.
(A) Abilene AAF (A)	7 WSW,hwy N	1780	50h	INACTIVE.
Anson	0.8 ENE,RR W	1650	21	
Arledge(Stamford)	5 SE,RR SW	1600	23h	Pole line S.
★ Arlie Int,9,AQ-FV	3.8 SW,hwy SE	1770	42 L3	
(P) Avenger(Sweetwater)	3.5 W,RR S	2370	62h L5 S1	80 oct.
Baird	3.1 NNE,hwy W	1710	24 S6	73, 80 oct.
Breckenridge	2.5 S,RR E	1250	29 S6	80 oct.
Burkburnett	1 SE,RR SW	1000	24 S2	80 oct.Poles E.
Childress	3.2 ESE,RR NE	1930	30 S4	73,80 oct.Poleline sur. field.
(A) Childress AAF(A)	5.2 W,RR N	1952	60h	INACTIVE.
Cisco	2.5 NNW,lake 2 N	1620	30 S6	80 oct.
Clarendon 4,AQ-FV	3.8 W,RR NE	2869	40 R1 L3 S6	80, 91 oct.
Commercial(Quanah)	1.8 S,hwy E,N	1568	21 S2	Ltd 80 oct.
Electra	3.6 WNW,RR S	1229	27 S2	80 oct.
Gilchrist (Wichita Falls)	7 WNW,RR S	1020	30 S1	80 oct.Pwrline S.
★ Harpersville Int,44, EO-FV	9.2 S of Breckenridge	1396	45 R1 L3	
Holman (Wichita Falls)	3.1 SSE,hwy W	980	31 L S6	80,91 oct.Poles SE, E, NE.
Knox City	0.8 SSE,RR W	1550	17	
(P) Olney	4 WSW,rd S,N	1274	55h L5 S2	80, 91 oct. Lgts prior req
Paducah	2.5 ESE,RR NW	1800	23	
Pampa	1 NNE,RR S	3234	50 S6	80,91 oct.Poleline S.
(A) Pampa AAF (A)	12.3 E	3124	65h	INACTIVE.
★ Pampa Int,4,AQ-KC	1.9 NE,RR S	3197	50 L3 S1	80, 91 oct.
Ranger	1.5 SSW,RR W	1420	28 S6	80 oct.Poleline NE.
Seymour	1.3 SE,riv SW	1300	27 S1	80 oct.
(A) SHEPPARD KELL → MUN.(Wichita Falls)	5.8 N,hwy W	1028	66h R1 L5 S6	80, 91 oct.
Spur	2.2 S,RR N	2363	28 S4	80, 91 oct.
Stamford	2.5 N,hwy E	1609	24 S2	80 oct.
Taylor (Albany)	1 N,RR SW	1429	28 S2	80 oct.
★ Twitty Int,8A,AQ-LS	1 SE,hwy W	2225	38 L3	
Vernon	5 N,hwy E	1250	43h S6	73, 80 oct.No sto.
★ Vernon Int,15,AQ-FV	8.8 NNW,hwy E	1332	32 L3	
Victory (Vernon)	5.9 SSW,hwy E	1230	20h S2	No fuel.
Weaver (Eastland)	1 NE,RR S	1576	31 S6	80 oct.
Wellington	1 SE,hwy W	2100	17 S1	80 oct.Pole line S.

ABILENE


AMARILLO 59
WICHITA 62
GREEN 4
135
ALBUQUERQUE
FORT WORTH
ARCHER – 1945'
9
BENNETT – 1800'
20 S
GAGE
266
WEATHERFORD – 1550'
27 S
VICTORY – 1540'
32 S
PAMPA – 3197'
50 L S
PAMPA AAF – 3124'
65 H
TWITTY – 2225'
38 L
SAYRE – 1990'
26 S
CLINTON
65 H
PAMPA – 3234'
50 S
6000
OKLAHOMA CITY
350
AMARILLO
251
257
75
70
314
5000
RED 24
DUKES – 1250'
26 S
CLARENDON
233
(116.1)
162
DELHI
50
DILL – 1876'
26 L
199
113
SENTINEL MEM
24 S
HOBART
53 H
TEX
OKLA
PONDER – 1585'
26 S
WELLINGTON – 2100'
17 S
HOBART – 1531'
19 S
ROOSEVELT – 1400'
24 S
SPRADLIN – 1720'
26 S
ALTUS MUN – 1410'
ALTUS
19
283
VICTORY – 1400'
45 H
OKLA 2
DA
CAMERON COLLEGE – 1109'
20 S
CLARENDON – 2869'
40 L S
ARLIE – 1770'
42 L
205
WALKER
26 S
FREDERICK
60 H
FREDERICK MUNI
24 S
RED 10
34°30'
GRANDFIELD NO 3 – 1128'
45 H
106
CHILDRESS – 1930'
30 S
COMMERCIAL
21 S
GRANDFIELD – 1100'
13 S
94
TO WASHINGTON
CHILDRESS AAF – 1952'
60 H
OLUSTEE – 1338'
45 H
6000
VERNON – 1332'
32 L
BIG SPRING 91 AMARILLO 59
34°
VERNON – 1250'
43 H S
ELECTRA – 1229'
27 S
HURKBURNETT – 1000'
24 S
GILCHRIST
PADUCAH – 1800'
23
SHEPPARD (KELL) – 1028'
66 H L S
TO FORT WORTH
VICTORY – 1230'
20 H
HOLMAN – 980'
31 S
4000
WICHITA FALLS
239
(116.1)
SPUR – 2363'
28 S
33°30'
KNOX CITY – 1550'
17
OLNEY – 1274'
55 H S
FORT WORTH 95
STAMFORD – 1609'
24 S
ARLEDGE – 1600'
23 H
BLUE 6
24
124
On request
HARPERSVILLE
284
(116.1)
ANSON – 1650'
21
33°
FORT WORTH
EL PASO
180
ABILENE
379
(116.1)
BRECKENRIDGE – 1250'
29 S
5000
HARPERSVILLE – 1395'
45 L
TAYLOR – 1429'
28 S
74
ABILENE – 1758'
36 H L S – 278 (118.7)
STRAWN
385
WACO
AVENGER – 2370'
62 H L S
ABILENE AAF – 1780'
50 H
4000
FORT WORTH
365
GREEN 5
247
WEAVER – 1576'
31 S
RANGER – 1420'
28 S
32°30'
65
70
360
BAIRD – 1710'
24 S
CISCO – 1620'
30 S
99°30'
99°
98°30'
101°12'
32°22'
TO COLORADO CITY
BIG SPRING 91 SAN ANTONIO 115
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS INDICATE 8 QUADRANTS.
SCALE OF MILES
10 0 10 20 30

FORT WORTH


NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 8 QUADRANTS
TO PORTLAND
TO AMARILLO
WICHITA 62
BLUE 5
AMBER 4
RED 24
OKLAHOMA CITY
NEWALLA
ST. LOUIS
FORT WORTH
OKMULGEE – 715'
43 H S
COMMERCIAL – 682'
25
SEMINOLE – 1012'
35 S
SHAWNEE MUN.
42H S
HOREN – 780'
20
WEWOKA COM. – 905'
23 S
COMMUNITY – 1000'
18 S
HOLDENVILLE – 864'
20 S
OKLAHOMA CITY
350
(116.1)
SEE CHART 98
WASHINGTON
PAULS VALLEY – 967'
35H S
ADA – 1008'
50 H
McALESTER – 750'
25 S
POST AAF – 1170'
50 L S – 201 (126.18)
OKLA 2
D.A.
SWAIN – 1165'
26
MARLOW
BLUE 6
AMBER 4
WALNER – 780'
32 S
ATOKA – 540'
22 S
LAWTON – 1145'
26 L S
HALLIBURTON – 1125'
25 S
ARDMORE – 738'
(73H)
On request
ARDMORE
400
(116.1)
ANTLERS – 640'
23 S
WALTERS – 1065'
26 S
ARDMORE – 863'
40H L S
COMMERCIAL – 710'
19 S
EAKER
52H S
PERRIN AAF – 740'
51H L S – 219 (126.18)
WICHITA FALLS
239
GAINESVILLE COM. – 800'
30 S
MARIETTA
75
GRAY – 675'
24 S
SHERMAN – 749'
25H S
BROWN – 625'
48
SHREVEPORT 99
GASKIN – 730'
40H
COMMERCE
27 S
WOLFE CITY
On request
SULPHUR SPRINGS
224
(116.1)
GAINESVILLE AAF – 833'
45H
MUENSTER
WHALEY
COLLEGE – 693'
25 S
HARTLEE – 588'
27 S
MAJORS – 530'
55H
RUTHERFORD – 550'
23 S
ABILENE 94
MINERAL WELLS (NEW) – 938'
42H
FORT WORTH
365
(116.1)
DALLAS
341
(116.1)
SULPHUR SPRINGS – 472'
35 L S
HASLET
DALLAS
FORNEY
23
CADDO MILLS – 540'
40H
GREEN 5
RED 10
TO STRAWN
WEATHERFORD
FT. WORTH
DUNCANVILLE
WEATHERFORD MUN. – 1147'
16 S
PARKER SKY CAMP – 1050'
23 S
TERRELL
30 H S
WILLS POINT – 537'
28 L
SEE CHART 98
JOSHUA
28
WAXAHACHIE
27
WACO
385
HOUSTON 118
OVER
SCALE OF MILES
10 0 10 20
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION

RADIO — OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARDMORE	400 (AT)(116.1)	MHVT	(4); 116.1
MARIETTA FM	(. . -)	FM, 1°, 75	Fort Worth, Texas
NEWALLA FM	(. . - -)	FM, 78°, 27.5	Oklahoma City
OKLAHOMA CITY (Will Rogers Field)	350 (OL)(116.1)	SBRAZ-VDT,78°,1.6	(3); 116.1
OKLAHOMA CITY LFM	(- -)	LFM, 78°, 5.4	Oklahoma City
POST FIELD (Lawton)	201 (126.18)	CA	(3); 126.18 (7-17 Mon.-Fri.)
WASHINGTON FM	(- - -)	FM, 155°, 24.6	Oklahoma City

TEXAS

DALLAS (Love)	341 (DL)(116.1)	SBMRAZ-VDT,35692.5	(3); 116.1
DUNCANVILLE FM	(- -)	FM, 176°, 10.5	Dallas
FORNEY FM	(-)	FM, 86°, 23	Dallas
FORT WORTH (Meacham Fld)	365 (FV)(116.1)	SBRAZ-VDTX,177°,2.3	(3); 116.1
FORT WORTH LFM	(- - -)	LFM, 177°, 6.2	Fort Worth
HASLET FM	(-)	FM, 1°, 8.1	Fort Worth
JOSHUA FM	(. . - - -)	FM, 177°, 27.7	Fort Worth
PERRIN FIELD (Sherman)	219 (126.18)	CA	(3);126.18
SULPHUR SPRINGS	224 (ZO)(116.1)	MHVT	(4); 116.1
SULPHUR SPRINGS FM	(- -)	FM, 68°, 103	Fort Worth
WAXAHACHIE FM	(. . - -)	FM, 176°, 27	Dallas
WEATHERFORD FM	(- - - -)	FM, 250°, 22	Fort Worth

S-Simultaneous Range and Voice, W-Without Voice, Z VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5 kcs., Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — OKLAHOMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Ada	2 N, RR SW	1008	50h	
Antlers	2.8 S,RR E	640	23 S2	80 oct.
Ardmore	11.2 NNE,riv E	738	73h	CAUTION: Intensive airline training.
Ardmore 10, FV-WD	9.2 N,hwy E	863	40h R1 L3 S6	80, 91 oct. Poles E.
Atoka	1.8 NW,RR S	540	22 S2	73 oct. Pole line S.
Boren (Wetumka)	1.5 NW,hwy S	780	20	
Commercial (Durant)	5.2 W,RR N	710	19 S2	73 oct. Rnwy data unverified.
Commercial (Okmulgee)	3.4 E,RR N	682	25 S2	Ltd 73 oct. Poles SW.
Community (Ada)	6.8 WNW,RR NE	1000	18 S6	80 oct.
(P) Eaker (Durant)	3.2 SSW,RR NW	703	52h L5 S1	80, 91 oct. All lgts prior req.
Halliburton (Duncan)	1 S, RR E	1125	25 L S4	80,88 oct. Range lgts.
Holdenville	1.2 WNW,RR NE	864	20 S2	73 oct. Pole line N.
Lawton	1.5 S,RR E	1145	26 L2 S4	73 oct. Fld lgts prior req. Poles NW.
Marlow	1.6 N,RR E	1150	15	Pole line S.
McAlester	2 SSE,RR W	750	25 S6	80 oct.
(P) Okmulgee	3 NNE,hwy W	715	43h L5 S6	73,80 oct. Ctc lgts prior request.
(P) Pauls Valley	2.1 S,RR E	967	35h L1 S1	80 oct.
(A) Post (Lawton)(A)	3 N	1170	50 R1 L4 S4	73 oct.; ltd 100 oct.
Seminole	3.4 NNW,hwy E	1012	35 S2	80 oct. Trees W, NW.
(P) Shawnee	2 NW,RR E	1080	42h L5 S2	80, 91 oct. Fld lgts prior req.
(A) Swain (Lawton)(A)	3.5 E,hwy N	1165	26	
Tishomingo (NC)	7.5 N	890	29	
Walker (Ada)	5.4 S,hwy W	860	32 S6	73, 80 oct. Trees sur fld.
Walters	1.2 SW,RR E	1005	26 S2	73 oct. Cattle on field.
Wewoka, com.	1.8 W,lake N	905	23 S6	80 oct. Pole line NNE.
Wewoka, mun. (NC)	4.7 NE,hwy N	790	30	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

AIRPORTS — TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bowie (NC)	2.8 NW,bet RRs	1050	19	Cattle on fld. Trees N.
Brown (Bonham)	8 N,hwy W	625	48	Pole line S, W.
Caddo Mills(Greenv'l)	10.7 SW,hwy W	540	40h	
College (Denton)	4.2 N	693	25 S6	73 oct. Cattle on field.
Commerce	3.4 NNE,hwy SE	548	27 S6	80, 91 oct.
(A) Gainesville AAF (A)	3.8 WNW,RR S	833	45h	
Gainesville com.	3 NNE,hwy W	800	30 L1 S1	80 oct. Poles S.
(A) Gaslin (Sherman)(A)	12.6 SW,rd E	730	40h L	B-2, flood lgts.
Gray (Denison)	2.5 E,RR N	675	24 L S6	80 oct. Emerg.lgts by circling fld.
Hartlee (Denton)	5.4 NE,RR SSE	568	27 S6	73,80 oct. Poles S
Jones (Bonham)(NC)	2 NNE,hwy E	616	18h	
Majors (Greenville)	5 SSE,RR W	530	55h	
(P) Mineral Wells, new	3.2 SE,RR N	938	42h	
Muenster	2.6 E,RR S	1010	26 S1	80 oct. Pole line S.
Parker Sky Camp (Weatherford)	3.4 SSE,RR NW	1050	23 S4	80 oct.
(A) Perrin (Sherman)(A)	6.4 NNW,RR N	740	51h R1 L5 S6	73, 91, 100 oct.
Retherford (Greenv'l)	4.5 WSW,hwy SE	550	23 S3	73 oct. Pole line S.
Sherman	1.4 SE,hwy N	749	25h S6	80 oct.
So.Sulphur (Greenv'l)	9.5 NNE	550	30	(NC)
Sulphur Springs, 7B, DL-LV	1.9 NW,RR S	472	35 R1 L3 S1	80 oct. Pole line S,SE
→ Terrell Mun.	1.5 SE,RR W	490	30h S1	80,91 oct.
Weatherford, mun.	1 W, hwy N	1147	16 S4	80 oct.
Whaley Arpk(Gainesv'l)	5.7 WSW,RR N	820	20 S2	80 oct. Pole line N.
* Wills Point Int.7,FV-AG	5.9 NW	529	28 L3	
Wolfe City	2 N		20 S1	80 oct. Data not verified.

RADIO — OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
NEWALLA FM	(. . - -)	FM,78°,27.5	Oklahoma City
OKLAHOMA CITY	350(OL)(116.1)	SBRAZ-VDT,78°,1.6	(3); 116.1
(Will Rogers Field)			
OKLAHOMA CITY LFM	(- -)	LFM,78°,5.4	Oklahoma City
TINKER, OKLAHOMA CITY	221 (DTE)	BMRAZ	4495
(Army)			
Tinker Field	396 (126.18)	CA;170°,5.3	(3); 126.18
WILL ROGERS FIELD	272 (126.18)	C	(4); 126.18,131.9
(Oklahoma City)			
WASHINGTON FM	(- - -)	FM,155°,24.6	Oklahoma City

TEXAS

DALLAS (Love Field)	341(DL)(116.1)	SBMRAZ-VDT,356°,2.5	(3); 116.1
DUNCANVILLE	404 (D)	FMK,176°,10.5	Dallas
DUNCANVILLE FM	(- -)	FM,176°,10.5	Dallas
FORNEY FM	(-)	FM,86°,23	Dallas
FORT WORTH	365(FV)(116.1)	SBRAZ-VDTX,177°,2.3	(3); 116.1
(Meacham Field)			
Fort Worth AAF	201 (126.18)	CA	(3); 126.18
FORT WORTH LFM	(- - -)	LFM,177°,6.2	Fort Worth
HASLET FM	(-)	FM,1°,8.1	Fort Worth
HASLET	371 (F)	FMK,1°,8.1	Fort Worth
HENSLEY FIELD (Dallas)	396 (126.18)	CA	(4). 126.18
JOSHUA FM	(. . - - -)	FM,177°,27.7	Fort Worth
LOVE FIELD (Dallas)	278 (126.18) (118.9)	AC (ILS)	(4); 118.9,131.9,126.18
→ MEACHAM FIELD (Fort Worth)	272 (126.18) (118.7)	AC	(4);126.18,118.7,131.9
WAXAHACHIE FM	(. . - -)	FM,176°,27	Dallas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLC'S COMPASS LOCATORS)		
→ LOVE, TEXAS	110.3	335	140° Mag.	IM	MM ·--- (.70)	OM -- (4.35)
			360° Mag.		MMK 311 ·--- (.75)	OMK
MEACHAM, TEXAS				IM	MM	OM
			173° Mag.		MMK 356 ·---(.70)	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105.4495.6210 kcs.. (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available

AIRPORTS — OKLAHOMA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anaderko	1.5 SW;RR E	1260	20 S1	80 oct.
Bethany (Oklahoma City)	8WNW	1300	44h S6	80,91 oct.Pwr line S.
Bomhoff (Calumet)	4.1 SSE;hwy S	1448	25 S4	73,80,91 oct.
Caddo Flying Ser.(Ft.Cobb)	6 SE;hwy S	1250	16 S2	80 oct.
Chickasha	4 NNW;riv S	1140	37 L S6	80,91 oct.Flood,obst lgts.
Cimarron (Yukon)	4 WSW;hwy N	1350	20h	
El Reno	1.5 SW;RR N	1400	26 L S6	80 oct.Port rnwy lgts.
Geary	1.4 E;RR N	1300	21 S2	73 oct.
Gerthoeffner Co. Club (Oklahoma City)	7.3 S;hwy E	1270	19h S6	80 oct.
Lake View (Yukon)(RC)	2.7 E;RR N	1275	24	PRIVATE.Poles N,S.
Max Westheimer (Norman)	2.7 NW;RR E	1178	50h S2	80,91 oct.
Mustang (El Reno)	5.3 SSW	1400	52	
Ruckels (Oklahoma City)	7.2 SSW;hwy W	1265	30 S6	80 oct.Poles N,W,SW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page!!!!) (NC)-Not started. → NEW OR REVISED DATA

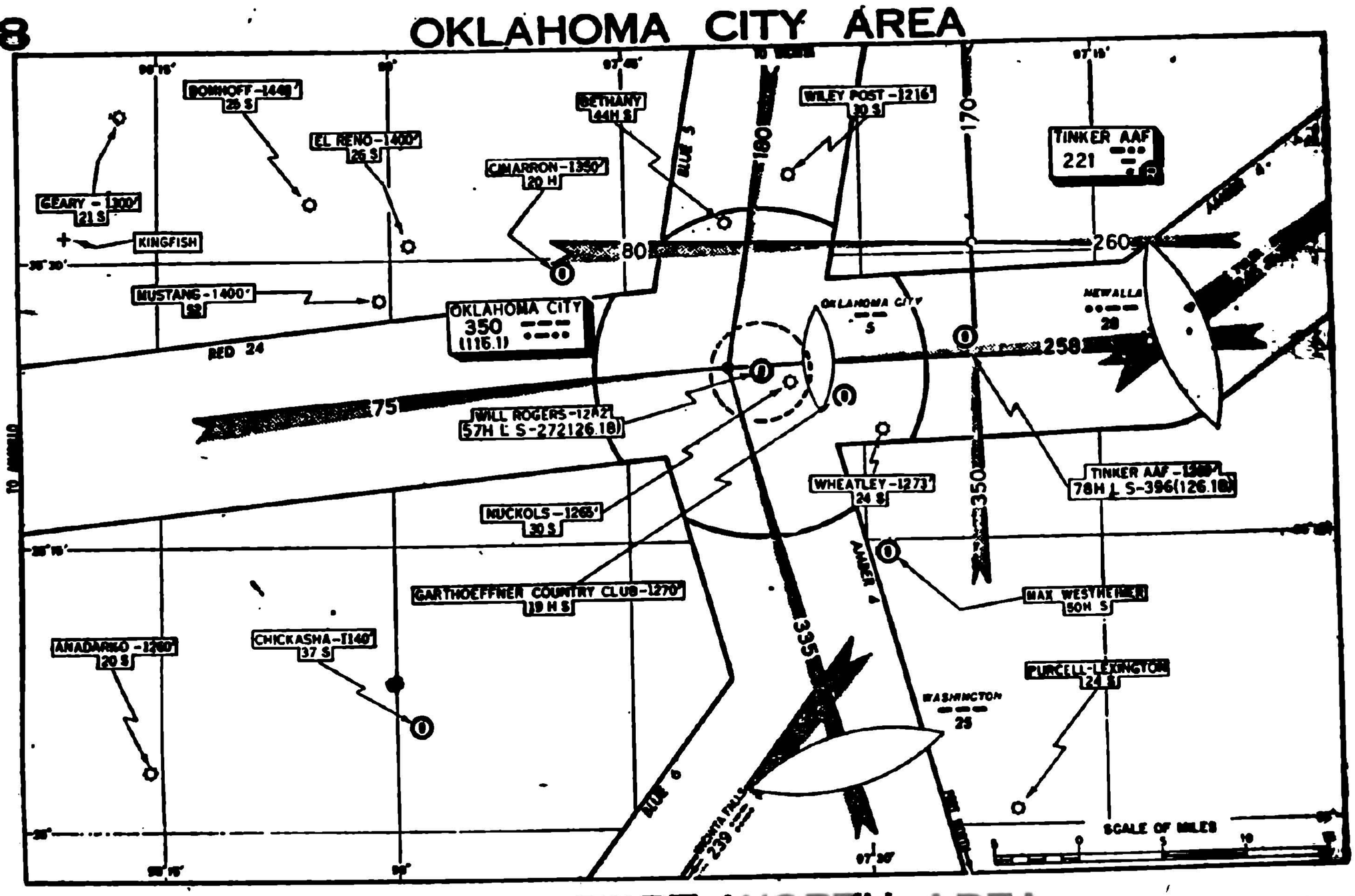
AIRPORTS — OKLAHOMA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Purcell-Lexington (Lexington)	0.8 WSW;riv W	1100	24 S2	80 oct.Trees S.SSW.SSE.
(A,N) Tinker (Oklahoma City)	8.5 SE;RR NE	1269	78h R2 L5 S6	62,91,100 oct.JP-1.NAFC. (A)
Wheatley Airpark (Moore)	0.6 NE;hwy W	1273	24 S6	73 oct.
Wiley Post (Oklahoma City)	7.9 NNW;hwy E	1216	30 S6	80,91 oct.Trees S.
WILL ROGERS (Oklahoma City)	7.5 SW;hwy E	1282	57h R2 L5 S6	80,91,100 oct.

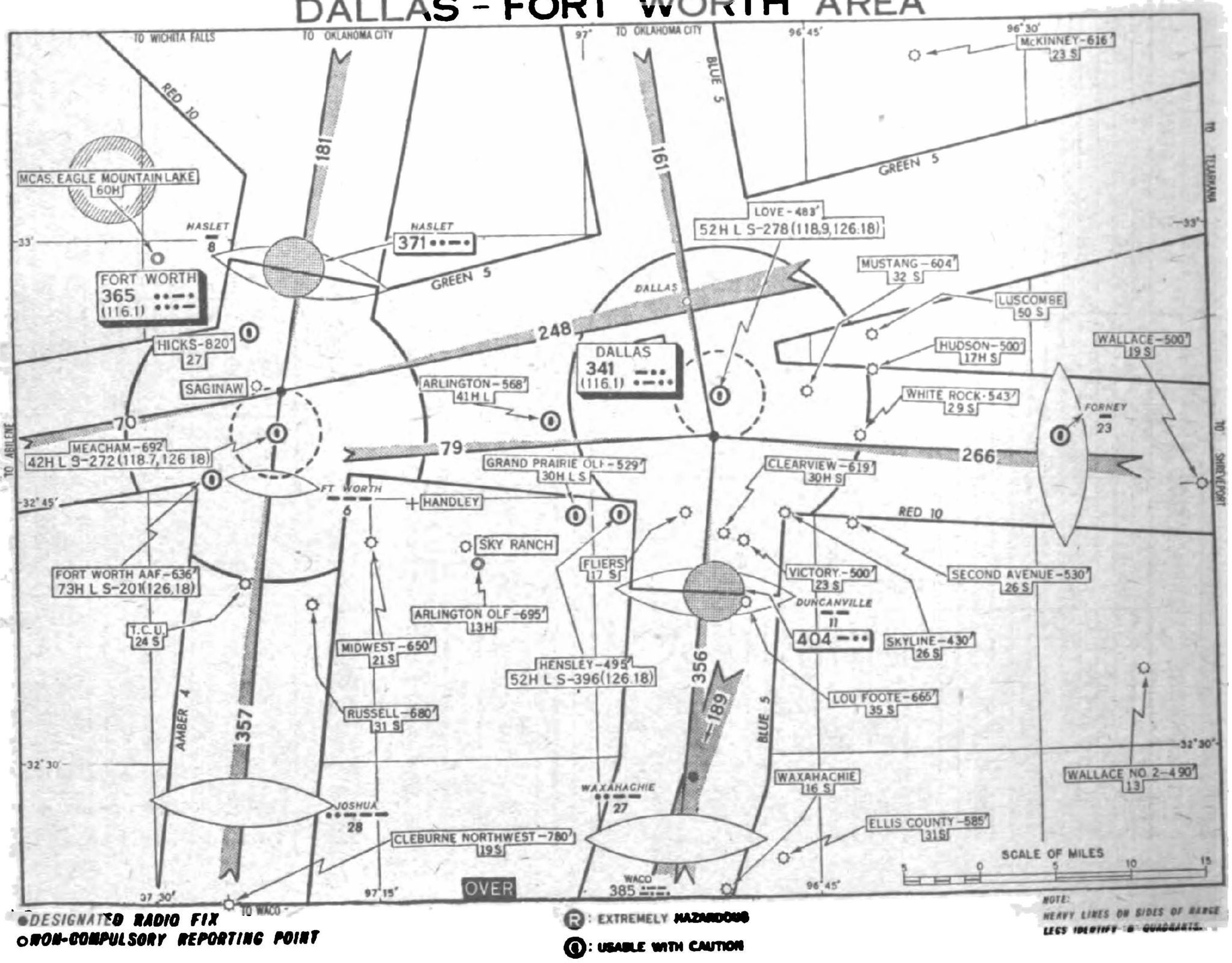
TEXAS

(N) Arlington-Midway	6.8 NNE;RR S	568	41h L5	Poles S.
(N) " OLP (N)	4 SSW;rd W	695	13h	
Clearview (Dallas)	5.1 SSW;RR N	619	30h S6	80,91 oct.
Cleburne Northwest	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
(N) Eagle Mtn Lake MCAS (Newark) (N)	1 SSE;RR NE	745	60h	INACTIVE.
Ellis Co. (Waxahachie)	3.5 NE;RR S	585	31 S2	73 oct.Pole line S.
Fliers (Dallas)	6.2 WSW;RR W	580	17 S4	80 oct.No sto.Trees S.
(A) Fort Worth AAF (A)	6.8 WNW;lake N	636	73h R1 L5 S6	73,91,100 oct.JP-1.
(N) Grand Prairie OLP (N)	1 WSW;RR N	529	30h L5 S4	73 oct.No ben.
Handley	0.6 NE;RR S	630	26 S6	73 oct.
(A,N) Hensley (Dallas)(A)(N)	11 WSW;hwy N	495	52h R1 L5 S4	73,91,100 oct.
Hicks (Fort Worth)	12.5 NNW;lk W	820	27	
Hudson (Dallas)	9.6 NE;RR SE	500	17h S6	80,91 oct.Pole line W.
Lou Foote (Dallas)	8.8 S;hwy E	665	35 S6	73,80,91 oct. Bldgs N,NE.
LOVE (Dallas)	5 NNW;RR SW	483	52h R3 L6 S6	73-100 oct. Poles S.
Luscombe (Garland)	2.2 WSW;RR N	610	50 S5	80 oct.No storage.
McKinney	2.1 S;hwy W	616	23 S2	80 oct.Poles E,W.
(P) MEACHAM (Fort Worth)	5.5 NNW;hwy NE	692	42h R2 L6 S6	73,80,91,100 oct.
Midwest (Fort Worth)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts.Pole line W.S.
Mustang (Dallas)	6 NNE;hwy NE	604	32 S6	80,91 oct.
(N) Russell (Fort Worth)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
Second Avenue (Dallas)	7 SE;RR N	530	26 S1	73,80 oct.Use strips.Poles S.
Skyline (Dallas)	3.2 SSE;riv E	430	26 S6	80,91 oct. Trees NW.
T. C. U. (Fort Worth)	6.6 SW;RR S	710	24 S6	80,91 oct.
Victory (Dallas)	4.6 S;hwy W	500	23 S6	73,80 oct.No sto.Pole line E.
Wallace (Terrell)	2 W;RR S	500	19 S2	80 oct.
Wallace #2 (Kaufman)	4 W;hwy N	490	13	
Waxahachie	1.5 SSW;hwys E	558	16 S1	73 oct.
White Rock (Dallas)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
Sky Ranch (Arlington)	3 SW; RR N	590	25 S2	80 oct.
Saginaw	0.5 WNW;RR E	790	26 S6	80,91 oct.
→ Kingfish (Hinton,Okla)	3 N; hwy N		19 S1	80 oct. Data Unverified.

OKLAHOMA CITY AREA



DALLAS - FORT WORTH AREA

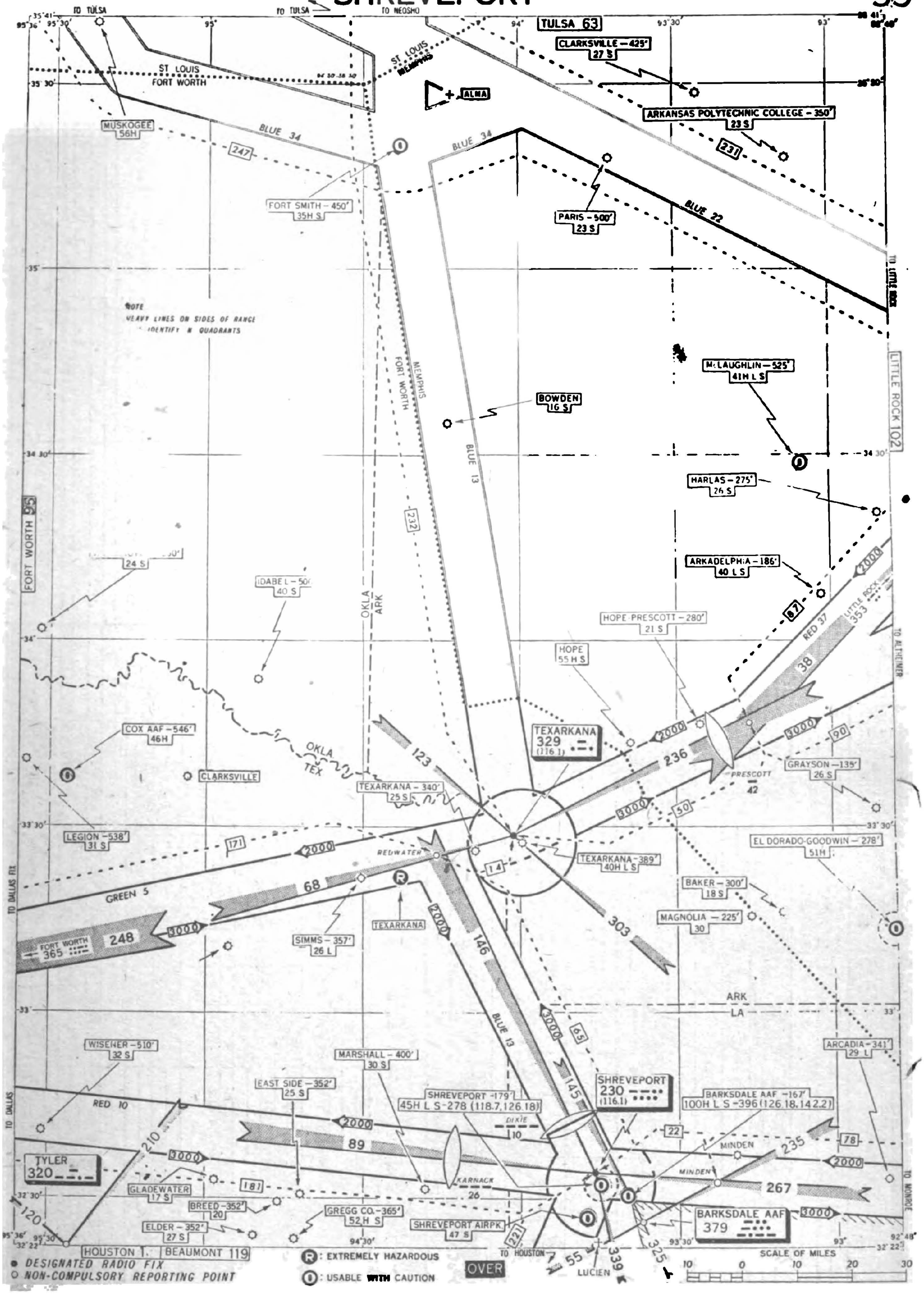


●DESIGNATED RADIO FIX
○NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓛ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 10 QUADRANTS.

SHREVEPORT


TO TULSA
TO TULSA
TO NEOSHO
TULSA 63
CLARKSVILLE – 425'
27 S
ARKANSAS POLYTECHNIC COLLEGE – 350'
23 S
231
ST LOUIS
FORT WORTH
ST LOUIS
MEMPHIS
ALMA
MUSKOGEE
56H
247
BLUE 34
BLUE 34
FORT SMITH – 450'
35H S
PARIS – 500'
23 S
BLUE 22
TO ST LOUIS
NOTE
HEAVY LINES ON SIDES OF RANGE
IDENTIFY N QUADRANTS
BOWDEN
16 S
BLUE 13
MEMPHIS
FORT WORTH
OKLA
ARK
232
M: LAUGHLIN – 525'
41H L S
LITTLE ROCK 102
HARLAS – 275'
26 S
FORT WORTH 95
24 S
IDABEL – 50(
40 S
ARKADELPHIA – 186'
40 L S
2000
67
RED 37
LITTLE ROCK
353
HOPE-PRESCOTT – 280'
21 S
HOPE
55 H S
TO ALTHEIMER
38
COX AAF – 546'
46H
CLARKSVILLE
OKLA
TEX
123
TEXARKANA
329
(116.1)
TEXARKANA – 340'
25 S
2000
236
3000
90
PRESCOTT
42
GRAYSON – 135'
26 S
3000
50
LEGION – 538'
31 S
171
2000
REDWATER
TEXARKANA – 389'
40H L S
14
EL DORADO-GOODWIN – 278'
51H
TO DALLAS FTX
GREEN 5
68
BAKER – 300'
18 S
MAGNOLIA – 225'
30
FORT WORTH
365
248
3000
SIMMS – 357'
26 L
TEXARKANA
2000
146
303
ARK
LA
BLUE 13
3000
65
ARCADIA – 341'
29 L
WISENER – 510'
32 S
MARSHALL – 400'
30 S
EAST SIDE – 352'
25 S
SHREVEPORT – 179'
45H L S – 278 (118.7, 126.18)
SHREVEPORT
230
(116.1)
BARKSDALE AAF – 167'
100H L S – 396 (126.18, 142.2)
RED 10
2000
89
DIXIE
10
22
MINDEN
235
78
2000
TO DALLAS
210
3000
181
KARNACK
26
MINDEN
267
TYLER
320
GLADEWATER
17 S
BREED – 352'
20
ELDER – 352'
27 S
GREGG CO. – 365'
52H S
SHREVEPORT AIRPK
47 S
BARKSDALE AAF
379
3000
TO MONROE
120
221
HOUSTON 1. | BEAUMONT 119
TO HOUSTON
55
339
325
LUCIEN
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
OVER

RADIO

ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT FM	(-)	FM, 56°, 42	Texarkana
TEXARKANA	329(TR)(116.1)	SBRAZ-VDT.123°,2	(4); 116.1

LOUISIANA

BARKSDALE(Shreveport)(Army)	379 (DBY)	SMRAZ	(3)
Barksdale Field.	396(126.18,142.2)	CA(ILS);325°,4.4	(3); 126.18,142.2
DIXIE FM	(- - - -)	FM, 326°, 10.2	Shreveport
SHREVEPORT	230(ZH)(116.1)	SBRAZ-VDT	(3); 116.1
Shreveport Airport	278(126.18,118.7)	AC; 146°, 1.8	(4); 142.74,131.9,118.7,126.18

TEXAS

KARNACK FM	(- - -)	FM, 269°, 26	Shreveport, La.
TYLER (Pounds)	320 (TQ)	BMRLZ-DT,120°,1.4	(4)

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)					
Barksdale, La.	110.3	335	323°Mag.	IM-	(.07)	MM-	(1.00)	OM-	(4.35)
						MMK-		OMK-	
Barksdale, La.	106.9		143°Mag.	IM-	(.25)	MM-	.....(.64)	OM-	-- (4.35)
						MMK-		OMK-	
				IM-		MM-		OM-	
						MMK-		OMK-	
				IM-		MM-		OM-	
						MMK-		OMK-	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3) 3105, 4495, 6210 kcs., (4) 3105, 4495 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alma	1.5 SE		22 S2	80 oct. Data unver.
Arkadelphia,24,DL-LV	1.5 ENE,RR N	186	40 L3 S6	80 oct.Pole line N, NW.
Arkansas Polytechnic (Russellville)	1.3 N,hwy W	350	23 S6	73 oct. Pole line SE.
Baker (Magnolia)	4.3 E,hwy S	300	18 S6	80, 91 oct.Pole line SW.
Bowden (Mena)	1 E,RR NW	1177	16 S1	73 oct.
Clarksville	2.5 E,hwy S	425	27 S1	80 oct.Pole line WSW.
(P) El Dorado-Goodwin (El Dorado)	8.6 W,hwy S	278	51h	
FORT SMITH	4 SSE,RR S	450	35h L3 S6	80 oct.150' stacks W.
Grayson (Camden)	3.4 SW,RR S	135	26 S6	80,91 oct. No sto.
Greig (Van Buren) (NC)	4.1 E,RR 1.5 N	450	13	
Harlas (Malvern)	2.1 WSW,RR SE	275	26 S1	73 oct. Power line NE.
Hope	5 NNW,RR E	359	55h L3 S6	80,91 oct.Lgts prior req.Use rnwy
Hope Prescott (Prescott)	3 SW,RR E	280	21 S6	80 oct.
(P) McLaughlin (Hot Springs)	3 SW,RR N	525	41h L5 S6	80 oct.Bldg,twr N.All lgts prior req.Avail.Army 0800-1600 week days only.
Magnolia	1.6 WSW,RR E	225	30	10' bldg SSW.
Norman (Ola)(NC)	1.8 NNE,hwy E	348	28	Pole line E.
Paris	1.8 NE,RR1 S	500	23 S1	73 oct.Pole lines W,E,SW.
TEXARKANA	4 NE,RR W	389	40h R1 L5 S6	80,91,100 oct.

LOUISIANA

* Arcadia Int,26,FV-AG	4.5 E,RR S	341	29 L3 S2		No fuel. Pole line SW.
(A) Barksdale (Shreveport)(A)	5.8 E,riv W	167	100h R3 L5 S4		73,91,100 oct. JP-1.
Cross Lake (Shreveport)	7 WNW,RR NE	210	40		CAUTION. Data unver.
Lucien (Shreveport)	7 S	205	31 S4		80 oct.Data unver.
Minden	1.5 W,RR S	200	26 S4		80 oct.Trees sur fld.
Northeast Aviation (Bastrop)	2 WSW	90	17 S4		80 oct.No sto. Data unver.
(P) SHREVEPORT	2.5 NNE,riv E	179	45h R2 L5 S6		73,80 oct.
Shreveport Airpark	4.5 SSW,bet RRs	300	47 S6		80,91 oct.Pole line SE.

OKLAHOMA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Heavener (NC)	2 N,hwy W	575	27	
Idabel	1.3 NW,RR E	500	40 S2	80 oct.
(P) Muskogee	5.5 S,RR W	610	56h	Hill SW.
Nashoba (NC)	0.8 SE,riv S	625	13	PRIVATE.
Poteau (NC)	1.5 SSW,hwy W	460	15	
Weddington (Hugo)	1.9 NW,hwy SW	550	24 S1	80 oct. Pole line E.

TEXAS

Breed (Longview)	2 W,RR N	352	20	Pole line around fld.
Clarksville	2.8 NNW,RR SW	480	20 S6	73,80 oct.
(A) Cox AAF (Paris)(A)	6.5 ESE,RR N	546	46h	INACTIVE.
East Side (Longview)	2.4 NE,RR S	352	25 L S6	80,91 oct.Port rnwy lgts. Pole line S.
Elder (Kilgore)	2.5 NE,RR E	352	27 S6	80,87,91 oct.Pole line W.
Gladewater	2 WNW,RR S	550	17 S6	73 oct.No sto.Pole line N,S.
(P) Gregg County(Longview)	7.2 S,riv N	365	52h S1	80, 91 oct.
Holmes (Gilmer)(NC)	4 N,RR W	370	23	Pole line W. Cattle on fld.
Legion (Paris)	1.9 NW,RR E	538	31 S6	80 oct.Pole line E.
Mt. Pleasant	2.8 ENE,RR S	393	20 S1	80 oct.
Marshall	3.9 SE,hwy N	400	30 S6	73 oct. Pole line N.
* Simms Int, 14, DL-LV	1 NE,hwy E	357	26 L3	Pole line E, S.
Texarkana	6 W,RR N	340	25 L S6	80, 91 oct.Flare pots in emerg
Wisener (Mineola)	1.5 NW,hwy S	510	32 S2	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). ➔ New or revised data

RADIO — ARKANSAS

LOCATION	FREQ.. IDENT.	STA. CLASS, BEAR & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
ADAMS FIELD (Little Rock)	278 (126.18,118.5)	C	(4): 126.18,118.5,131.9,142.74
BRUINS FM	(- - - -)	FM, 240°, 24	Memphis, Tenn.
LITTLE ROCK (Adams Field)	353 (LI)(116.1)	SBRAZ-VDT, 313°, 3.9	(3); 116.1
STUTTGART	269 (DSA)	MRLWZ, 173°, 4.7	
LOUISIANA			
MONROE (Selman)	359 (UO)(116.1)	SEMRLZ-VDT, 25°, 2.8	(4); 116.1
MISSISSIPPI			
FLORA FM	(-)	FM, 356°, 13	Jackson
GREENWOOD	281 (GD)(116.1)	BMLZ-VDT, 265°, 1.9	(4), 116.1
JACKSON	260 (JA)(116.1)	SBRAZ-VDT, 173°, 2.4	(3), 116.1
NESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
VICKSBURG	382 (VS)(116.1)	MHVT	(4), 116.1
TENNESSEE			
CUBA FM	(-)	FM, 356°, 20.5	Memphis

S-Simultaneous Range and Voice. W-Without Voice. Z-VHF Station Location Marker at Range Station. (3) 3105, 4195, 6210 kcs. (4) 3105, 4195, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available

AIRPORTS — ARKANSAS

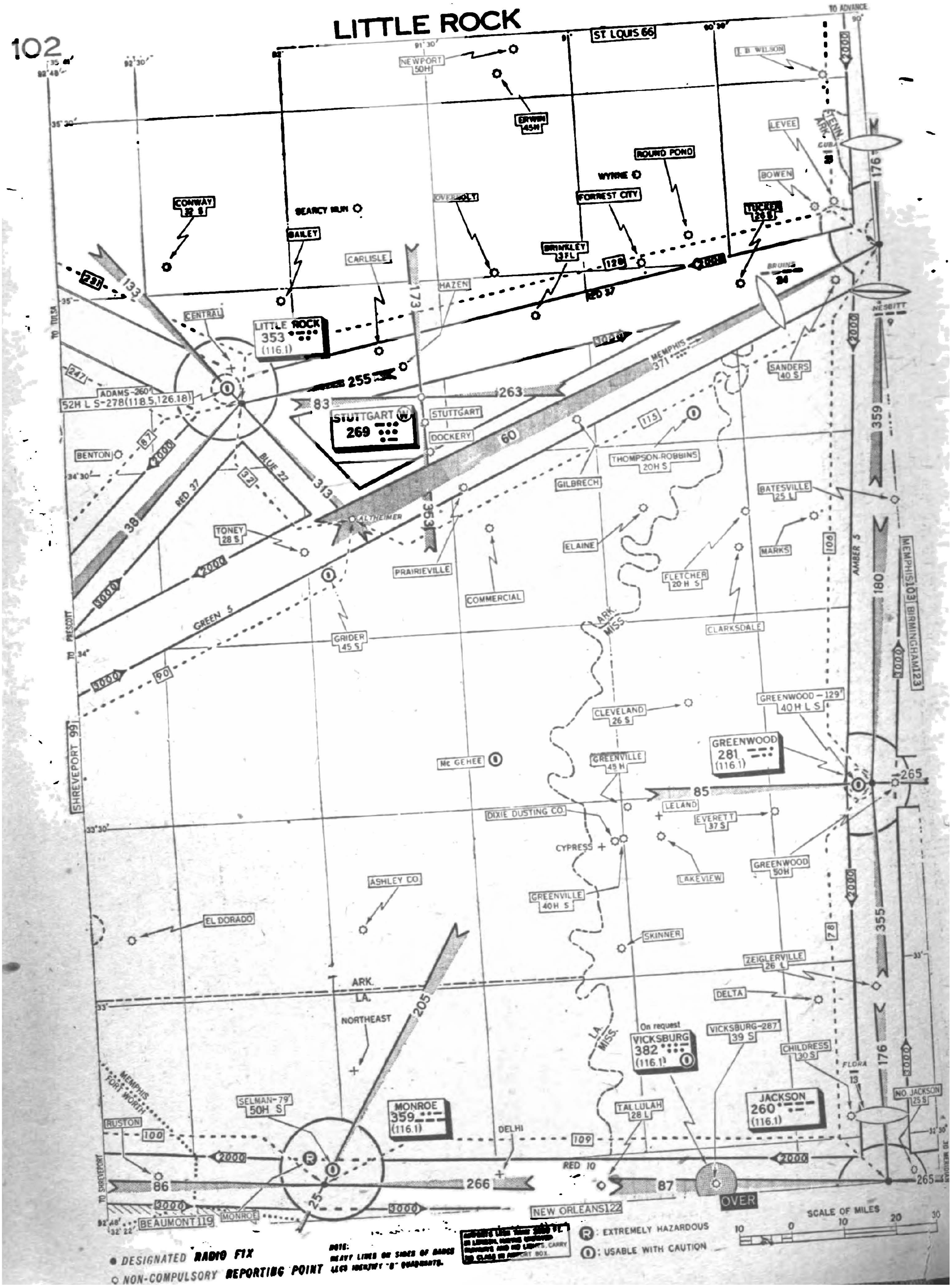
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) ADAMS (Little Rock)	4 E, RR W	260	52h R2 L5 S6	80,91 oct., 73,100, JP-1 mil. acft.
Ashley Co. (Crossett)	5.5 NE, RR E	160	21 S1	Ltd 80 oct. Obsts surround fld.
Bailey (Cabot)	0.5 W, RR E	270	16 S1	80 oct. Trees surround fld.
Benton	1.6 W, RR S	300	20 S6	80 oct. Poles S.
Bowen (West Memphis)	1.5 W, hwy N	215	17 L S6	80 oct. Flood lgts.; port rnwy lgts. Poles SE.
→ Brinkley, 37, DL-LV	1 E, RR N	188	31 L3 S1	80 oct days. Obst NW.
Carlisle (Stuttgart)	26 NW, RR S	236	45h	
Central (Little Rock)	4.5 NE, RR S	255	35 S4	80 oct. Trees W. Data unver.
Commercial (De Witt)	2.4 W, RR N	196	24 S4	80 oct. Poleline E.
Conway	1.5 SE, hwy W	309	32 S6	80 oct.
Dockery (Stuttgart)	1.5 NNW	214	24 S2	73,80 oct. Pole line N,S,E.
Elaine	1.3 N, RR E	170	18 S2	80 oct. Trees S, SE.
EL DORADO	1.5 S, RR W	265	24 S4	80 oct.
Erwin (Newport)	2.5 SSE	220	45h	
Forrest City	0.7 W, hwy SE	226	22 S2	80 oct. Bldg S.
Gilbrech (Palmer)	0.2 NE, RR S	178	17 S2	80 oct. N-S strip rough. Poles W.
Grider (Pine Bluff)	5.5 SE, hwy N	210	45 L S6	73,80 oct. Port rnwy lgts.
Hazen (Stuttgart)	18.7 NNW, RR N	225	45h	
J.B. Wilson (Joiner)	0.5 ENE, hwy W	225	15	Trees NE.
Levee (West Memphis)	2.4 E, RR N	215	24 L S4	Ltd 73 oct. Port rnwy lgts. Poleline N, S.
McGehee	0.6 NNW, RR E	145	30 S1	80 oct. Hwy E.
Newport	6 ENE, hwy N	237	50h	
Overholt (Cotton Plant)	3 W, RR NE	250	18 S1	Ltd 80 oct.
Prairieville (Stuttgart)	8.2 SE	205	45h	
Round Pond	1.5 NNW, hwy N	200	22 S2	80 oct.
Searcy	2.8 S, RR E	260	14 S1	80 oct. Pole line NE, SE
Stuttgart	7 N, RR E	230	50h	
Thompson-Robbins (Helena)	6 NW, RR S	242	20h S6	73, 80 oct.
Tony (Pine Bluff)	2.5 N, hwy W	215	28 S2	73,80 oct. Twr NW lgtd.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

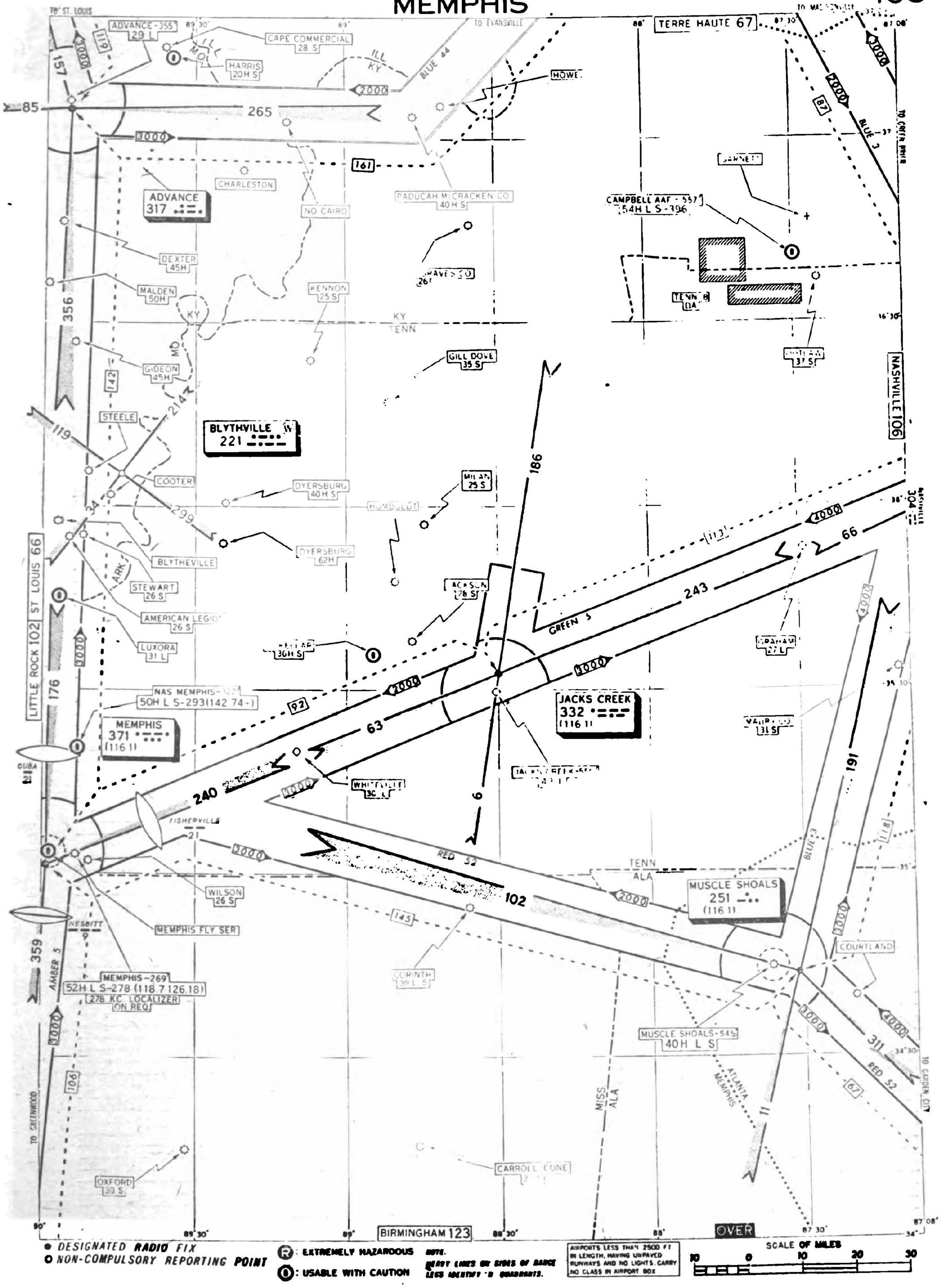
ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Tucker (Hughes)	1.1 S, RR W	205	26 S2	80 oct.
Wright (Monticello)	1 ENE, hwy S	230	15	Pole line S.
Wynne	3.2 N, RR E	212	17 S2	80 oct. Pole line E, SE.
LOUISIANA				
Delhi Flying Service (Delhi)	0.5 N	95	23 S4	80 oct. Poleline E. Data unver.
Monroe Airpark	2.5 N, riv W	77	20 S4	73 oct.
→ Ruston	1.2 SE, RR N	317	32 L S6	80,91 oct. Lgts prior req. 1600' rnwy hard surface.
→ SELMAN (Monroe)	4.6 E, RR N	79	50h R1 S6	80,91 oct.
* Tallulah Int, 36, FV-AG	2.4 ENE, RR S	84	28 L3	Beacon S.
MISSISSIPPI				
Augustine (Jackson)(NC)	11.5 NE, riv SE	335	40	
* Batesville Int, 29, NO-LS	3 W, hwy SE	205	25 L3	Poles N, lgtd.
Canton (NC)	1.4 WNW, RR E	300	38	Tank E.
Childress (Flora)	1.5 NNW, RR E	186	30 S1	73 oct. Trees, bldg N
Clarksdale	1.5 SE, hwy NW	175	22 S6	73 oct. Use strips only.
Cleveland	2 NW, hwy S	400	26 S6	73 oct.
Cole (Heads)(NC)	3 NE, RR W	118	16	
Cypress (Greenville)	1.5 SSW, lake E	120	28 S1	80 oct. Data unver.
Delta (Yazoo)	3.3 NNE, RR SE	115	21 S1	73 oct. Pole line N.
Dixie Dusting Co. (Greenville)	2 SE, RR, hwy N	118	16 S4	73 oct. No sto.
Everett (Moorhead)	1 SE, RR N	127	37 S6	73 oct. No sto.
Fletcher (Clarksdale)	8 NNE, RR W	175	20h S6	80, 91 oct.
→ Greenville, mun.	3,5 ESE, hwy N	118	40h S1	80, oct.
Greenville	6.5 NE, road W	131	45h	
GREENWOOD, mun.	2.3 SW, RR SE	129	40h R1 L5 S2	73,80 oct. Pole line E, SE.
Greenwood	5.8 ESE, hwy N	162	50h	
Lakeview Airpark (Leland)	1.7 SE, lake E	120	18 S4	73 oct. No sto. Data unver.
Leland	3 NNE		23 S4	80 oct. No sto. Pwrline NW Data unver.
Marks	1.5 NW, hwy N	106	22 S1	73 oct.
North Jackson Arpk. (Jackson)	7.5 NE, hwy E	300	25 S4	80 oct. No sto. Trees S.
Sanders (Walls)	1.8 S, hwy NW	210	40 S6	73,80 oct. Trees E.
Skinner (Glen Allan)	4 N, lake W	110	18 S1	73 oct.
Vicksburg	6.8 NE, hwy W	287	39 R1 S4	80,91 oct.
* Zeiglerville Int, 19, NO-LS	3 SW, riv N	248	26 L2	Twr SE. Trees E, S, SE.

LITTLE ROCK


TO ADVANCE
ST LOUIS 66
NEWPORT 50H
ERWIN 45H
L B WILSON
LEVEE
ST FRANCIS R.
CUBA
ROUND POND
WYNNE
FORREST CITY
BOWEN
TUCKER 23 S
CONWAY 32 S
SEARCY MUN
BAILEY
OVERCUP
BRINKLEY 33FL
CARLISLE
HAZEN
BRUNO 34
NESBITT
CENTRAL
LITTLE ROCK 353 (116.1)
ADAMS-260
52H L S-278(118.5,126.18)
STUTTGART
269
STUTTGART
DOCKERY
MEMPHIS 371
SANDERS 40 S
BENTON
RED 37
BLUE 22
ALTHEIMER
GILBRECH
THOMPSON-ROBBINS 20H S
BATESVILLE 25 L
TONEY 28 S
PRAIRIEVILLE
COMMERCIAL
ELAINE
FLETCHER 20H S
MARKS
AMBER 3
MEMPHIS 103 BIRMINGHAM 123
GRIDER 45 S
ARK. MISS
CLARKSDALE
GREEN 5
TO PRESCOTT
TO TULSA
SHREVEPORT 99
CLEVELAND 26 S
GREENWOOD – 129'
40H L S
GREENWOOD 281 (116.1)
Mc GEHEE
GREENVILLE 45 H
DIXIE DUSTING CO.
LELAND
EVERETT 37 S
CYPRESS
LAKEVIEW
GREENWOOD 50H
ASHLEY CO.
EL DORADO
GREENVILLE 40H S
SKINNER
ZEIGLERVILLE 26 L
DELTA
ARK. LA.
NORTHEAST
On request
VICKSBURG 382 (116.1)
VICKSBURG-287 39 S
CHILDRESS 30 S
FLORA
NO. JACKSON 25 S
JACKSON 260 (116.1)
TALLULAH 28 L
MEMPHIS FORT WORTH
SELMAN-79 50H S
MONROE 359 (116.1)
RUSTON
DELHI
RED 10
OVER
BEAUMONT 119
MONROE
NEW ORLEANS 122
SCALE OF MILES
R: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF BORDER
LEAD INDUSTRY "B" BOUNDARYS.

MEMPHIS


TO ST. LOUIS
ADVANCE-355
29 L
CAPE COMMERCIAL
28 S
HARRIS
20H S
TO EVANSVILLE
BLUE 44
HOWE
TERRE HAUTE 67
TO MACKINAW
TO GRIFFIN RMTR
BLUE 3
DENVER
CAMPBELL AAF - 357
54H L S-396
TENN
ILL
MO
KY
85
265
157
161
87
CHARLESTON
ADVANCE
317
NO CAIRO
PADUCAH McCRACKEN CO
40H S
DEXTER
45H
MALDEN
50H
KENNON
25 S
KY
TENN
356
GIDEON
45H
142
214
MO
GILL DOVE
35 S
NASHVILLE 106
STEELE
BLYTHVILLE
221
119
COOTER
DYERSBURG
40H S
HUMBOLDT
MILAN
25 S
186
34
299
DYERSBURG
62H
BLYTHEVILLE
ARK
STEWART
26 S
AMERICAN LEGIO
26 S
LUXORA
31 L
ACKSON
28 S
MILAN
36H S
LITTLE ROCK 102 ST LOUIS 66
176
NAS MEMPHIS-
50H L S-293(142.74-)
MEMPHIS
371
(116.1)
JACKS CREEK
332
(116.1)
92
63
6
240
WHITEVILLE
FISHERVILLE
21
RED 52
102
145
WILSON
26 S
MEMPHIS FLY SER
NESBITT
9
359
AMBER 5
MEMPHIS-269
52H L S-278 (118.7 126.18)
278 KC LOCALIZER
ON REQ
CORINTH
39 L S
TENN
ALA
MUSCLE SHOALS
251
(116.1)
MUSCLE SHOALS-545
40H L S
COURTLAND
311
191
118
TO GREENWOOD
106
OXFORD
30 S
CARROLL CONE
MISS
ALA
ATLANTA
MEMPHIS
11
67
BIRMINGHAM 123
OVER
90°
89°30'
89°
88°30'
88°
87°30'
87°08'
34°
34°30'
35°
3000
2000
4000
5000
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE.
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY "R" QUADRANTS.
AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS IN AIRPORT BOX
SCALE OF MILES
30 20 10 0 10 20 30

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
MUSCLE SHOALS	251 (ED)(116.1)	SBRAZ-VDT, 282°, 4.5	(4); 116.1
ARKANSAS			
BLYTHEVILLE	221 (LY)	RLWZ, 224°, 13.6	
KENTUCKY			
CAMPBELL AAF (Hopkinsville)	396	CA	(3) 7-21)
MISSISSIPPI			
NESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
MISSOURI			
ADVANCE (Int.)	317 (AP)	SBMRAZ-LT, 354°, 1.5	(4)
TENNESSEE			
CUBA FM	(-)	FM, 356°, 20.5	Memphis
PISGERVILLE FM	(- -)	FM, 44°, 20.5	Memphis
JACKS CREEK (Int.)	332 (JK)(116.1)	SMRLZ-VDT, 166°, 2.62	(4); 116.1
MEMPHIS	121 (PS)(116.1)	SBRAZ-VDT	(3); 116.1
→ Memphis Airport	278 (126.16)(118.7)	AC(CL); 354°, 2.1	(4); 131.9, 119.7 for Memphis Twr to Aircraft
Memphis Airport	276	MLW	(On request only)
Memphis NAS	233 (142.74)	CN	320; 142.74 (6-24)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ Memphis, Tenn.	109.9	333.8	90°Mag.	IM-	MM-	OM- -- (4.9)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ALABAMA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Courtland	1.5 SW; RR N	587	50h	
Muscle Shoals	1.5 E; dam NNW	545	40h R1 L5 S6	80, 91 oct.
ARKANSAS				
American Legion (Blytheville)	1.5 ESE; RR N	260	26 S6	80 oct. Pole line N, W, Stack E.
Coster (Blytheville)	10 NE	260	40h	
★ Luxora Int, 39, MO-LS	1 WNW; hwy S	240	31 L2	
Steele (Blytheville)	12.3 N	258	40h	
Stewart (Blytheville)	2.2 E; RR S	254	26 S2	80 oct.
Blytheville	3 NW; RR SW	264	50h	
ILLINOIS				
North Cairo (Cairo)	3 NNW; RR E	312	24 S4	73 oct.
KENTUCKY				
(A) Campbell AAF (Hopkinsville)(A)	12.8 S; RR E	557	54h R1 L5 S4	73,100 oct.
Garnett (Hopkinsville)	6 SSE; hwy W		23 S1	80 oct. Data not verified.
Howell (Paducah)	4 WNW; RR S	371	21 S6	80 oct.
Mayfield-Graves County	3.6 ENE; hwy S	543	26	
PADUCAH-McCRACKEN CO. (Paducah)	8.8 W; RR N	405	40h S6	80, 91 oct. No sto.
MISSISSIPPI				
Carroll Cone (Tupelo)	3 W; hwy S	278	37 S1	80 oct.
Corinth 7, PS-TM	5 WSW; hwy N	418	39 L3 S4	80,91 oct.
Oxford	5 S; riv N, W	400	30 S2	73 oct.
MISSOURI				
★ Advance Int, 48, MO-LS	0.8 WSW; RR S	355	29 R1 L3	
Cape Commercial (Cape Girardeau)	4.8 SW; RR S	340	28 S6	80,91 oct. 8' dike S.
Dexter (Malden)	12.5 NNE	315	45h	
Harris (Cape Girardeau)	6.5 SSW; hwy E	340	20h S6	80, 91 oct.
Harvey Parks (Sikeston)(NC)	2 NE; RR S	315	66	Pole line W. Allway area.
Malden	3.5 NW; RR E	296	50h	
Gideon (Malden)	1 SE of Gideon	260	45h	
TENNESSEE				
Dyersburg	9 S; RR E	289	62h	
Dyersburg, mun.	2 SW; riv W	337	40h S4	80 oct. No sto.
Embry Riddle (Union City)	5 ESE; riv WNW	349	18h	Allway: 4620 x 3960',
Gill-Dove (Martin)	3.5 S; hwy E	416	35 S6	80 oct.
★ Graham Int, 59, DL-LV	1.5 NW; hwy E	536	27 L3	
Humboldt	4.6 ESE; hwy W	380	15 S1	80 oct.
★ Jacks Creek Int, 53, DL-LV	2 N; hwy E	550	43 R1 L3	
Jackson	2.5 ENE; hwy NW	450	28 S6	80 oct.
Kennon (Union City)	3.2 WSW; hwy W	350	25 S6	80 oct. No sto. Pole line N.
(P) McKellar (Jackson)	5.8 W; RR S	410	36h S6	80 oct.
Maury County (Mt. Pleasant)	2.5 ENE; RR SW	672	31 S2	80 oct. Pole line NW.
→ (A) MEMPHIS	5.9 SSE; RR NE	269	52h R3 L6 S6	73, 91, 100 oct. JP-1. Radio required.
Memphis Flying Service (Memphis)	11 SE; RR 3 NW	286	35 L4 S6	80,91 oct. Pole line S. No ben. Lgts prior req.
(N) Memphis NAS (N)	16 NNE; RR NW	322	50h R1 L5 S6	91, 100 oct. NATS. Rnyw, lgtg info not ver.
Milan	2.8 NNE; RR SE	421	25 S5	80, 91 oct.
Outlaw (Clarksville)	7.4 NNW; RR W	550	37 S5	80 oct.
Wilson (Memphis)	11.5 SE; hwy W	320	26 S6	73 oct.
★ Whiteville Int, 49, DL-LV	0.6 NNW; RR E	494	30 L3	
Charleston (Mo.)	1 ESE; RR NW	300	31 S2	80 oct. Poles S.

h-hard surfaced runways R-radio facilities. L-lighting facilities. S-servicing. (See page III) (NC)-Not charted. → NEW OR REVISED DATA

NASHVILLE

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
GARDEN CITY FM	(. . -)	FM, 358°, 26	Birmingham
KENTUCKY			
BOWLING GREEN	368 (BA)	SBMRAZ-DT, 296°, 3.8	(4)
TENNESSEE			
BERRY FIELD (Nashville)	278(118.3,126.18)	AC (ILS)	(4);126.18.118.3,131.9.
CHATTANOOGA	341 (CB)(116.1)	SBRAZ-VDT	(4):116.1
Chattanooga-Lovell Field	278	C, 203°, 3	(4)
FAIRVIEW FM	(- - -)	FM, 246°, 28	Nashville
GREEN BRIER FM	(- - - -)	FM, 331°, 23	Nashville
KINGSTON FM	(- - - -)	FM, 276°, 27.5	Knoxville
MT. JULIET FM	(-)	FM, 66°, 9.6	Nashville
NASHVILLE (Berry)	304 (NA)	SBRAZ-DT, 245°, 2.6	(3)
SMITHVILLE (Int)	347 (XM)(116.1)	SBMRAZ-VDT, 177°, 1.4	(4):116.1
SMYRNA AAF (Nashville)	219 (126.18)	CA (ILS)	(3):126.18
WALTERHILL FM	(- -)	FM, 129°, 19.6	Nashville

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BERRY, TENN.	109.9		14° Mag.	IM (.15)	MM (.81)	OM (4.17)
					BMK	OMK
SMYRNA AAF, TENN.	109.5	335	230° Mag.	IM (.04)	MM ..... (.81)	OM -- (4.31)
					BMK	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Albertville	1 NW;RR NE	1063	15 S1	80 oct.
Athens	3.2 NNW;hwy E	690	26 S2	80 oct. Lgt acft only.
Beaver Dam (Decatur)(NC)	7 E;RR W	580	20	
Centre (NC)	0.6 NNW;RR E	720	23	
Cullman	5 SSE;RR E	740	15 S2	73 oct.
Decatur	4 WNW;hwy N	577	19	Pwr line N.
Gadsden	1.9 SW;hwy N	540	20 S2	80 oct. Fld rough.
Guntersville Dam (NC)	9.1 NW;hwy E	600	30	
Hartselle	1 WSW;hwy N	588	18	
HUNTSVILLE	3.1 S;RR E	610	40h S1	80 oct.
(A) Arsenal (A)	7 SW;RR NW	677	56h	
North Sauty Base (Scottsboro)	3.2 SSW;RR NNE	610	20 S1	80 oct.
Pryor (Decatur)	4 NNE;hwy W	588	46 S4	80,91 oct.

GEORGIA

Cedartown	1 W;road S	850	25 S4	80 oct. Pole lines N,W; hill SW.
Clevenger's Airpark (Marietta)	5 NE;RR W	1080	14 S4	Ltd 80 oct. No storage.
Dalton	5.7 ESE	700	22 S1	80 oct.
Felton (Cartersville)	2.5 N	790	23	Hills S,W,N; wires E,W.
Jasper	1 N;RR W	1935	17 S2	80 oct.
La Fayette-Trion (Trion)	3 NNE;RR W	722	21 S1	80 oct. Hwy E.
Rockmart	2 ENE;RR W	800	20 S1	80 oct. Pole line W.
Rome	3 NW;RR S	669	25 S6	80 oct. No storage.
(P) Russell (Rome)	7 N;hwy W	644	45h	

KENTUCKY

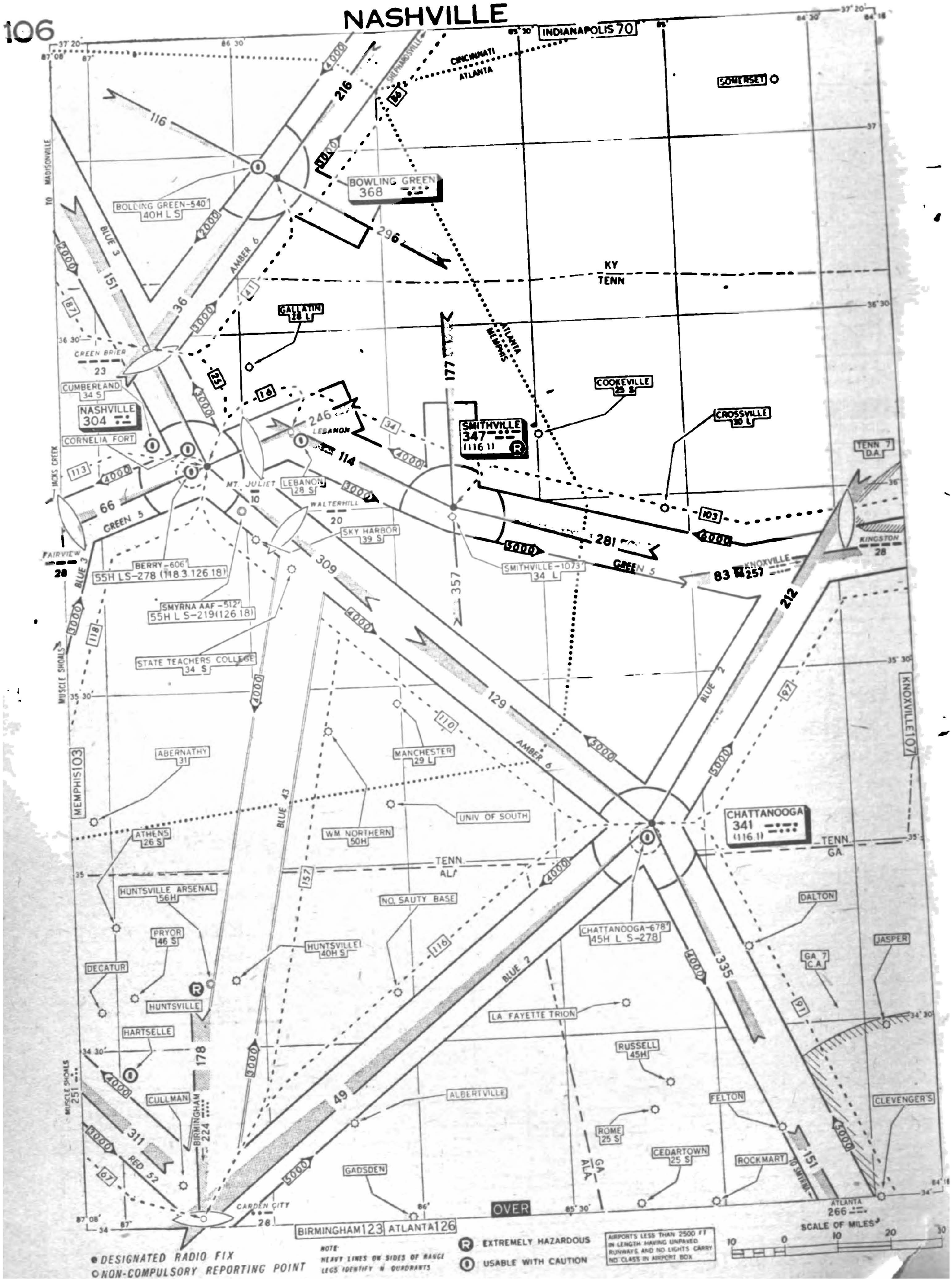
(P) Bowling Green	2.5 SSE;hwy W	540	40h R1 L5 S4	80,91 oct.No sto.Fld lgts prior req.
Somerset	5 N; RR W		20 S2	80 oct. Data not verified.

TENNESSEE

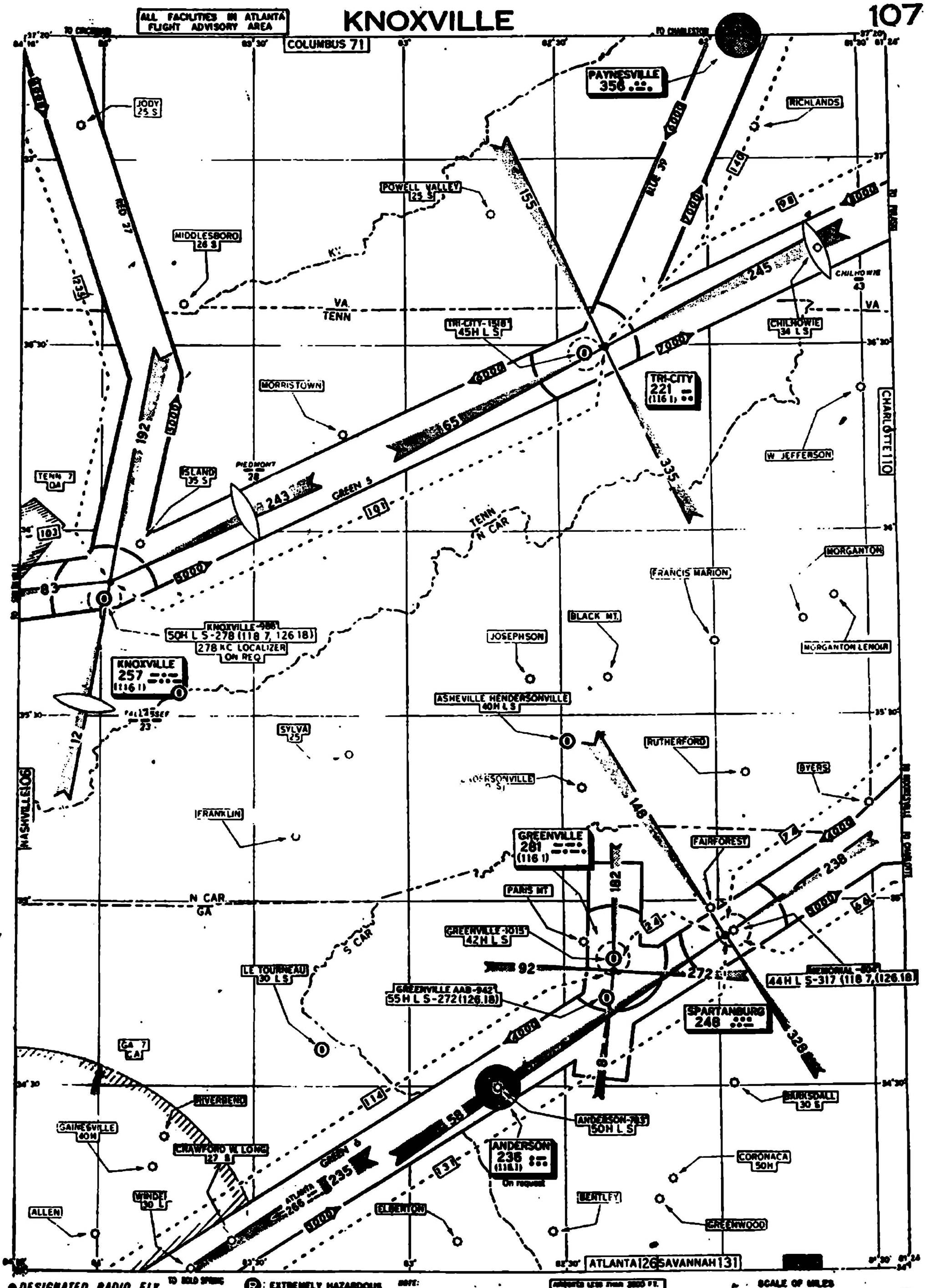
Abernathy (Pulaski)	3.6 SSW;hwy NE	650	31 S1	80 oct. Trees E.
(P) BERRY (Nashville)	6 SE;hwy S	606	55h R3 L6 S6	73,100 oct.
Boyd (McMinnville)(NC)	4.6 SW;RR W	1000	20	
CHATTANOOGA	5.5 E;RR E	678	45h R2 L5 S6	80,91 oct.
Cookeville	1.5 NNE;RR W	1050	25 S4	80 oct. Sto in emerg. Poles W.
Cornelia Fort (Nashville)	4 ENE;riv E	420	30 S6	80 oct. Data not verified.
Crossville,9,NA-WA	3.3 WNW;hwy S	1862	30 L3	
Cumberland (Nashville)	3 NNW;riv N	400	34 S6	80 oct. No storage.
★ Gallatin Int,66,DL-LV	1.5 NW;hwy NE	557	28 L3	
Lebanon	1.8 SW;hwy E	522	28 S6	73 oct. No storage.
★ Manchester Int,16A,AQ-NA	4.5 ESE;hwy SW	1090	29 L3	53' trees. W,N.
Sky Harbor (Murfreesboro)	7.3 NW;hwy SW	560	39 S6	73 oct. No storage. Poles NE.
★ Smithville Int,5,NA-WA	1 E;road S	1073	34 R1 L3	
(A) Smyrna AAF (Nashville)(A)	17 SE;RR SW	512	55h R3 L5 S6	73,91,100 oct. JP-1. No rng.
State Teachers College(Murfreesboro)	2 E;hwy N	600	34 S4	80 oct. No storage. Poles N.
University of South (Cowan)	1.8 WNW;RR NE	870	23 S2	80 oct.
William Northern (Tullahoma)	2 WNW;road S	1081	50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

NASHVILLE


INDIANAPOLIS 70
CINCINNATI
ATLANTA
SOMERSET
BOWLING GREEN
368
BOWLING GREEN-540
40H L S
GALLATIN
28 L
KY
TENN
NASHVILLE
304
CUMBERLAND
34 S
GREEN BRIER
23
CORNELIA FORT
MT. JULIET
LEBANON
28 S
LEBANON
SMITHVILLE
347
(116 I)
COOKEVILLE
25 S
CROSSVILLE
30 L
TENN 7
D.A.
KINGSTON
28
KNOXVILLE
257
SMITHVILLE-1073'
34 L
WALTERHILL
20
SKY HARBOR
39 S
BERRY-606'
55H LS-278 (118.3 126.18)
SMYRNA AAF-512'
55H L S-219(126.18)
STATE TEACHERS COLLEGE
34 S
FAIRVIEW
28
JACKS CREEK
MUSCLE SHOALS
251
TO MADISONVILLE
ATLANTA
MEMPHIS
ABERNATHY
31
ATHENS
26 S
HUNTSVILLE ARSENAL
56H
PRYOR
46 S
DECATUR
HUNTSVILLE
HARTSELLE
CULLMAN
BIRMINGHAM
224
MANCHESTER
29 L
UNIV OF SOUTH
WM NORTHERN
50H
NO. SAUTY BASE
HUNTSVILLE
40H S
BLUE 43
TENN.
ALA.
CHATTANOOGA
341
(116 I)
TENN.
GA.
CHATTANOOGA-678'
45H L S-278
LA FAYETTE TRION
RUSSELL
45H
ALBERTVILLE
ROME
25 S
CEDARTOWN
25 S
FELTON
ROCKMART
DALTON
GA 7
C.A.
JASPER
CLEVENGER'S
KNOXVILLE 107
MEMPHIS 103
GADSDEN
CARDEN CITY
28
ATLANTA
266
BIRMINGHAM 123
ATLANTA 126
OVER
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 4 QUADRANTS
R EXTREMELY HAZARDOUS
O USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT IN LENGTH HAVING UNPAVED RUNWAYS AND NO LIGHTS CARRY NO CLASS IN AIRPORT BOX

KNOXVILLE


ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA
COLUMBUS 71
TO CHARLESTON
PAYNESVILLE 356
RICHLANDS
JODY 25 S
POWELL VALLEY 25 S
MIDDLESBORO 26 S
VA
TENN
TRI-CITY-1518 45H L S
CHILHOWIE 34 L S
TRI-CITY 221 (116 1)
MORRISTOWN
W JEFFERSON
CHARLOTTE 110
TENN 7 04
ISLAND 35 S
PIEDMONT 28
GREEN 5
TENN N CAR
MORGANTON
FRANCIS MARION
KNOXVILLE-988 50H L S-278 (118 7, 126 18)
278 HC LOCALIZER ON REQ
KNOXVILLE 257 (116 1)
JOSEPHSON
BLACK MT.
MORGANTON LENOIR
ASHEVILLE HENDERSONVILLE 40H L S
SYLVA 25
RUTHERFORD
BYERS
NASHVILLE 106
FRANKLIN
GREENVILLE 281 (116 1)
FAIRFOREST
PARIS MT
N CAR
GA
S CAR
GREENVILLE-1015 42H L S
LE TOURNEAU 30 L S
GREENVILLE AAB-942 55H L S-272 (126.18)
SPARTANBURG 248
MEMORIAL-307 44H L S-317 (118 7, (126.18)
SKIRSDALL 30 S
GA 7 CA
RIVERBEND
GAINESVILLE 40H
CRAWFORD W LONG 27 S
ANDERSON-765 50H L S
ANDERSON 236 (118 1) On request
CORONACA 50H
GREEN 6
ATLANTA 286
ELBERTON
WINDER 30 L
ALLEN
BENTLEY
GREENWOOD
ATLANTA 126 SAVANNAH 131
TO BOLD SPRING
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE:
SCALE OF MILES
30 0 10 20 30

RADIO — SOUTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANDERSON	236 (AS)(116.1)	MHVT	(4); 116.1
GREENVILLE	281 (GC)(116.1)	BMLZ-VDT, 2°, 2	(4); 116.1
.Greenville AAB	272 (126.18)	CA	(3); 126.18
MEMORIAL AIRPORT (Spartanburg)	317 (126.18) (118.7)	C	(4);118.7,126.18,131.9
SPARTANBURG (Memorial Arpt)	248 (SU)	SBRAZ-DT,58°.1.6	(3)

TENNESSEE

KNOXVILLE	257 (KX)(116.1)	SBRAZ-VDT	(3); 116.1
Knoxville Airport	278 (126.18) (118.7)	C(ILS): 192°, 2.8	(4); 118.7, 126.18, 131.9
Knoxville Airport	278	(Low powered range)	(4) (on req.)
PIEDMONT FM	(- -)	FM, 66°, 28	Knoxville
TALLASSEE FM	(- - -)	FM, 192°, 23	Knoxville
TRI-CITY	221 (TI)(116.1)	SBMRAZ-VDT,252°, 3.3	(4), 116.1

VIRGINIA

CHILHOWIE FM	(-)	FM, 65°, 43	Tri City, Tenn.

WEST VIRGINIA

PAYNESVILLE	356 (IR)	H	Operated by P.C.A.(6-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (ELEV. COMPASS LOCATOR)		
				OM-	MM- — — 0.6	OM- — — 4.5
Knoxville, Tenn.	110.3	335	400 Mag.		MMK-	OMK-

S-Simultaneous Range and Voice. W-Without Voice. Z-VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs.
(4)-3105,4495,6210,3117.5 kcs., Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — GEORGIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen (Buford)	1.5 S,hwy SW	1070	15 S1	80 oct. Pole line SW.
Crawford W. Long (Jefferson)	2.5 S,RR E	950	27 L1 S1	80 oct. Pole line SE.
Elberton	2 SE,hwy W,N	710	16 S1	80 oct. Obst sur fld.
Gainesville	1.5 S,RR E,NW	1277	40h	
Le Tourneau (Toccoa)	2.5 NE,RR S	950	30 L3 S4	80, 91 oct.
Riverbend(Gainesville)	4.5 N, in bend of river	1200	17 S1	80 oct.Steep grade NNW end.
★ Winder Int,4,AG-LG	1.5 NE,bet rds	950	30 L3	Trees, bldg N.

KENTUCKY

Jody (London)	3 S,hwy E	1240	25 S2	80 oct.
Middlesboro	1.2 W,hwy S	1150	26 S4	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ASHEVILLE-HENDERSONVILLE (Ashev'l)	11.5 SSE,RR W	2090	40h L5 S4	73, 80, 91, 100 oct.
Black Mountain	1.8 SW,RR N	2270	15 S1	80 oct. Soft.
Byers (Shelby)	3 SE,RR SW	875	16 S4	80 oct.
Francis Marion (Marion)	2.5 NE,RR NE	1450	19 S4	80,91 oct.
Franklin	1.2 ESE,riv W	1996	23 S2	80 oct.
Hendersonville	1.5 ESE,hwy SW	2200	30 S6	80, 91 oct.
Josephson (Asheville)	3 W,riv E	2200	20 S1	Ltd 80 oct. Trees NW,SE.
Morganton	2 NW,riv E	1024	16 S2	80 oct.
Morganton-Lenoir (Morganton)	7.5 NE,hwy W	1253	33 S2	80,91 oct.
Rutherford(Spindale)	1.5 SSE,RR N	1012	17 S2	80 oct.
Sylva	2.4 NE,riv SW	2039	25 S2	No fuel.
West Jefferson	2 SSW,RR NNE	3200	16 S2	80 oct.

SOUTH CAROLINA

Anderson	4.5 WSW,hwy S	783	50h R1 L5 S6	80, 91 oct.
Barksdale (Laurens)	2.8 E,RR NE	700	30 L S6	73 oct. Port rnwy lgts.Pole line NE
Bentley (Calhoun Falls)	3 ENE,RR NNW	500	16	
Chesnee (NC)	2 S,RR W	910	18	PRIVATE.
Coronaca (Greenwood)	3.8 N,RR E	629	50h	
Fairforest (Spartanburg)	5.8 WNW,rd W	830	23 S6	80 oct.
(N) GREENVILLE	3.2 E,RR SE	1015	42h R1 L5 S6	80 oct.
(A) Greenville AAB (A)	7.5 SSE,hwy W	942	55h R1 L5 S6	73, 91, 100 oct. No sto.
Greenwood	2.6 W,RR E	650	24 S6	73 oct.
(N,P) MEMORIAL (Spartanburg)	2.5 SW,hwy SE	804	44h R2 L5 S6	80, 91 oct. 100 oct. for military.
Paris Mountain (Greenville)	4.2 NNW,RR E	1006	21 S6	80 oct. Pwr line NW.

TENNESSEE

Island (Knoxville)	2.5 E	830	35 S4	80 oct. No sto.
(P) Knoxville Mun. McGhee-Tyson(Knoxville)	12 SSW,hwy E	988	50h R3 L5 S6	91, 100 oct.
Morristown	5.7 ENE	1400	18 S1	73 oct.
TRI-CITY	11.3 NNW Johnson City	1518	45h R1 L5 S6	80, 91 oct. 10.2 ESE Kingsport.

VIRGINIA

★ Chilhowie Int,29,B,NA-WA	3.9 SE,riv N	2100	34 L3 S4	80 oct. Pole lines SW,NE.Riv SW.
Powell Valley (Big Stone Gap)	4 ESE,hwy NW	1700	25 S4	80 oct.Pole line ENE,hills W.
Richlands	2.7 WSW,RR N	1950	30 S2	80 oct.

RADIO — NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-VDT; 359°,1.7	(3); 116.1
DOUGLAS ARPT. (Charlotte)	396 (126.18) (118.9)	C	(4); 126.18,118.9,131.9, others on req.
GREENSBORO	365(GW)(116.1)	SBRAZ-VDT	(3); 116.1
→ Greensboro-High Pt. Airport	219 (126.18) (118.7)	C; 241°, 1.5	(4); 118.7,126.18,131.9
POPE (Fort Bragg)(Army)	338(DOP)(116.1)	SBMRAZ-V	(3); 116.1
Pope Field	396 (126.18) (116.1)	CA(ILS);355°,2.5	(3); 116.1,126.18
RALEIGH (Raleigh-Durham Airport)	350(DU)(116.1)	SBRAZ-VDT(ILS); 299°,3.8	(4); 116.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18) (118.3)	C	(4); 126.18,118.3,131.9
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	MRLWZ; 328°, 5.1	

SOUTH CAROLINA

FLORENCE	239(FL)(116.1)	SBMRLZ-VDT;292°,1.7	(4); 116.1

VIRGINIA

DANVILLE	344(VE)(116.1)	MHVT	(4); 116.1
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-VDT;247°,2.1	(4);116.1
ROANOKE (Woodrum Fld)	317(RO)(116.1)	SBRAZ-VDT;349°,2	(3); 116.1
WOODRUM FIELD (Roanoke)	278 (118.5)	C	(4); 131.9,118.5,126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (FLIES COMPASS LOCATORS)		
				IM (.04)	MM ····· (4.00)	OM -- (4.18)
→ POPE, N.C. ■	110.3	335	360° Mag.		MMK	OMK
RALEIGH, N.C.- Raleigh-Durham	109.9	333.8	50° Mag.			

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station;(3)-3105, 4495, 6210 kcs., (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — NORTH CAROLINA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W; RR N	450	25	Obsts sur fld.
Asheboro	1.8 SSW;hwy NW	864	18 S2	80 oct.
(A) Balloon (Ft. Bragg)(A)	1 NNW; RR E	225	22	Closed to all acft.
Belmont	1.3 NE;riv E	740	20 S6	80 oct. No sto.Pole line WNW.
Bridges (Kings Mountain)	1 SW; RR SE	930	17 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW;RR E	800	22 S6	80 oct. Pole line SSE.
Brooks (Red Springs)	1.2 N; RR SE	208	26	
(P) Burlington	4 SW; hwy W	638	28 S6	80 oct. Pole line S.
Burris (Lincolnton)(NC)	2.2 SW; RR SE	960	10	UNUSABLE.
Camp MacKall (Hoffman)	3.5 E	350	50h	
Candor (NC)	1.1 E; RR N	710	19	Pole line WNW.
Cannon (Charlotte)	3 WNW; hwy S	788	24 L S6	80 oct. Flood lgts req.
Caswell (Yanceyville)	3.7 S; hwy W	640	20 L S1	80 oct. Flare pots prior req.
Coley (Concord)	2 SW; RR E	790	12 S1	80 oct. Trees ESE.
Colonial Flying Service (Mt. Airy)	1.4 NNE;RR S	950	15 S1	80 oct. Pole line, trees NNW.
Concord	4.5 ESE;rd E,S	700	19 S2	80 oct. Pole line NE.
Delta Air Base(Charlotte)	6.7 E; hwy S	750	31 S6	80 91 oct. No sto. Poles NW.
(A) DOUGLAS (Charlotte)	5.5 W; RR N	745	52h R2 L5 S6	80,91 oct.
Durham Airways	7.8 N; RR E	310	18 S1	80 oct.
Elkin	2.8 SW;RR NNW	1100	24 S2	80 oct.Rnwy data unverified.
Erwin	1 SW; riv SW	195	30 S1	80 oct. Pwr line S.
Fairchild-Civil (Burlington)	1.5 E; RR S	640	35h	
Fayetteville	5 N; hwy E	238	36 L1 S6	80 oct. Pwr line E.
Fraley (High Point)	2.5 SSE;RR W	1000	17 S6	80 oct. Strips rough. Trees SE.
Gastonia	4.3 SW	795	16h S4	80 oct. Pwr line SW.
→ " mun.	4.5 SSE;hwy SW	800	30h L	Port rnwy lgts.
GREENSBORO-HIGH POINT	8 WNW; RR SW	903	40h R2 L5 S6	80,91,100 oct.
Hickory	2.2 W;RR S	1180	40h S6	80,91 oct.
Horace Williams (Chapel Hill)	1.3 NNW;RR W	502	49 S4	80 oct.
Kannapolis	2.8 N; RR E	750	23 S6	80 oct. Trees WNW.
Kings Mountain	3.5 SW; RR SE	980	23 S2	80,91 oct.
Knollwood (Pinehurst)	2 NE; hwy W	455	53 L5 S4	80,91 oct.
Laurinburg-Maxton(Maxton)	3.5 N;riv E	220	65h	
Lee County (Sanford)	1.5 SE;RR E	400	19 S4	80 oct. No sto. Pwr line sur fld.
Lillington	1.1 NNE;RR S	210	15 S2	80 oct.Pole line NW.
(P) Lumberton	3 WSW;hwy NNW	126	50h L2 S6	80,91 oct.
McLean Brothers (Gibsonville)	0.5 SW;hwy NE	723	18 S6	80 oct.
Mayo (Mayodan)	0.8 W; riv E	900	24 S1	80 oct.
Mocksville	2 W; RR E	800	14 S2	80 oct.
Monroe, com	2.8 SSE	600	20 S2	80 oct.
" mun	2 NNW; hwy S	680	20 S1	80 oct. Trees NW.
Mt. Airy	2.2 SW;RR E	1050	20 S2	80 oct.
North Wilkesboro	1.3 WSW;riv S	970	15 S4	80 oct.
Parkers (Eagle Springs)	1.8 NW;RR S	700	40 S1	80 oct.
Plaza (Charlotte)	5 NE; RR N	740	20 S6	80 oct.
(A) Pope (Ft. Bragg)(A)	2 NW; riv NW	210	52h R3 L5 S6	73,91,100 oct.
Raleigh	3.3 SSW;RR W	364	28h S6	80,91 oct.
→ RALEIGH-DURHAM(Raleigh)	10.5 NW;RR W	433	45h R3 L6 S4	80,91 oct. No twr.
Reidsville	3.2 SE;riv S	822	25 S6	80 oct.
(P) Rockingham-Hamlet	3.5 S; RR E	358	46 S2	80 oct.
Roxboro	7 NE; RR W	600	18 S1	80 oct.
Salisbury	3 SW; RR E	764	25 L2 S6	73 oct.
Skyline (Southern Pines)	4.5 NE;RR NW	460	21 S4	80 oct. No sto. Pwr line S.
(P) SMITH-REYNOLDS (Winston-Salem)	2.8 NNE;RR W	969	67h R2 L5 S6	80,91 oct. Rnwy data unverified.
Stanly (Albemarle)	6 WNW;hwy S	720	16 S1	80 oct.
Statesville	4.5 WSW;RR SE	990	27 S2	80 oct. Trees N.
Tri-City (Draper)	1.2 W; riv W	560	26 S2	80 oct.
Wadesboro	3.7 NNE;RR S	220	18 S4	80,91 oct.
Warf (Reidsville)	3.8 SW; hwy W	820	23 S2	80 oct. Trees N, S.
Whiteville	3.7 S; RR N	60	18 S1	Ltd 80 oct.
Young Airfield (Oxford)	1.8 SW; RR NW	475	18 S1	Ltd 80 oct.
→ Pharis (Durham)	8.1 NE;RR E	310	26 S4	80,91 oct.Pole line,trees NE,WNW
→ Routh (Greensboro)	3.3 S;RR,hwy E	840	18 S4	80 oct.,Trees NE,W
→ Newton-Conover(Newton)	1.5 NNW; hwy E		16 S6	80 oct. Data unverified.

SOUTH CAROLINA

(P) Chester	5 NNE;RR W	709	50h S4	80 oct. No sto.
Coulbourn (Lancaster)	1 SSW;hwy SW	560	32 S4	80 oct.
Florence	3.5 E; RR SW	146	60h R1 L5 S1	80,91 oct.
Hartsville	2.1 NNE;hwy S	230	25 S2	80 oct.
(P) Hartsville (Darlington)	10 N; hwy E	190	50h	
Huggins (Timmonsville)	1.5 ENE;hwy NW	149	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S; RR W	475	21	
Little Rock (NC)	2.5 SE;hwy W	135	22	Poles around fld.
Lynch Bellinger (Cheraw)	4.2 WNW;RR S	400	22 S4	80 oct. No.sto.Pole line S,WSW.
Palmer (Bennettsville)	3.4 NNW;hwy E	155	44	Not maintained as landing fld.(NC)
Roddey (Rock Hill)	2.7 SW; RR NW	664	28 S4	80,91 oct.Pole line S.
Rowe (Bennetteville)	1.5 NE	190	29 S5	80,91 oct.Trees SW.
(P) Woodward (Camden)	2.9 NE; hwy E	300	30h S4	80 oct.

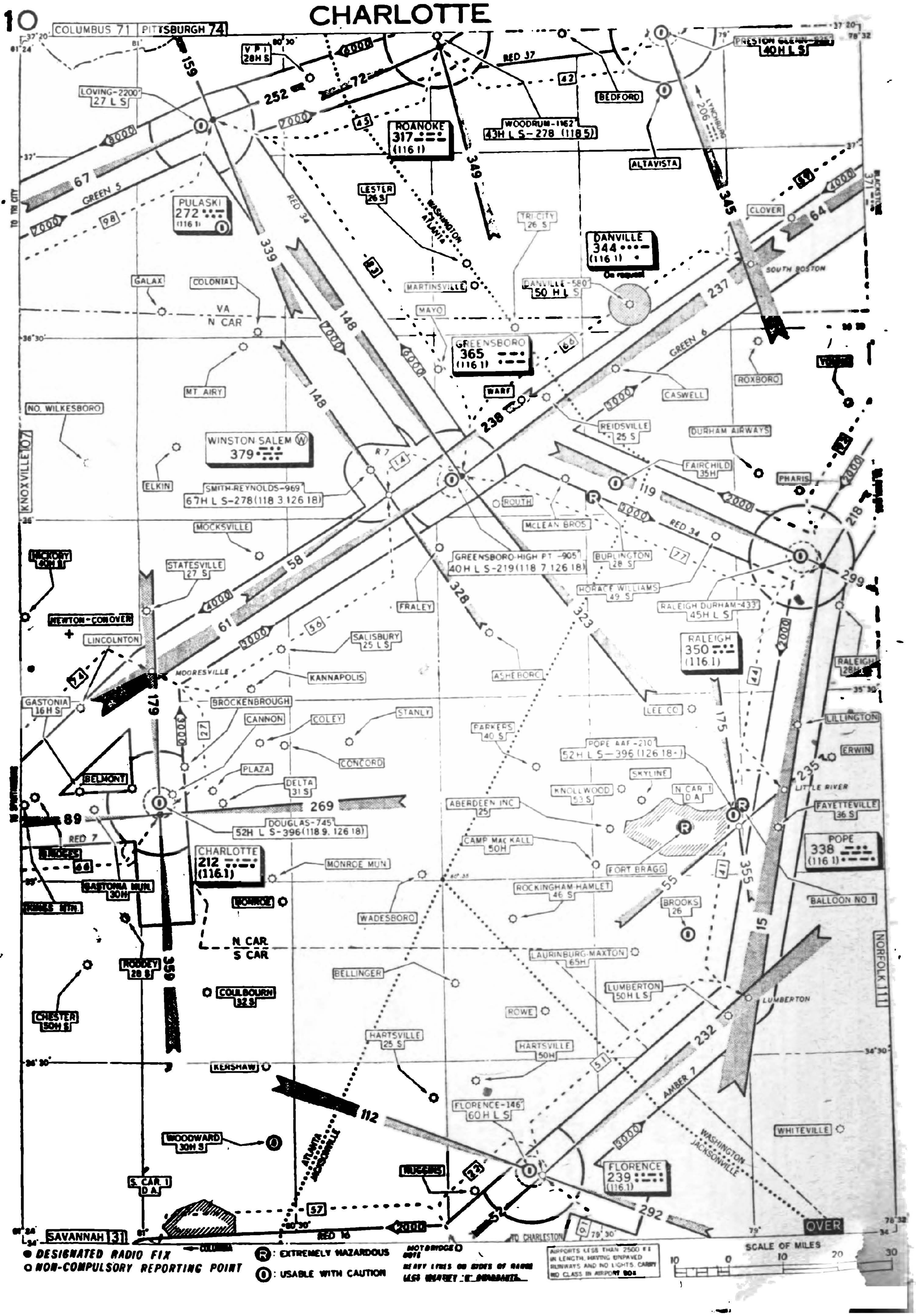
VIRGINIA

Altavista	6.1 NE;RR S	650	18 S1	80 oct. Trees SW.
Bedford	1.3 WSW;RR N	1050	16	PRIVATE.
(P) Danville	3.4 ESE	580	50h R1 L5 S6	80,91 oct.
Galax	6.5 S;hwy E	2575	27 S4	80 oct.
Lester (Martinsville)	0.8 NNW;RR NE	1000	26 S2	80 oct.20-75' bldgs SE.
Loving,35A,NA-WA(Pulaski)	2.8 N;RR SE	2200	27 R1 L3 S4	80 oct.Poles SW.No sto.
Martinsville	3.5 SSE;RR NE	800	16 S2	73 oct.
PRESTON GLENN(Lynchburg)	6.7 SSW;RR SE	935	40h R1 L5 S6	80,91 oct.
V.P.I. (Blacksburg)	1.3 SSE;RR W	2100	28h L1 S6	73,80 oct. Strip rough.
(P) WOODRUM (Roanoke)	4.2 NNW;rd W	1162	43h R2 L5 S6	80,91,100 oct.
Clover	3.5 SSW;riv E	350	20	Trees E,W,SE,NW,House E,SE.

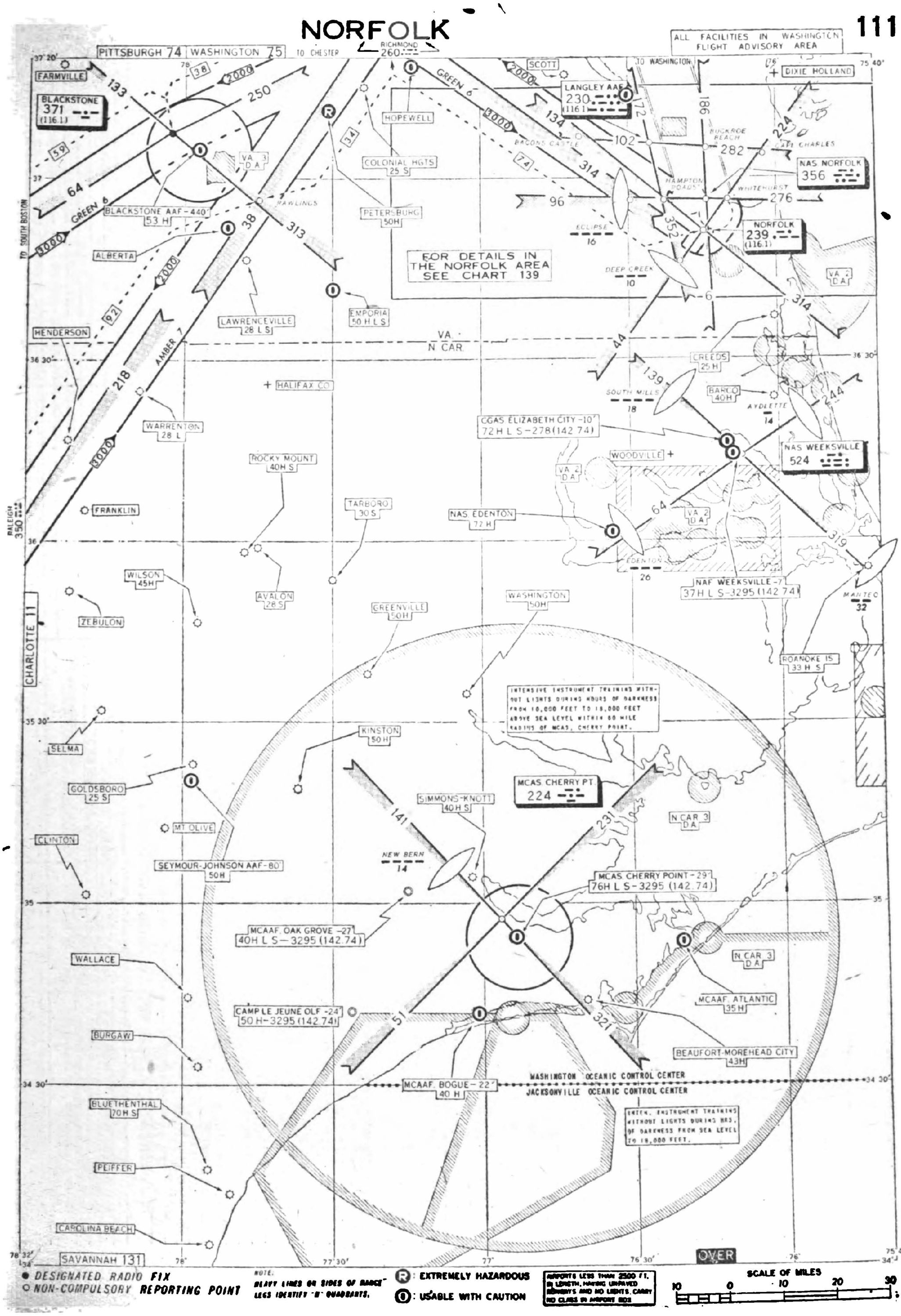
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted.

→ NEW OR REVISED DATA

CHARLOTTE


COLUMBUS 71
PITTSBURGH 74
TO TRI CITY
159
VPI 28H S
6000
RED 37
42
PRESTON GLENN-926'
40H L S
LOVING-2200'
27 L S
252
72
7000
8000
45
ROANOKE
317
(116 1)
WOODRUM-1162'
43H L S-278 (1185)
BEDFORD
LYNCHBURG
206
ALTAVISTA
67
GREEN 5
PULASKI
272
(116 1)
98
RED 34
339
349
LESTER
26 S
WASHINGTON
ATLANTA
TRI-CITY
26 S
DANVILLE
344
(116 1)
345
CLOVER
64
SOUTH BOSTON
237
GALAX
COLONIAL
VA
N CAR
MARTINSVILLE
MAYO
DANVILLE-580'
50 H L S
GREENSBORO
365
(116 1)
66
WARF
148
GREEN 6
ROXBORO
MT AIRY
NO. WILKESBORO
CASWELL
238
REIDSVILLE
25 S
DURHAM AIRWAYS
WINSTON-SALEM
379
R7
14
FAIRCHILD
35H
PHARIS
ELKIN
SMITH-REYNOLDS-969'
67H L S-278 (118 3 126 18)
119
ROUTH
McLEAN BROS
RED 34
218
MOCKSVILLE
BURLINGTON
28 S
77
GREENSBORO-HIGH PT -905'
40H L S-219 (118 7 126 18)
58
STATESVILLE
27 S
328
323
HORACE WILLIAMS
49 S
RALEIGH DURHAM-433'
45H L S
299
FRALEY
61
56
SALISBURY
25 L S
RALEIGH
350
(116 1)
NEWTON-CONOVER
LINCOLNTON
MOORESVILLE
KANNAPOLIS
ASHEBORO
GASTONIA
16 H S
BROCKENBROUGH
179
3000
27
CANNON
COLEY
STANLY
LEE CO
PARKERS
40 S
POPE AAF-210'
52H L S-396 (126 18+)
175
LILLINGTON
ERWIN
CONCORD
PLAZA
DELTA
31 S
SKYLINE
KNOLLWOOD
53 S
N CAR 1
DA
235
LITTLE RIVER
ABERDEEN INC
25
FAYETTEVILLE
36 S
269
89
DOUGLAS-745'
52H L S-396 (118 9 126 18)
RED 7
CAMP MACKALL
50H
POPE
338
(116 1)
CHARLOTTE
212
(116.1)
66
MONROE MUN
FORT BRAGG
355
41
55
ROCKINGHAM-HAMLET
46 S
BROOKS
26
BALLOON NO 1
WADESBORO
GASTONIA MUN
30H
MONROE
N CAR
S CAR
LAURINBURG-MAXTON
65H
NORFOLK 111
RODDEY
28 S
359
BELLINGER
LUMBERTON
50H L S
COULBOURN
32 S
ROWE
LUMBERTON
CHESTER
50H S
HARTSVILLE
25 S
HARTSVILLE
50H
232
34°30'
KERSHAW
51
FLORENCE-146'
60 H L S
AMBER 7
112
WOODWARD
30H S
WHITEVILLE
ATLANTA
JACKSONVILLE
3000
WASHINGTON
JACKSONVILLE
RUGGERS
23
FLORENCE
239
(116.1)
S CAR 1
DA
57
292
SAVANNAH 31
RED 16
TO CHARLESTON
OVER
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX

NORFOLK


PITTSBURGH 74 | WASHINGTON 75
TO CHESTER
RICHMOND 260
ALL FACILITIES IN WASHINGTON FLIGHT ADVISORY AREA
TO WASHINGTON
SCOTT
DIXIE HOLLAND
FARMVILLE
BLACKSTONE 371 (116.1)
LANGLEY AAF 230 (116.1)
HOPEWELL
GREEN 6
BACONS CASTLE
BUCKROE BEACH
CAPE CHARLES
NAS NORFOLK 356
COLONIAL HGTS 25 S
VA 3 D A
RAWLINGS
PETERSBURG 50H
HAMPTON ROADS
WHITEHURST
BLACKSTONE AAF - 440' 53 H
ALBERTA
ECLIPSE 16
NORFOLK 239 (116.1)
FOR DETAILS IN THE NORFOLK AREA SEE CHART 139
DEEP CREEK 10
VA 2 D A
EMPORIA 50 H L S
LAWRENCEVILLE 28 L S
HENDERSON
VA. - N CAR.
CREEDS 25 H
HALIFAX CO
SOUTH MILLS 18
BARCO 40H
AYDLETTE 14
WARRENTON 28 L
CGAS ELIZABETH CITY -10' 72 H L S - 278 (142.74)
NAS WEEKSVILLE 524
ROCKY MOUNT 40H S
WOODVILLE
VA 2 D A
FRANKLIN
TARBORO 30 S
NAS EDENTON 77 H
EDENTON 26
NAF WEEKSVILLE - 7 37 H L S - 3295 (142.74)
MANTEO 32
WILSON 45H
AVALON 28 S
GREENVILLE 50H
WASHINGTON 50H
ZEBULON
ROANOKE IS 33 H S
INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 10,000 FEET TO 18,000 FEET ABOVE SEA LEVEL WITHIN 80 MILE RADIUS OF MCAS, CHERRY POINT.
KINSTON 50 H
SELMA
MCAS CHERRY PT. 224
GOLDSBORO 25 S
SIMMONS-KNOTT 40 H S
N CAR 3 D A
MT OLIVE
CLINTON
NEW BERN 14
SEYMOUR-JOHNSON AAF - 80' 50 H
MCAS CHERRY POINT - 29' 76 H L S - 3295 (142.74)
MCAAF, OAK GROVE - 27' 40 H L S - 3295 (142.74)
WALLACE
CAMP LEJEUNE OLF - 24' 50 H - 3295 (142.74)
MCAAF, ATLANTIC 35 H
BURGAW
BEAUFORT-MOREHEAD CITY 43H
MCAAF, BOGUE - 22' 40 H
WASHINGTON OCEANIC CONTROL CENTER
JACKSONVILLE OCEANIC CONTROL CENTER
BLUETHENTHAL 70 H S
ENTER. INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM SEA LEVEL TO 18,000 FEET.
PEIFFER
CAROLINA BEACH
SAVANNAH 131
TO SOUTH BOSTON
RALEIGH 350
CHARLOTTE 11
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES OR SIDES OF RADIO LEGS IDENTIFY "R" QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLUBS IN AIRPORT BOX
SCALE OF MILES
10 0 10 20 30

NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS. OF OPER., REMARKS
AYDLETTE FM (Navy)	(-)	FM, 64°, 14	Weeksville NAF
CAMP LE JEUNE OLF (New Rivet)	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
CHERRY POINT (Navy)	224 (NKT)	BMRLZ	(3), 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN, 141°, 4	(3); 142.74 (6-19)
EDENTON FM (Navy)	(- - -)	FM, 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
NEW BERN FM (Navy)	(- - - -)	FM, 321°, 13.6	Cherry Point MCAS
OAK GROVE MCAAF (Polloksville)	3295 (142.74)	CN	3105,142.74 (8-18)
SOUTH MILLS FM (Navy)	(- - - -)	FM, 319°, 17.5	Weeksville NAF
WEEKSVILLE (Navy)	524 (NFG)	MRL	500,3105; 142.74 (7-19)
Weeksville NAF-LTA	3295 (142.74)	CN, 319°, 0.5	3105; 142.74 (8-1630)
MANTEO FM (Navy)	(- -)	FM, 139°, 32	Weeksville NAF

VIRGINIA

BLACKSTONE (AAF)	371 (KT)(116.1)	BMLZ-VDT, 133°, 5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM, 276°, 16	Norfolk
→ LANGLEY FIELD (Army)	230 (DLY)(116.1)	SBMRAPZ-VDT, 102°, 35	(3); 116.1
NORFOLK	239 (NWX)(116.1	BMRLZ-VDT, 44°, 3.4	(3):116.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ, 276°, 2.9	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h	
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct. Fld lgts prior req. (Wilmington)
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	INACTIVE.
Burgaw	1.2 W,hwy N,S	30	22 S1	80 oct. Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jacksonville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS	2.5 SW,riv N	29	76h R2 L5 S6	100 oct. (N)
Clinton	2 N, hwy W	160	24 S6	80 oct. Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
ELIZABETH CITY CGAS	3.5 SE,riv NE	10	72h R1 L6 S4	91, 100 oct.
Franklin(Louisburg)	2 WSW,hwy S	290	20 S4	80 oct. Hi-line S
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	1.8 NNW	25	50h	
Halifax Co.(Roanoke Rapids)	3 SW,hwy N	140	25 S1	80 oct. Data not verified.
Henderson	3 S,RR W	490	23 S6	80,91 oct. No sto. Pole lines S. Rnwy data not verified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Jacksonville (NC)	3.7 NE,RR SE	51	14	
(P) Kinston	4.2 NNW	93	50h	
Mt. Olive	1.1 NE,RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Polloksville) (N)	2.5 NW,riv S	27	40h R1 L S4	91, 100 oct.
Peiffer(Wilmington)	6 ESE,ocean E	10	18 S1	80 oct. Poleline NNE,trees N,S,SW.
ROCKY MOUNT	2.3 N,RR E	114	40h S3	80 oct. Use rnwys only.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E.
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	INACTIVE
SIMMONS-KNOTT	2.5 SSE	19	40h S1	80, 91 oct. (New Bern)
Tarboro	2 ESE,riv NNW	50	30 S6	80 oct. No sto. Pole line NNE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct. No sto.
★ Warrenton Int,46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	1.8 N,hwy W	38	50h	
(N) Weeksville NAF(LTA)	2.2 NE	7	37h R2 L5 S4	91, 100 oct. (N)
(P) Wilson	4.2 NW,hwy E	161	45h	
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct. No sto. Pole line S, SW. Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S1	80 oct.
Roanoke Isl.(Manteo)	1,5 NW;rd NE	12	33h L5 S4	80,91 oct. Lgts on req. Data unverified.

VIRGINIA

Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone AAF (A)	2.5 ESE,hwy N	440	53h R1	Closed to all acft. INACTIVE
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW. (NC)
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
Creeds	1.5 E,bay E	10	25h	
Emporia	3 E,rd S	127	50h L5 S1	80,91 oct. Trees sur fld.
Hopewell	3.3 E,riv N	20	24 S6	80 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317,	28 L3 S6	80 oct.
Petersburg	6.2 WSW,RR N	190	50h	
Scott (Williamsburg)	1.3 NNW,RR SW	90	20 S2	80 oct. Pole line SW,WNW.
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29	20-60' trees NE,SW,W. (NC)
Dixie Holland (Cape Charles)	1.5 ENE;hwy S		22 S1	80 oct. Unverified.
Farmville	2.5 NW,riv N	325	20 S6	80 oct. Hill W.

CORPUS CHRISTI

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALICE	224(EZ)(116.1)	SBRAZ-VDT,73°,3.3	(4);116.1
BROWNSVILLE (International Arpt)	388(JI)(116.1)	SBRAZ-VDT,157°,2.4	(3);116.1
CABANISS NAAS,(Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)
→ CLIFF MAUS (Corpus Christi)	278(118.3)	C	(4);118.3,126.18,131.9
CORPUS CHRISTI (Cliff Maus Field)	382(CR)(116.1)	SBMPLZ-VDT,138°,2.9	(3);116.1
Corpus Christi (Navy)	248 (NGP)	MLZ	(3);142.74
Corpus Christi NAS	248 (142.74)	CN;350°,3.3	(3);142.74
Corpus Christi NAS (Seapl)	2870(142.74)	CN	3105;6210;142.74
CUDDIHY NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)
→ FALFURRIAS FM			DECOMMISSIONED
GREGORY FM (Navy)	(-)	FM, 350°, 18	Corpus Christi NAS
→ INTERNATIONAL ARPT (Brownsville)	278 (126.18, 118.7)	C(ILS)	(4);118.7,126.18,131.9
LAREDO (AAF)	206(LL)(116.1)	SBRAZ-VDT,137°,3.3	(4);116.1
LOS FRESNOS FM	(- - - -)	FM, 338°, 8.9	Brownsville
MERCEDES FM	(- - -)	FM, 282°, 29.5	Brownsville
PALACIOS	350(UX)(116.1)	BMLZ-VDT,118°,1.7	(4);116.1
PLEASANTON FM	(- - -)	FM, 174°, 44.2	San Antonio
RODD NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
INTERNATIONAL, TEXAS	110.3		170° Mag.	IM	MM ·····(.66)	OM --(4.34)	
					MMK	OMK	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — TEXAS

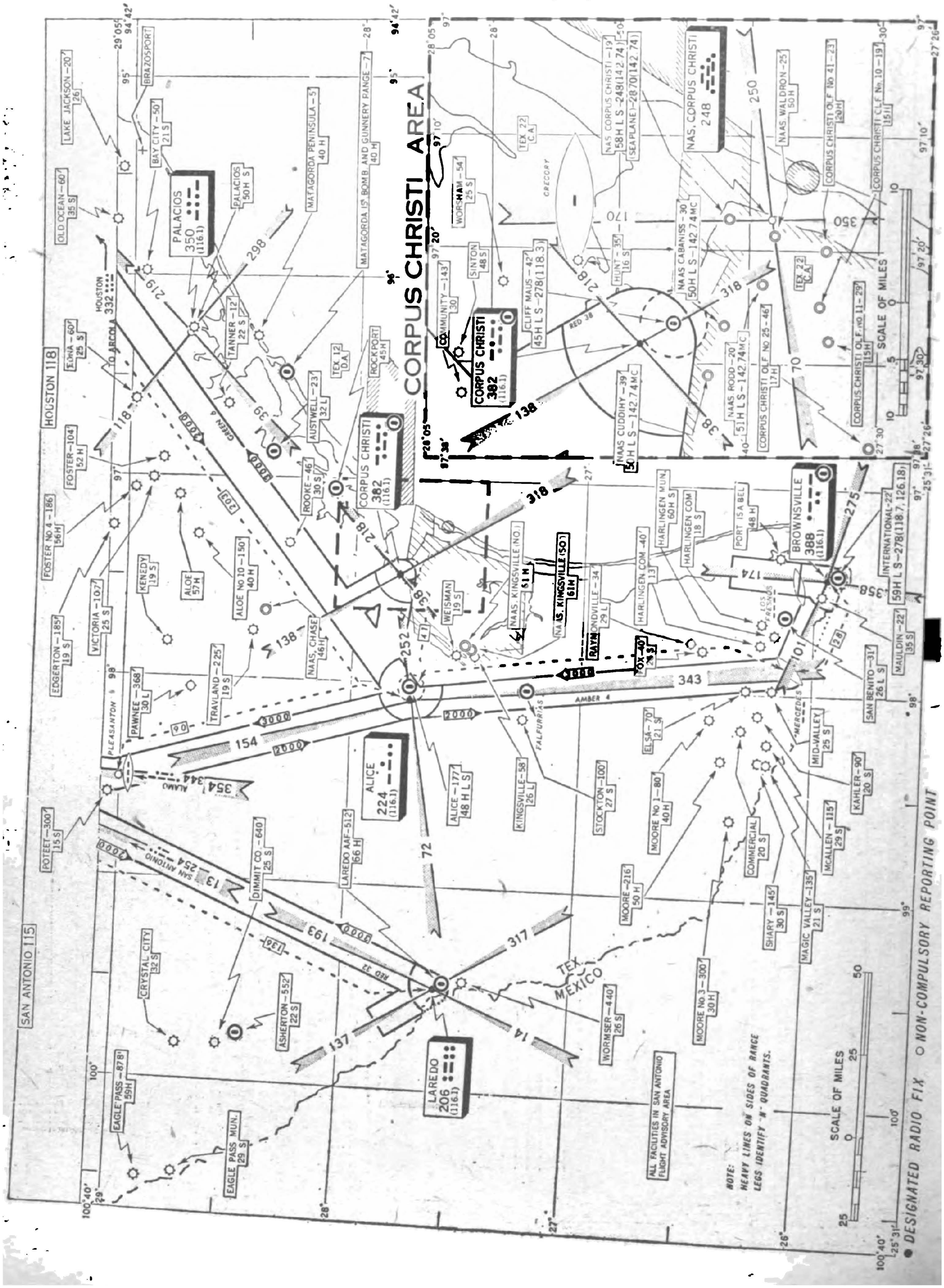
AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Alice	3.3 ESE;RR N	177	46h R1 L5 S6	80,91 oct.
Aloe (Victoria)	6 WSW;RR SE	107	57h	
" #10 (Victoria)	19.8 WSW	150	40h	
Asherton	1 S;RR NE	552	22 S1	80 oct.Poles N;trees sur fld.
★ Austwell Int.5A,CR-HU	2.1 SSW;bay NE	23	32 L2	Fence around fld.
Bay City	2 SSW;RR N	50	21 S6	80 oct.No sto.Pole line E.
Brazosport (Velasco)	1 N;hwy SW	6	24 S1	80 oct.Data not verified.
(N) Cabaniss NAAS (Corpus Christi)(N)	6.2 SSW;RR NE	30	50h R1 L5 S4	91 oct.
(N) Chase NAAS (Beeville)(N)	5.6 ESE;rd N	186	46h R1	INACTIVE.
Chunadera Ranch Emerg. Strip (Laredo)(NC)	60 NW	630	33 L1	
(N) CLIFF MAUS (Corpus Christi)	2.5 SW;RR N	42	45h R2 L5 S6	80,91 oct.No storage.
Commercial (Edinburg)	1 W;RR SE	90	20 S1	73 oct.Pole line NW,NNW.
Community (Sinton)	2 W;RR SE	143	30	
(N) Corpus Christi NAS (N)	9.5 SE	19	58h R2 L5 S6	91,100 oct.NATS,NARC.
(N) " OLP #10 (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLP #11 (N)	16 SSW	29	15h	13 SSW Aberdeen.
(N) " OLP #25 (N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLP #41 (N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City	1.8 N;RR W	600	32 S1	80,91 oct.Pole line NE,NW.
(N) Cuddihy NAAS (Corpus Christi)(N)	7.8 SW;crk S	39	50h R1 L5 S4	91 oct.
Central Valley(Mercedes)	1.5 NE;hwy S	62	31h S6	80,91 oct.Data unverified.

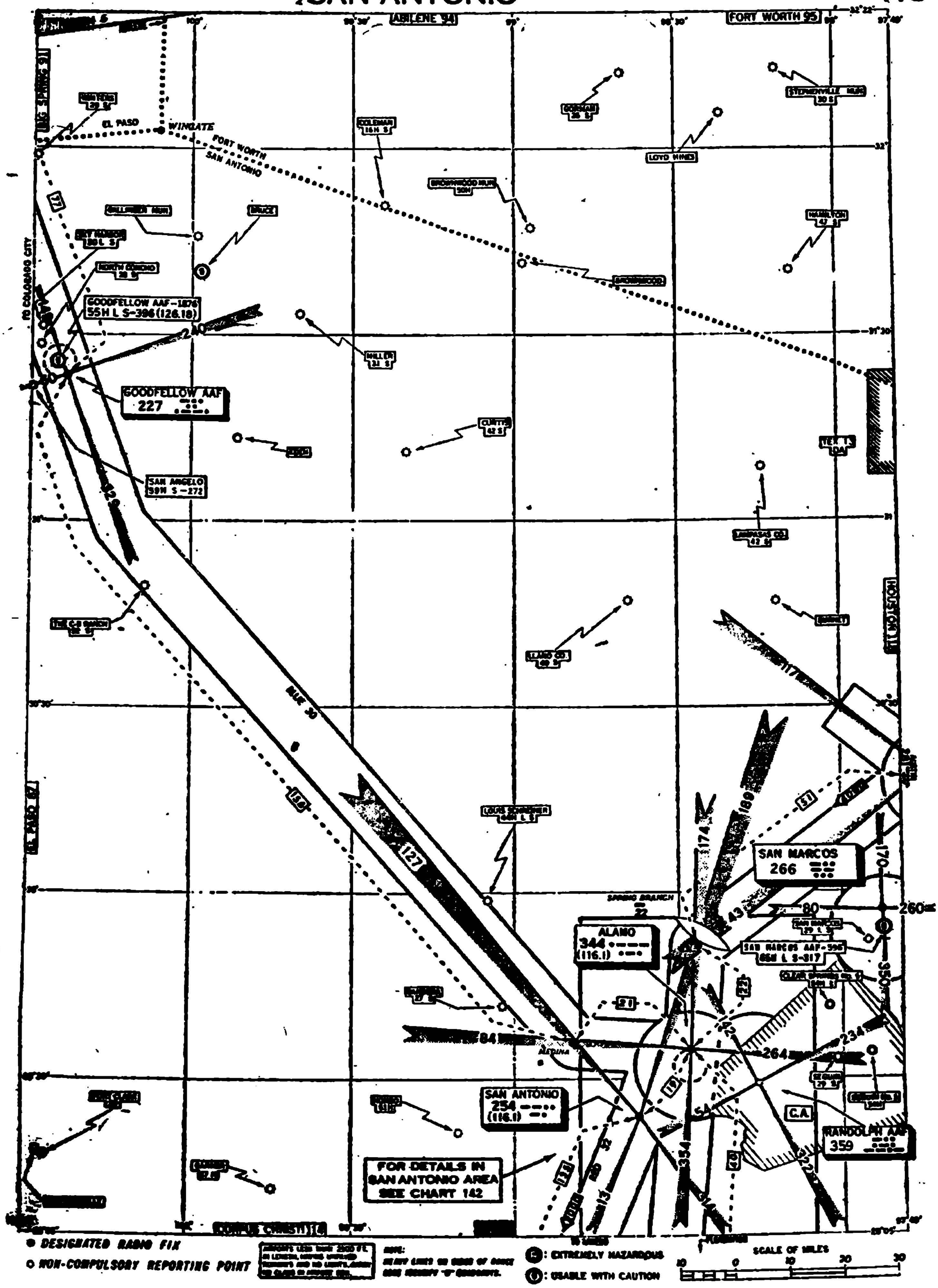
TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dimmit Co.(Carrizo Sprgs)	2.8 E;hwy N	640	25 S1	Ltd 80 oct.Pole line ends strps.
Eagle Pass	10 N;RR N	878	59h	
" mun.	1.3 E;hwy N	774	29 S2	80 oct.ARPT OF ENTRY.
Edgerton (Cuero)	2.9 E;hwy SW.	185	19 S6	80 oct.
Edna	1.5 ENE;RR NW	60	25 S1	73 oct.Live stock on fld.
Elsa	1 SSE;RR N	70	21 S6	73 oct.Crop dusters.
Foster (Victoria)	6.5 NE;RR S	104	52h	
" #4 (Victoria)	12.5 NNW	186	56h	
Fox (Raymondville)	1 WSW;RR S	40	26 S2	73,80 oct.Poles W,SE.
Freer (NC)	3.8 NNW;hwy E	375	28	Trees sur fld.
Harlingen, com.	1.8 SSW;hwy E	41	18 S1	73 oct.
" com.	3 NW;RR SW	40	13	Pole line S.
" mun.	3.5 NE;rd S	35	60h L5 S4	80,91 oct.Lgts prior req.
Hunt (Portland)	2 WNW;RR ESE	35	16 S5	80 oct.
Indianola (Magnolia Beach)	2 SW;hwy N	17	34	PRIVATE.
(P) INTERNATIONAL (Brownsville)	4.5 E;hwy N	22	59h R3 L6 S6	73-100 oct.ARPT OF ENTRY.
Kalher (Alamo)	4 NNE;RR W	90	20 S1	73 oct.Poles sur fld.
Kenedy	1.4 ESE;RR N	270	19 S2	80 oct.
★ Kingsville Int.11,JI-FV	3.5 S;RR W	58	26 L3	
(N) " NAAS (North) (N)	3.5 ESE;hwy NW	47	61h	INACTIVE.
(N) " NAAS (South) (N)	3.5 SE;hwy W,N	51	61h	INACTIVE.
Lake Jackson (Freeport)	9.5 NW;hwy E	20	26	Cattle on fld.Trees SW.
Lake Mathis (Mathis)(NC)	5 WSW;RR SE	161	20	
La Laja (Dolores)(NC)	1.5 NNE;riv SW	475	18	PRIVATE.15-20' brush W.S.
(A) LAREDO AAP (A)	3.5 NE;hwy NNE	512	66h R1 L5	INACTIVE.B2 lgts for Airlines.
Los Fresnos	0.8 SSE;RR W	35	24 S1	73,80 oct.Pole line W
McAllen	1.6 SSW;hwy N	115	29 S6	73,80 oct.Poles E.NE.
Magic Valley (Mission)	1.5 SSW;lake W	135	21 S6	73 oct.No sto.Poles E.
(A) Matagorda Island (A)		7	40h	9 SSW Port O'Conner.INACTIVE.
Matagorda-Peninsula (Matagorda)	6.5 E Port O' Conner	5	40h	
Mauldin (Brownsville)	4.4 NNW;RR W	22	35 S6	80,91 oct.Poles W.
Mid-Valley (Weslaco)	1.7 NE;RR W	70	25 S1	80 oct.Pole line NW,SW.
Moore (Mission)	12 N;RR E	216	50h	
" #1 (Mission)	10 N Edinburg	80	40h	
" #3 (Mission)	5 N LaGrulla	300	30h	
Old Ocean	1 ENE;hwy N	60	35 S1	80 oct.Cattle on fld.
Palacios	2.7 WNW	13	50h R1 S1	80 oct.
★ Pawnee Int,22,JI-FV	5 WNW;RR W	368	30 L3	
Poteet	0.6 SW;RR E	300	13 S2	73 oct.
★ Raymondville Int,5,JI-FV	3.5 NNE;RR W	34	29 L3	
(P) Rockport	4.3 N;bay W	23	45h	
(N) Rodd NAAS (Corpus Christi)(N)	9.8 S;RR NE	20	51h R1 L5 S4	91 oct.No storage.
Rooke (Refugio)	3.2 WSW;RR E	46	30 S1	73 oct.Cattle on fld.Twr NW.
San Benito,2,JI-FV	1.5 E;RR SW	31	26 L3 S6	73,80 oct.
Shary (Mission)	1 NW;RR E	145	30 S4	73,80 oct.
Sinton	1.3 E;RR NW	27	48 S6	80,91 oct.No storage.
Stockton (Falfurrias)	2 NW;RR E	100	27 S1	80 oct.Lake SW.
Tanner Sea & Land Plane Base (Port Lavaca)	3 S;hwy S	12	22 S1	80 oct.Pwr line sur fld.
Travland (Beeville)	2 NW;RR E	225	19 S2	80 oct.Poles E.
Victoria	5.5 N;hwy SW	107	25 S6	80 oct.
(N) Waldron NAAS (Corpus Christi) (N)	12 SSE;hwy NNE	25	50h	INACTIVE.
Weisman (Kingsville)	2.5 NNE;RR S	60	19 S4	Ltd 80 oct.Poleline S,SW,SE.
Wormser (Laredo)	4 SE;hwy W	440	26 S1	80,91 oct.
Worsham (Taft)	0.8 ENE;hwy SW	54	25 S6	80 oct.
Port Isabel	10 N.W	10	40h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(see page XIII) (NC)-Not charted. → NEW OR REVISED DATA

CORPUS CHRISTI




ABILENE 94
FORT WORTH 95
LBG 3 SPRINGS 91
EL PASO
WINGATE
FORT WORTH
SAN ANTONIO
COLEMAN 16H S
BROWNWOOD MUN 36H
LOYD HINDS
STEPHENVILLE MUN 20 S
BRUCE
GOODFELLOW AAF-LBB 55H L S-396 (126.18)
GOODFELLOW AAF 227
SAN ANGELO 39H S-272
HULLEN 31 S
CURTIS 42 S
HAMILTON 47 S
TO COLORADO CITY
ROCKSPRINGS
ELPASO
MUE 30
127
SAN MARCOS 266
ALAMO 344 (116.1)
SAN ANTONIO 254 (116.1)
SPRING BRANCH
ALPINA
FOR DETAILS IN SAN ANTONIO AREA SEE CHART 142
CORPUS CHRISTI
RANDOLPH AFB 359
C.A
SCALE OF MILES
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
E: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION

SAN ANTONIO

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
→ ALAMO (San Antonio)	344(JR)(116.1)	MLZ-VDF; 174°,2.7	(3); 116.1
GOODFELLOW (San Angelo) (Army)	227 (DIP)	BMRLZ	(3)
Goodfellow Field	396 (126.18)	CA; 329°, 2.5.	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMRLZ	(3)
SAN ANTONIO (Kelly)	254(ZN)(116.1)	SBRAZ-VD.107°.1.8	(4); 116.1
→ SAN MARCOS (Army)	266 (DMS)	MRLZ	V 6-18 Mon thru Fri.
San Marcos AAF	317	CA; 170°, 4.5	(3); 266 (days only)
SPRING BRANCH FM	(-)	FM, 354°, 21.6	Alamo
→ SAN ANGELO ARPT	272	CI	(4)(12 Noon-1 hr after sunset)

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Ballinger	2.5 NW;RR E	1710	20 S1	80 oct.Pole line SSW,SSE.
Bandera	3 SE;hwy NNE	1125	27 S6	80 oct.Trees E.
Brackettville	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Brownwood	1 S;hwy W	1310	22	Poles SE,ESE,E.
" mun.	6.3 NNE;RR S	1386	50h	
Bruce (Ballinger)	4.5 SSW;RR NW.	1731	23h	Allway: 7497 x 5280'.
Burnet	2 NE;RR W	1325	21 S1	80 oct.Pole line SW.
C-B Ranch (Ft.McKavett)	1.5 W;rd S	2150	32 S1	80 oct.Livestock on fld.
(A) Clear Springs #5 (New Braunfels) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Coleman	1.7 NE;RR S	1685	16h S6	80,91 oct.Use rnwys only.
Comanche (NC)	1.7 NNW;hwy SW	1500	14	
Curtis (Brady)	3 N;hwy SE	1830	42 S1	Ltd fuel.
Eden	1 NW;hwy E	2050	15 S1	73 oct.Trees NE,SW.
(A) Fort Clark(Brackettville)	1.5 SW;rd E	1105	30	(A)
Garner (Uvalde)	2.7 E;hwy N	930	17h S1	80 oct.
(A) Goodfellow (San Angelo)(A)	3 SE;ros N,W	1876	55h R2 L5 S6	73,91,100 oct.JP-1.
Gorman	1 S;RR NE	1400	26 S2	80 oct.Poles NNE.
Hamilton	2.3 SSW;hwy E	1250	47 S6	80 oct.Fence sur fld.
Hondo	2.1 NW;RR S	929	61h	
Lampasas Co. (Lampasas)	6 NW;RR S	1480	42 S2	80 oct.
Llano County (Llano)	2.4 NNE;riv NE	1029	40 S1	73 oct.
(P) Louis Schreiner(Kerrville)	3.9 SE;RR SW	1590	44h L5 S6	80 oct.
Loyd Hines (Dublin)	1.3 NW;RR SW	1260	18 S1	73 oct.Poles NW,SW,SE.
Mason County (NC)	3.2 ESE;hwy N	1500	44	
Miller (Leaday)	1 S;riv W	1525	31 S6	73 oct.No storage.
North Concho (San Angelo)	1.7 WNW;RR E	1850	28 S4	80 oct.Poles sur fld.
Rionedina (Castroville)	4.5 N;riv W	855	45	(NC)
SAN ANGELO	8.5 SSW;rd NW	1901	59h R1 L5 S6	80,91 oct.
(A) San Marcos AAF (A)	5 E;riv W	596	65h R2 L5	
★ " Int,31B,JI-FV	2 SE;hwy N	577	29 L3 S6	73,80 oct.Pole line NE.
Schneider (Seguin)(NC)	2.2 WNW;RR N	520	23	Pole line N.
Seguin	3.3 WSW;riv E	400	29 S1	73,80 oct.Pole line NW.
(A) " #1 (A)	3 E;rd N	530	54h	
Sherril (Rock Springs)(NC)	4 W;hwy S	2400	21	Cattle on fld. Pole line W,NW.
→ Sky Harbor (San Angelo)	4.6 NNW;RR SW	1840	30 L3 S4	80,91 oct.After 2100 lgts on req.
South Coleman (Coleman)	1 S;hwy NW	1710	21	Closed - not maintained.(NC)
Stephenville	1.5 E;hwy S	1310	30 L S6	80 oct. Port rnwy lgts.
White (Brady) (NC)	10 W;RR N	1550	73	
Winters	2 NW;RR E	1860	29 S1	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII.)(NC)-Not charted. → NEW OR REVISED DATA

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCOLA FM	(- - -)	FM, 226°, 15	Houston
AUSTIN (Robert Mueller Arpt)	281(XN)(116.1)	SBMRLZ-VDT,117°,2	(3); 116.1
BERGSTROM FIELD (Austin)	396 (126.18)	CA	(4); 126.13
HOUSTON	332(HU)(116.1)	SBRAZ-VDT	(3); 116.1
Houston Airport	278 (126.18) (118.5)	AC; 309°, 2.5	(4); 131.9,126.18,118.5
HOUSTON LFM	(- - - -)	LFM, 309°, 5.5	Houston
HAVASOTA (Int)	212(HT)(116.1)	BMRL-VDT,180°,1.3	(4);116.1
RICHMOND	391 (UT)	MRLW	
→ ROBERT MUELLER ARPT. (Austin)	272 (119.7)	C	(4);118.7,126.18,131.9
WACO (Mcn)	385(WC)(116.1)	SBRAZ-VDT,9°,2.6	(4);116.1
WEBSTER FM	(- -)	FM, 129°, 9.3	Houston
YOAKUM (Int)	236 (YK)	HM-T,352°,2.8	

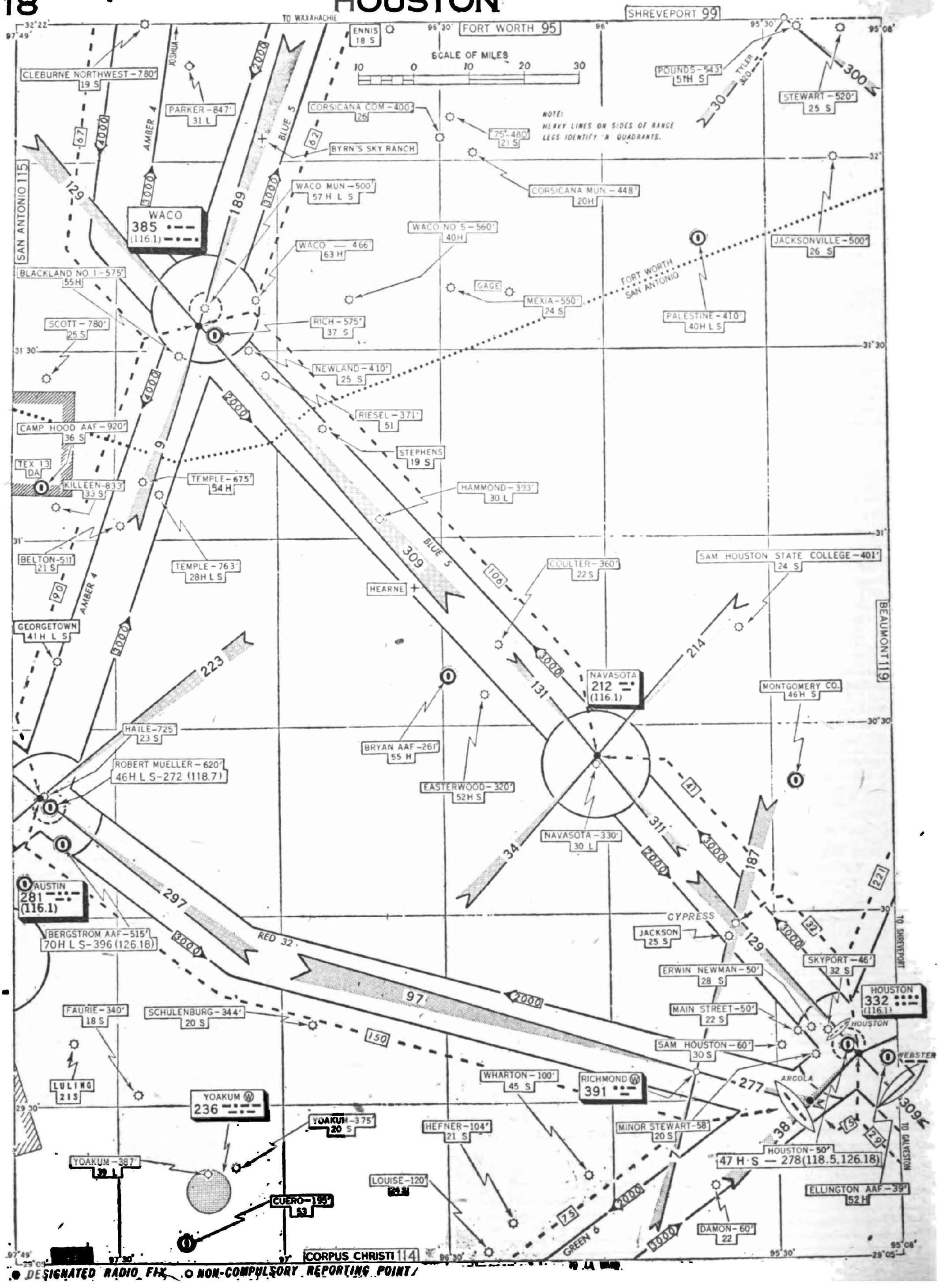
S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — TEXAS

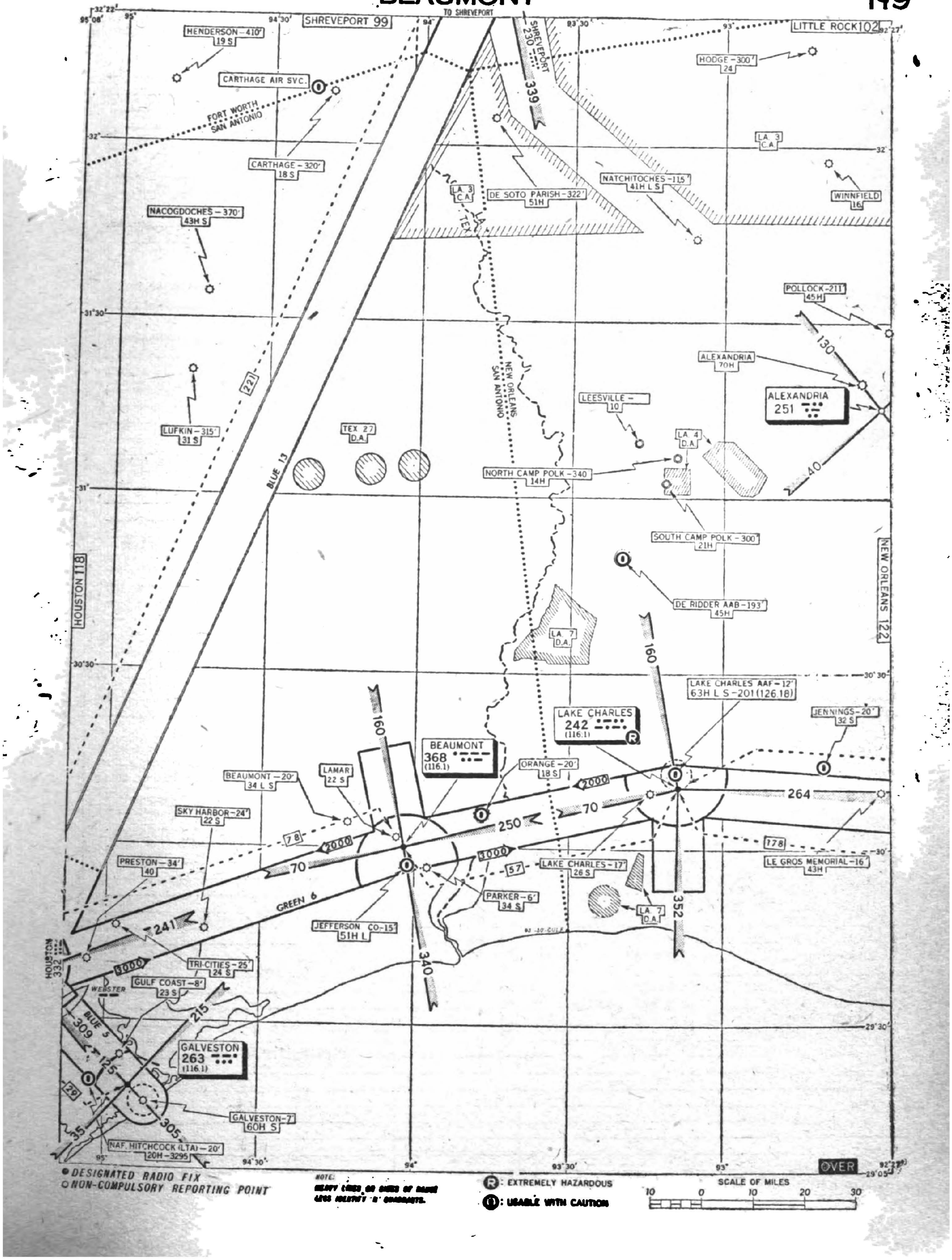
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Belton	1.6 WSW;hwy W	511	21 S1	73,80 oct.No storage.
(A) Bergstrom (Austin) (A)	7 SE	515	70h R1 L5 S6	73,100 oct.No storage.Pole NE,W.
Blackland #1 (Waco)	11 WSW;RR S	575	55h	
(A) Bryan AAP (A)	7 SSW;riv SSW	261	55h	INACTIVE.
Cameron Airpark (NC)	1.7 N;RR,hwy W	402	29	Bldg NNE
(A) Camp Hood Landing Field (Killeen)	2 NE	920	36 S1	CLOSED. (A)
Cleburne Northwest (Cleburne)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
Corsicana, com.	2.8 SW;bet rds	400	26	
mun.	5.6 SE;RR E	448	20h	UNUSABLE.Acft parked entire fld.
Coulter (Bryan)	4 NE;hwy NW	360	22 S6	80 oct.5' fence SW.
Cuero	3.1 N;RR SE	195	53	
Damon	3 ESE;hwy WSW	60	22	4'fence sur fld.
(P) Easterwood (College Station)	2.8 SW	320	52h S6	80 oct.
(A) Ellington (Houston)(A)	15 SE;RR W	39	52h	INACTIVE.
Ennis	1.5 NW;RR E	540	18 S4	Ltd 73 oct.No storage.
Erwin-Herman (Houston)	5 SSW;hwy N	50	28 S6	80 oct.
Faurie (Gonzales)	2 NNE;hwy E	340	18 S2	80 oct.Trees N,S.
Georgetown	3.3 N;hwy E	789	41h L5 S4	80,91 oct.
Haile (Austin)	4.1 NE;RR E	725	23 S6	80,91 oct.Poles ESE.
* Hammond Int.16,OS-WC	2.5 SSE;RR W	393	30 L3	
Hefner (El Campo)	1.5 WSW;RR SE	104	21 L S2	80 oct.Port rnwy lgts. Pole line S, SE.
HOUSTON	9 SSE;hwy W	50	47h R2 L5 S6	73,80,91,100 oct.
Jackson (Cypress)	4 SE;hwy S	145	25 S6	80 oct.
Jacksonville	3 N;RR E	500	26 S6	73,80 oct.Pole line ENE.
Killeen	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
Louise	1.6 E;RR W	120	24 S1	Ltd 80 oct.Pole line N,S.
Luling	1.1 SE;hwy NE	418	21 S1	80 oct.Pole lines sur fld.
Madisonville Emergency (NC)	0.8 NW;hwy E	400	18	
Main Street (Houston)	6.5 SW;hwy SE	50	22 S6	80 oct.
Mexia	1 S;RR NW	550	24 S2	80 oct.
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct.
* Navasota Int.10,OS-WC	2.5 ENE;RR NNW	330	30 R1 L3	
Newland (Waco)	4.5 SSE;RR NE	410	25 S6	80,91 oct.
Palestine	4.5 WNW;hwy N	410	40h L5 S6	80,91 oct.
* Parker Int.48,JI-FV	0.5 N;hwy W	847	31 L3	
(P) POUNDS (Tyler)	5.5 W;hwy N	543	51h R1 L5 S1	80,91 oct.Ctc lgts prior req.
Rich (Waco)	3 WSW;hwy SW	575	37 L4 S6	73,80,91 oct.Poles SSE,SE.Fld lgts prior req.
Riesel (Waco)	10.5 SE	371	51	
ROBERT MUELLER (Austin)	3.5 NE;RR SW	620	46h R2 L5 S6	80,91,100 oct.
St. Edwards (Austin) (NC)	3.5 S	700	22	
Sam Houston (Houston)	10.5 SW;RR S	60	30 S6	73,80 oct.
Sam Houston State College (Huntsville)	2.5 NW;RR E	401	24 S2	80 oct
Schulenburg	2.2 N;hwy W	344	20 S4	73 oct.Pole line W.
Scott (Gatesville)	1.8 E;hwy N	780	25 S1	80 oct.Pole line NW.
Seventy-Five (Corsicana)	1.8 N;RR W	480	21 L S6	73 oct.No storage.Port rnwy lgts. Poles NW.
Skyport (Houston)	5 S;hwy W	46	32 S4	80 oct.
Sportsman (Houston)	6 ENE;RR N	60	30 S4	80 oct.
Stephens (Marlin)	2 ESE;RR N,SSW	318	19 S2	80 oct.Cattle on fld,Pole W.
Stewart (Tyler)	2.5 E;hwy N	520	25 S6	80 oct.Poles W.
Taylor	2.2 WNW;RR S	520	24 S4	73 oct.
Temple	5.5 NW;rd SW,NW	675	54h	
Temple 40, JI-FV	2 NNW;hwy SW	763	28h L3 S4	73,80 oct.
Waco	7 NNE;bet RRs	466	63h	
WACO MUNICIPAL	6 NW;lake S	500	57h R1 L5 S4	80,91 oct.
#5 (Prairie Hill)	2 S;hwy N	560	40h	
Wharton	1.8 ENE;RR N	100	45 S2	80 oct.
Yoakum	4 N;hwy W	375	20 S6	80 oct.
* Int.7,JR-HO	5 NW;hwy S	387	39 L3	
Gage (Teague)	1.7 N		22 S4	80 oct, Pwr line W,Data unver,
Byrn's Sky Ranch (Hillsboro)	5.8 NE	820	25 S6	80 oct, Data unverified.
→ (P) Montgomery County Arpk (Conroe)	3.5 NE; hwy W	245	46h L S6	80,91,100 oct.Lgts on req.
→ Hearne	Adj.E;RP E,NE	350	21 S1	80 oct. Data unverified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

HOUSTON


TO WAXAHACHIE
SHREVEPORT 99
ENNIS 18 S
FORT WORTH 95
SCALE OF MILES
10 0 10 20 30
CLEBURNE NORTHWEST – 780' 19 S
PARKER – 847' 31 L
POUNDS – 543' 5TH S
STEWART – 520' 25 S
CORSICANA COM – 400' 26
75° – 480' 21 S
BYRN'S SKY RANCH
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.
CORSICANA MUN – 448' 20H
WACO MUN – 500' 57 H L S
WACO 385 (116.1)
WACO NO 5 – 560' 40H
WACO – 466' 63 H
JACKSONVILLE – 500' 26 S
BLACKLAND NO 1 – 575' 55H
GAGE
MEXIA – 550' 24 S
FORT WORTH SAN ANTONIO
PALESTINE – 410' 40H L S
SCOTT – 780' 25 S
RICH – 575' 37 S
NEWLAND – 410' 25 S
RIESEL – 371' 51
CAMP HOOD AAF – 920' 36 S
STEPHENS 19 S
TEX 13 DAL
KILLEEN – 833' 33 S
TEMPLE – 675' 54 H
HAMMOND – 393' 30 L
BELTON – 511' 21 S
TEMPLE – 763' 28H L S
HEARNE
COULTER – 360' 22 S
SAM HOUSTON STATE COLLEGE – 401' 24 S
GEORGETOWN 41 H L S
HAILE – 725' 23 S
BRYAN AAF – 261' 55 H
EASTERWOOD – 320' 52H S
NAVASOTA 212 (116.1)
MONTGOMERY CO. 46H S
ROBERT MUELLER – 620' 46H L S – 272 (118.7)
NAVASOTA – 330' 30 L
AUSTIN 281 (116.1)
BERGSTROM AAF – 515' 70H L S – 396 (126.18)
CYPRESS
JACKSON 25 S
ERWIN NEWMAN – 50' 28 S
SKYPORT – 46' 32 S
HOUSTON 332 (116.1)
FAURIE – 340' 18 S
SCHULENBURG – 344' 20 S
MAIN STREET – 50' 22 S
SAM HOUSTON – 60' 30 S
HOUSTON
WEBSTER
LULING 21 S
YOAKUM 236
WHARTON – 100' 45 S
RICHMOND 391
ARCOLA
YOAKUM – 375' 20 S
HEFNER – 104' 21 S
MINOR STEWART – 58' 20 S
YOAKUM – 387' 32 L
HOUSTON – 50' 47 H S – 278 (118.5, 126.18)
LOUISE – 120'
CUERO – 195' 53
ELLINGTON AAF – 39' 52 H
DAMON – 60' 22
CORPUS CHRISTI 114
SAN ANTONIO 115
BEAUMONT 119
TO SHREVEPORT
TO GALVESTON
AMBER 1
BLUE 5
RED 32
GREEN 6
67
62
129
189
309
106
90
9
223
131
214
34
311
187
221
97
150
277
309
38
75
29
41
32
15
2000
3000
4000
5000
97°49'
95°08'
32°22'
31°30'
31°
30°30'
30°
29°30'
29°05'
97°30'
96°30'
96°
95°30'
● DESIGNATED RADIO FIX ○ NON-COMPULSORY REPORTING POINT

BEAUMONT


SHREVEPORT 99
TO SHREVEPORT
SHREVEPORT 230
339
LITTLE ROCK 102
HENDERSON – 410'
19 S
CARTHAGE AIR SVC.
FORT WORTH SAN ANTONIO
HODGE – 300'
24
LA 3 C.A.
CARTHAGE – 320'
18 S
NACOGDOCHES – 370'
43H S
LA 3 C.A.
DE SOTO PARISH – 322'
51H
NATCHITOCHES – 115'
41H L S
WINNFIELD
16
TEX C.A.
POLLOCK – 211'
45H
130
ALEXANDRIA
70H
ALEXANDRIA
251
LUFKIN – 315'
31 S
221
TEX 27 D.A.
BLUE 13
NEW ORLEANS SAN ANTONIO
LEESVILLE –
10
LA 4 D.A.
NORTH CAMP POLK – 340
14H
40
SOUTH CAMP POLK – 300'
21H
HOUSTON 118
NEW ORLEANS 122
DE RIDDER AAB – 193'
45H
LA 7 D.A.
160
LAKE CHARLES AAF – 12'
63H L S – 201 (126.18)
LAKE CHARLES
242
(116.1)
JENNINGS – 20'
32 S
BEAUMONT
368
(116.1)
BEAUMONT – 20'
34 L S
LAMAR
22 S
ORANGE – 20'
18 S
2000
264
SKY HARBOR – 24'
22 S
250
70
178
PRESTON – 34'
40
3000
57
LAKE CHARLES – 17'
26 S
LE GROS MEMORIAL – 16'
43H
GREEN 6
PARKER – 6'
34 S
241
JEFFERSON CO – 15'
51H L
LA 7 D.A.
352
340
HOUSTON
332
TRI-CITIES – 25'
24 S
GULF COAST – 8'
23 S
WEBSTER
215
309
BLUE 5
135
GALVESTON
263
(116.1)
29
GALVESTON – 7'
60H S
35
305
NAF. HITCHCOCK (LTA) – 20'
20H – 3295
95°
94°30'
94°
93°30'
93°
92°27'
32°22'
95°08'
94°30'
32°
31°30'
31°
30°30'
30°
29°30'
29°05'
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
Ⓡ: EXTREMELY HAZARDOUS
①: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

BEAUMONT

RADIO — LOUISIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	251 (DAI)	MRAWZ,310°,5.7	
LAKE CHARLES	242(LC)(116.1)	SBRAZ-VDT	(4);116.1
Lake Charles AAF	201 (126.18)	CA:340°,2.3	(4) only
TEXAS			
BEAUMONT (Jefferson Co.)	368(JU)(116.1)	BMRLZ-VDT,160°,3.8	(4);116.1
GALVESTON	263(GS)(116.1)	SBMRLZ-VDT,125°,4.2	(4);116.1
HITCHCOCK NAF-LTA-HTA	3295	CN	3105,6390 (days)
WEBSTER PM	(- -)	PM,129°,9.3	Houston

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. kcs.: Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — LOUISIANA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ALEXANDRIA	5.5 W;riv 2N	86	70h	
De Quincy (NC)	1.5 SW;RR NW	78	24	Cattle on fld.Trees N,E.
(A) De Ridder AAB (A)	3.5 WSW;RR S	193	45h	INACTIVE.
(P) De Soto Parish(Mansfield)	4.3 NW;hwy S	322	51h	
Hart (Many)(NC)	1.8 SSW;RR E	242	24	Trees NNE.
Hodge	0.5 ENE;hwy NW	300	24	Cattle on Fld.
Jennings	1.4 NNW;RR SW	20	32 S2	80,91 oct.Pole line E.
Lake Charles	5.2 SSW;hwy N	17	26 S6	80 oct.Pole line N. Rnwy data unver
(A,N) LAKE CHARLES AAF (A)	4 ESE;RR NE	12	63h R2 L5 S6	91,100 oct.JP-1.No storage.
(A) Leesville Landing Strip	2 NW		10	L-type acft. (A)
Le Gros Mem'l (Crowley)	6.5 WSW;RR N	16	43h L5	Ctc lgts prior req.
McArthur (Alexandria)	2.8 W;hwy E,N	86	12 S1	Ltd 80 oct.Trees N,S.
(P) Natchitoches	1.5 SSW;RR E	115	41h L5 S6	80 oct.,ltd 90 oct.Ctc lgts prior
(A) North Camp Polk Landing Strip (Camp Polk)(A)	6 NE	340	14h	req. No bcn.
Oakdale (NC)	3 W;hwy N	123	27	Trees WSW,ENE.
Pollock	4.5 SW	211	45h	
(A) South Camp Polk Landing Strip (Camp Polk)(A)	Adj E	300	21h	
Winnfield	3 NW;hwy E	600	16	Trees N.
TEXAS				
Angelina Co. (Lufkin)(NC)	7.5 SSW;RR W	288	42	Cattle on fld.
Beaumont	6.8 W;bet RRs	28	34 L3 S6	73,80 oct.Fld lgts prior req.
Carthage	2 E;hwy N	320	18 S1	Ltd 80 oct.
" Air Service	1.3 W;hwy N,S	310	30 S2	80,91 oct. Pole line N.Trees E,W.
GALVESTON	3.5 WSW;Gulf S	7	60h R1 S6	80,91 oct.
Gulf Coast (Texas City)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct.No storage.Pole line N.
Henderson	2.1 WNW;hwy S	410	19 S2	73 oct.
(N) Hitchcock NAF(LTA)(N)	2.3 SW;RR ENE	20	20h R1	
Humphrey (Goose Creek)(NC)	4 NNE;RR E	34	24	Pole line NW,W.
(P) Jefferson Co. (Beaumont)	9.8 SSE;hwy NE	15	51h R1 L5	
Lamar (Beaumont)	4 SE;riv NE	17	22 S4	80 oct.No sto.Poleline N,S.
Lufkin	2 NW;hwy N	315	31 L1 S6	73,80 oct.
Nacogdoches	4 WSW;hwy E	370	43h S5	80,91 oct.
Orange	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur)	4 NW;RR NE	6	34 S6	80 oct.
Preston (Houston)	2.5 WNW LaPorte	34	40	
Richter (Kirbyville)(NC)	1.5 S;RR E	175	16	
Sky Harbor (Anahuac)	0.3 S;hwy N	24	22 S1	80 oct.
Tri-Cities (Goose Creek)	2.6 N;RR E	25	24 S2	80 oct.Pole line SE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

RADIO — LOUISIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARATARIA FM	(- -)	FM, 171°, 20	New Orleans
BATON ROUGE (Harding)	347 (RX)	MRLWZ, 128°, 3.4	
LAFAYETTE	227 (UQ)(116.1)	MHVT	(4): 116.1
LA PLACE FM	(- - -)	FM, 271°, 16.8	New Orleans
MADISONVILLE FM	(- - - -)	FM, 353°, 32	New Orleans
MOISANT AIRPORT (New Orleans)	278 (118.3)(126.18)	C (ILS)	(4): 131.9, 118.3, 126.18
NEW ORLEANS (Moisant)	338 (MO)(116.1)	SBRAZ-VDT, 271°, 3.2	(3):116.1
→ New Orleans Airport	382 (126.18)	CA	(4):126.18
New Orleans NAS	323 (142.74)	CN	(3): 142.74 (8-sunset)
NEW ORLEANS FM	(-)	FM, 63°, 11	New Orleans
MISSISSIPPI			
→ FLORENCE FM	(- - -)	FM.173°,14.6	Jackson
JACKSON AIRPORT	278(126.18)(118.7)	C	(4):126.18,118.7,131.9

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	AFFS. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MOISANT, LA.	109.9	333.8	100° Mag.	IM ·····(.04)	MM	OM --(4.5)	
						OMK	

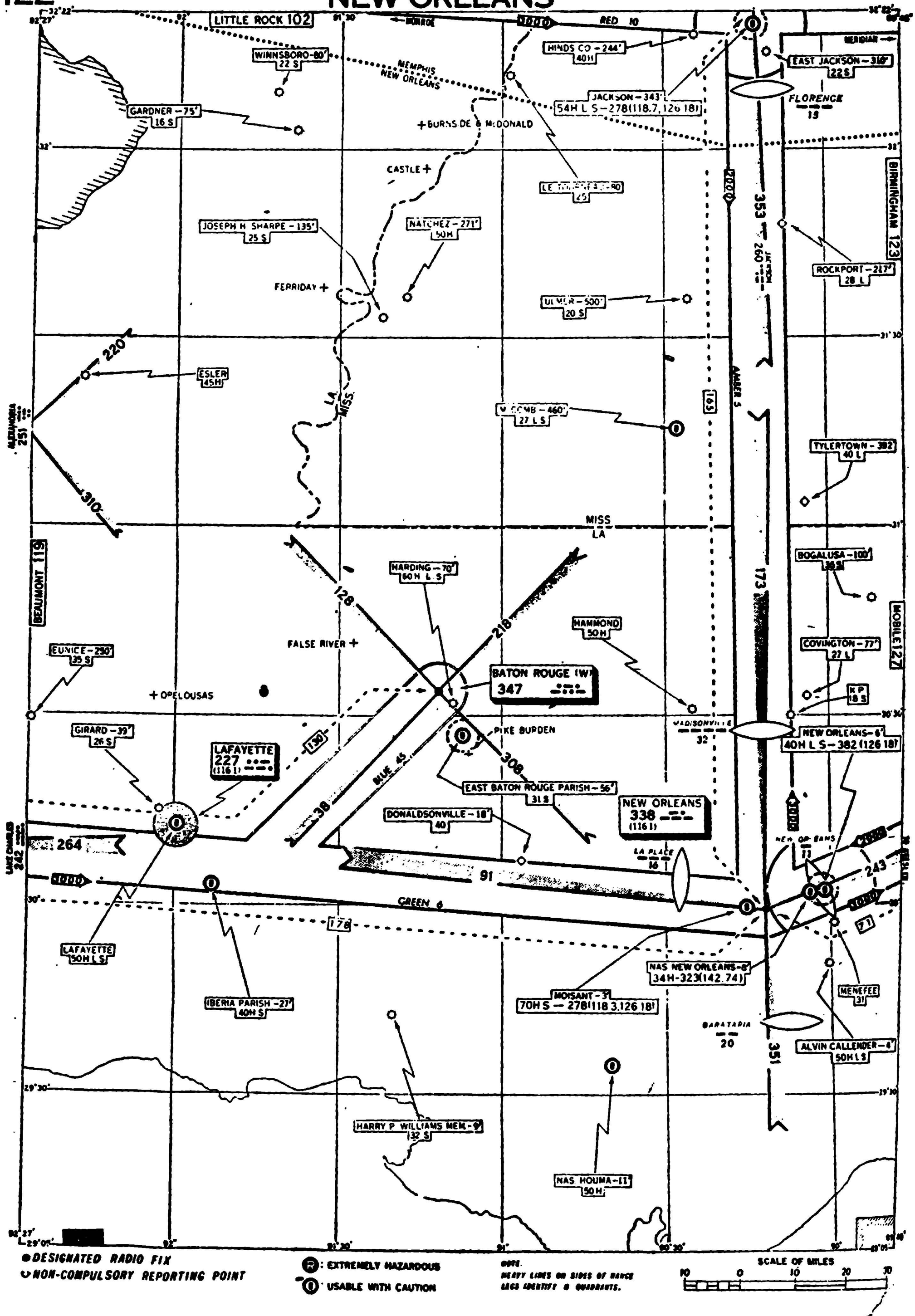
S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs., Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available

AIRPORTS — LOUISIANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alvin Callender (New Orleans)	9 SSE; RR E	4	50h L5 S4	73, 80, 91 oct.
Bogalusa	2.4 N; RR E	100	35 S6	73, 80 oct. No sto. Pole S.
Burnside & McDonald (Newellton)	1 WSW	77	50	Data not verified.
Castle (St. Joseph)	2 N	75	20 S4	80 oct. No sto. Data not verified.
Chapman (New Orleans)(NC)	8.5 NE; lake N	4	22	15' trees NW. Cattle on field.
✱ Covington Int. 3. MO-LS	6 NNE; hwy W	77	27 L3	Pole line W.
✱ Donaldsonville Int. 26. MU-NO	3 ENE; hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge)	4 E; hwy N, E	56	31 S4	80, 91 oct. Pole line S.
Esler (Alexandria)	11 NE; Bayou S	92	45h	
Eunice	1.7 W; hwy N	250	35 S2	80 oct.
False River (New Roads)	1.5 W	30	25 S1	80 oct. Data not verified.
Ferriday	1 N	55	18	Data not verified.
Gardner (Gilbert)	1 E; hwy S	75	16 S1	Ltd 73 oct.
Girard (Lafayette)	2.5 NW; hwy E	39	26 S6	80, 87 oct. Obsts sur fld.
Grand Isle (NC)	2.6 NE; hwy NW	4	22	
Hammond	2 ENE; RR S	40	50h	
HARDING (Baton Rouge)	5.8 NNE	70	60h L5 S2	91 oct. No ben.
Harry P. Williams Mem'l(Patterson)	2 WNW; bet RR, hwy	9	32 L2 S2	73 oct. No ben. Lgts prior req. Pole line NW.
(N) Houma NAS (LTA)(N)	3.1 ESE; RR NE	11	50h	INACTIVE.
Iberia Parish (New Iberia)	5 NW; RR NE	27	40h L1 S6	73-91 oct. Ben prior req.
K-P (Covington)	1.6 NW; RR S	27	18 S2	80 oct.
Lafayette	1.5 SE; RR W	40	50h R1 L5 S1	91 oct. Pole line S.
Menefee (New Orleans)	5.2 E; riv S	1	31	Pole line S.
(N) MOISANT INTERNATIONAL(New Orleans)	11 W; riv S	3	70h R3 L5 S1	80,91,100 oct. Avail. only to Army, Navy, Airlines.
(A) New Orleans	6.5 NNE; RR S	8	40h R1 L4 S4	91, 100 oct; 100 oct Govt contract.
(N) New Orleans NAS (N)	4.6 N; on lake	7	34h R1	Tower NE.
Opelousas	1.5 NE	35	18	Data not verified.
Pike Burden (Baton Rouge)	5 SE	35	50 S1	80 oct. Data not verified.
Texaco (New Iberia)(NC)	2.6 N; hwy W	21	18	Poles W, WSW. Cattle on fld.
Wimsboro	1.2 ESE; RR SW	60	22 S1	80 oct.
MISSISSIPPI				
East Jackson (Jackson)	3.1 SSE; hwy NW	310	22 S6	80 oct. Trees N.
Hinds County (Jackson)	12.8 W	244	40h	
(A,N) JACKSON	3 NW; RR SW	343	54h R2 L5 S6	80, 91, 100 oct. Tank, stack E.
Joseph H. Sharre (Natchez)	1.8 ESE; RR S	135	25 S2	73 oct.
LeTourneau (Yokena)	2.5 NW; riv W	80	25 L2 S4	No fuel. Lgts prior req. Caution - wet.
McComb	1.3 NW; hwy E	460	27 L3 S6	80,91 oct. No ben; lgts prior req. Obsts sur fld.
(P) Natchez	7.1 ENE; RR S	271	50h	
✱ Rockport Int. 12. MO-LS	1.5 E; riv W	217	28 L3	
✱ Tylertown Int. 7. MO-LS	6 SE; road E	392	40 L3	
Ulmer (Brookhaven)	1.5 ENE; RR W	500	20 S4	73 oct. No sto. Pole line W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

NEW ORLEANS



● DESIGNATED RADIO FIX

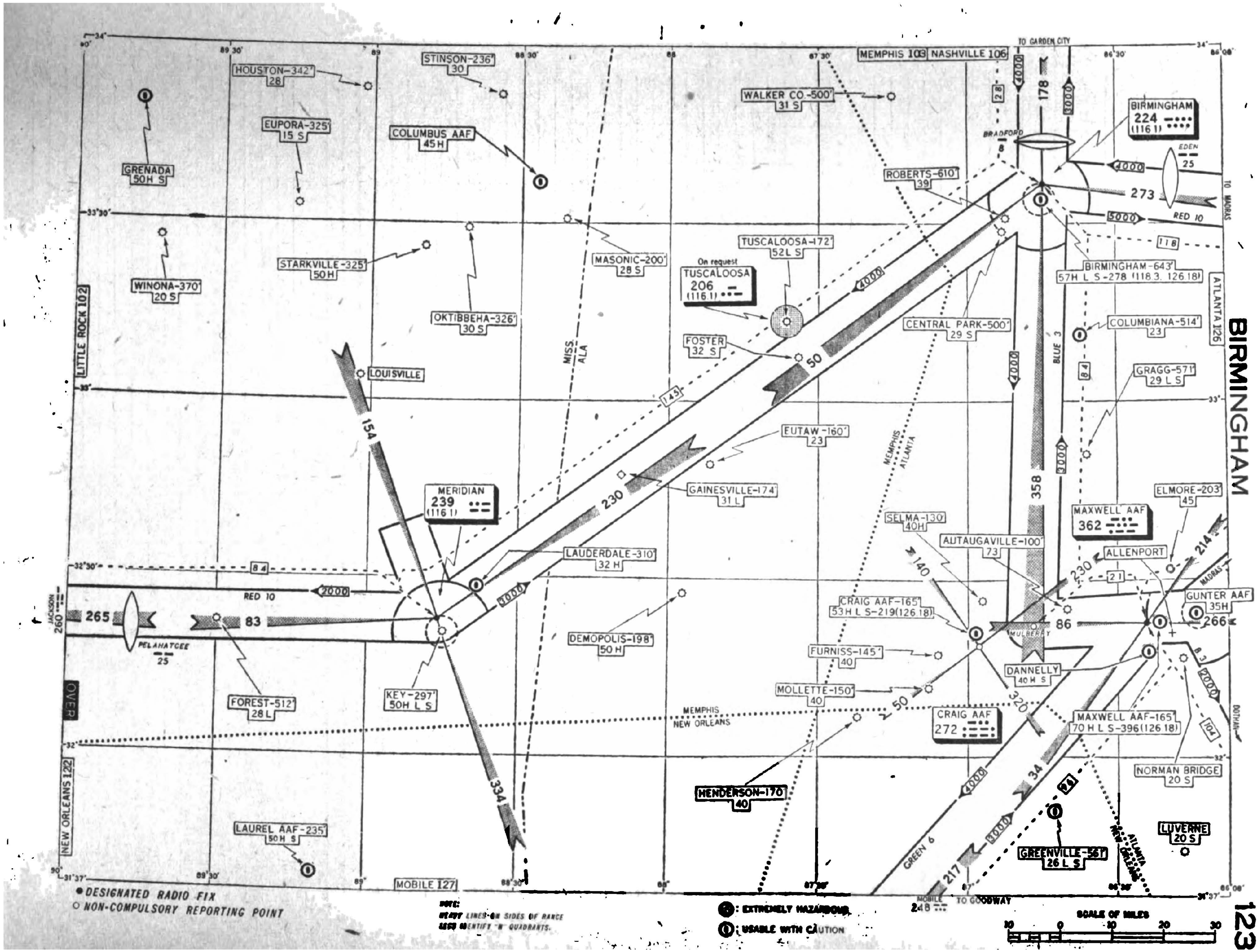
◡ NON-COMPULSORY REPORTING POINT

(R): EXTREMELY HAZARDOUS

(0): USABLE WITH CAUTION

NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 8 QUADRANTS.

BIRMINGHAM


HOUSTON-342'
28
STINSON-236'
30
MEMPHIS 103 NASHVILLE 106
TO GARDEN CITY
WALKER CO.-500'
31 S
EUPORA-325'
15 S
COLUMBUS AAF
45 H
GRENADA
50 H S
BIRMINGHAM
224
(116 I)
EDEN
25
ROBERTS-610'
39
273
RED 10
TO MADRAS
WINONA-370'
20 S
STARKVILLE-325'
50 H
MASONIC-200'
28 S
TUSCALOOSA-172'
52 L S
On request
TUSCALOOSA
206
(116 I)
BIRMINGHAM-643'
57 H L S-278 (118 3, 126 18)
ATLANTA 126
OKTIBBEHA-326'
30 S
CENTRAL PARK-500'
29 S
COLUMBIANA-514'
23
LITTLE ROCK 102
MISS. ALA.
FOSTER
32 S
LOUISVILLE
GRAGG-571'
29 L S
EUTAW-160'
23
MERIDIAN
239
(116 I)
GAINESVILLE-174'
31 L
ELMORE-203'
45
SELMA-130'
40 H
MAXWELL AAF
362
AUTAUGAVILLE-100'
73
ALLENPORT
LAUDERDALE-310'
32 H
RED 10
265
PELAHATCHEE
25
83
GUNTER AAF
35 H
266
CRAIG AAF-165'
53 H L S-219 (126 18)
DEMOPOLIS-198'
50 H
FURNISS-145'
40
DANNELLY
40 H S
MOLLETTE-150'
40
FOREST-512'
28 L
KEY-297'
50 H L S
MEMPHIS
NEW ORLEANS
CRAIG AAF
272
MAXWELL AAF-165'
70 H L S-396 (126 18)
NORMAN BRIDGE
20 S
HENDERSON-170
40
LAUREL AAF-235'
50 H S
LUVERNE
20 S
GREENVILLE-561'
26 L S
MOBILE 127
TO GOODWAY
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE
USED IDENTIFY "N" QUADRANTS.
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SCALE OF MILES
30 0 10 20 30

BIRMINGHAM

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BIRMINGHAM	224(BH) (116.1)	SBRAZ-VDT	(3); 116.1
→ Birmingham Airport	278 (126.18) (118.3)	AC, 178°, 3	(4);131.9,126.18,118.3
BRADFORD FM	(-)	FM, 358°, 8	Birmingham
CRAIG (Selma)(Army)	272 (DPP)	MRLZ	(3);126.18
Craig Field	219 (126.18)	CA; 320°, 2.5	(3); 126.18
EDEN FM	(- -)	FM; 93°, 25.1	Birmingham
GUNTER FIELD(Montgomery)	201 (126.18)	CA	INACTIVE
MAXWELL (Montgomery)(Army)	362 (DXW)	SBRAZ	(4)
Maxwell Field	396 (126.18)	CA; 86°, 2	(4); 126.18
TUSCALOOSA	206(TU)(116.1)	MHVT	(4); 116.1

MISSISSIPPI

MERIDIAN (Key)	239(UM)(116.1)	SBRAZ-VDT;154°,2.8	(4); 116.1
PELAHATCHEE FM	(- -)	FM, 85°, 25	Jackson

S-Simultaneous Range and Voice, W-Without Voice; Z-VHF Station Location Marker at Range Staben, (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ALABAMA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allenport (Montgomery)	4 SE	175	30 S5	80,91oct.183' twr NW.Data unver.
Autaugaville (Selma)	20.5 W	100	73	
(A) BIRMINGHAM	5.5 NE;RR S	643	57h R2 L5 S3	73-100oct.JP-1.Rdo rec req.
Central Park(Birmingham)	5.2 SW;RR E	500	29 S6	80 oct. No sto.
Columbiana	1.5 WNW	514	23	Lgt acft only.
(A) Craig (Selma)(A)	4.8 SSE	165	53h R2 L5 S6	91,100 oct.
DANNELLY (Montgomery)	7.5 SW;RR E	219	40h S1	80,91 oct.
(P) Demopolis	7.8 WSW;riv NW	198	50h	
(A) Elmore (Montgomery)(A)	10 N;hwy N	203	45	INACTIVE.
Eutaw	2 SE;hwy N	160	23	Pole line W.
Foster(Tuscaloosa)	5.5 S	236	32 S4	Ltd 73 oct.Pwr line E.
Furniss (Selma)	10 SSW	145	40	
* Gainesville Int,55,FV-AG	2 S;hwy W	174	31 L2	
Gragg,27,PS-TM(Clanton)	2.2 NE;creek S	571	29 L3 S2	80,91oct. Hill E.
Greenville,24,MO-AG	5.5 WNW;hwy S	561	26 L2 S4	80 oct.
(A) Gunter (Montgomery)(A)	5 NE	221	35h	INACTIVE.
Henderson (Selma)	29 SW; riv W	170	40	
Luverne	1.7 NNW;RR E	300	20 S1	73 oct.Pole line W.
(A) Maxwell(Montgomery)(A)	3 WNW	165	70h R2 L5 S6	73,91,100oct.No sto.JP-1
Mollette (Selma)	16.2 SSW	150	40	
Norman Bridge(Montgomery)	5.8 S;RR E	172	20 S4	73 oct. No sto.
Roberts (Birmingham)	3 W;RR N	610	39	
Selma-Selfield (Selma)	4 ENE;RR S	130	40h	
Tuscaloosa,59,FV-AG	3 NW;RR N	172	52 R1 L3 S6	73,80 oct.Pole,trees N.
Walker County (Jasper)	2.5 NNE;RR W	500	31 S2	80 oct.

MISSISSIPPI

(A) Columbus AAF (A)	10 N;RR E	205	45h	INACTIVE.
Eupora	1 NE;hwy S	325	15 S2	80 oct.Hill NW.
Forest,46,FV-AG	1 W;RR S	512	28 L3	
Grenada	3 N;RR S	197	50h L5 S2	80,91 oct.Ctc lgts req.
Houston	1.5 SW;hwy SE	342	28	Trees W,SE,N; bldg SE.
→ KEY (Meridian)	3.5 SW;RR E	297	50h R1 L5 S4	80,91 oct. Ctc lgts prior req.
Lauderdale Civil(Meridian)	9 NNE;hwy E	310	32h	
(A) Laurel AAF	3 SW;RR SE	235	50h L S4	80,91 oct.Portable rnwy lgts.INACTIVE.
Masonic (Columbus)	3.9 ENE;hwy S	200	28 S2	80 oct.
O'Keefe (Newton)(NC)	1.5 ESE;RR N	363	26	Trees NE,SE,NW.UNUSABLE.
Oktibbeha (Starkville)	7.5 ENE;hwy E	326	30 S6	73 oct.
(P) Starkville (Columbus)	2 SW Starkville	325	50h	
Stinson (Aberdeen)	3 NW;hwy NE	239	30	
Winona	1.3 SSE;RR W	370	20 S4	73,91oct. Lgt acft only.
→ Louisville Air Service	3.9 S;RR W	500	16 S1	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted.

→ NEW OR REVISED DATA

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANNISTON	206 (K J)(116.1)	MHVT	(4): 116.1

GEORGIA

ALBANY (Turner Aux. Fld. #1)	254 (GY)(116.1)	BMRLZ-VDT.298°2.3	(4): 116.1 (VDT Stn lctd at Albany Arpt.)
ATLANTA	266 (AG)(116.1)	SBRAZ-VDTX	(3): 116.1
→ Atlanta Airport	278 (118.7) (126.18)	AC (ILS):331°,1.9	(4):126.18,118.7,131.9
Atlanta (Navy)	323 (NCQ)	MRLWZ	
Atlanta NAS	356 (142.74)	CN: 86°,3.2	3105,4495,3117.5,142.74
EAST POINT LFM	(- - - -)	LFM, 331°,6.5	Atlanta
JONESBORO	219 (H)	FMK: 133°,11	Atlanta
JONESBORO FM	(- -)	FM, 133°, 11	Atlanta
LAWSON, (Columbus)(Army)	379 (DVL)	MRLZ	
Lawson Field	278 (126.18)	CA: 21°, 3.3	(3): 126.18
MACON (Herbert Smart)	209 (UN)(116.1)	BMLZ-VDT:246°,4.8	(4): 116.1
MADRAS FM	(- - - -)	FM, 230°, 22.8	Atlanta
MARIETTA AAF	396 (126.18)	CA	4495,6210,126.18 (8-20)
SMYRNA FM	(- - - - - -)	FM, 331°, 22	Atlanta
STONE MOUNTAIN FM	(-)	FM, 55°, 17.25	Atlanta
TURNER LFM (Army)(NC)	(- - -)	FM, 202°, 11.6	Albany (On req)
WARNER-ROBINS (Robins Fld)	284(126.18)	CA	(3):126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ATLANTA, GA.	109.9		329° Mag.	IM	MM	OM — — (3.1)
				MKR 201 - - - - (.68)		OMK

S-Simultaneous Range and Voice, W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs.
Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available

AIRPORTS — ALABAMA

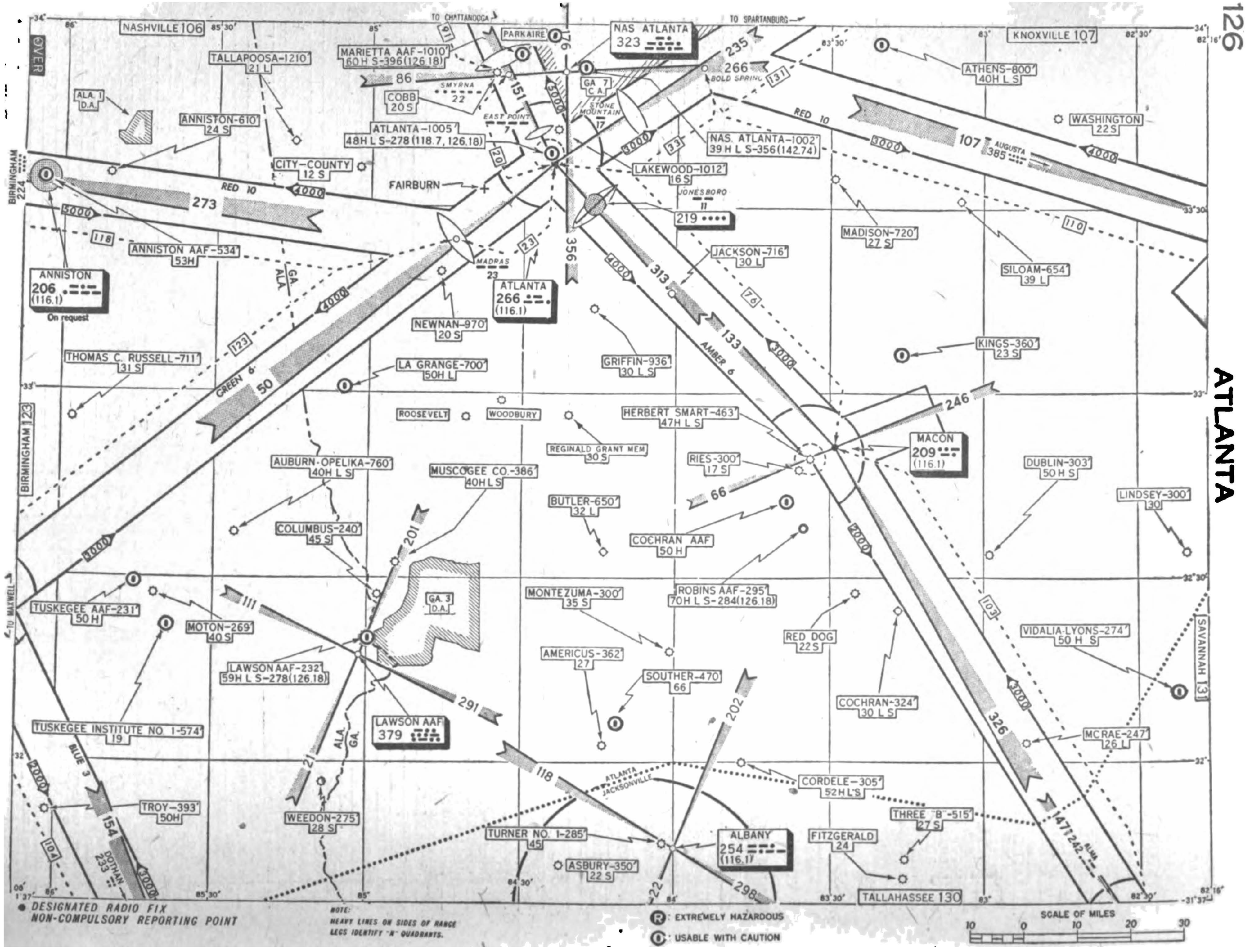
AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Anniston	5.5 SSW	610	24 S3	80 oct. Pole line W. lgtd.
(A) Anniston AAF (A)	15 SW; hwy N	534	53h R1	INACTIVE.
(P) Auburn-Opelika (Auburn)	2.8 E; RR N	760	40h L5 S5	80 oct. Fld lgts prior req.
Moton (Tuskegee)	3 N; RR,riv E	269	40 S6	73-91 oct. No sto. Twr S end.
Talladega (NC)	2.6 NE; RR SE	590	20	Pole line E, hill W.
Thomas C. Russell(Alexander Cy)	1.5 SW; hwy E	711	31 S5	80 oct.
(P) Troy	4.8 NNW; rd E	393	50h	
(A) Tuskegee AAF (A)	7.3 NW; RR S	231	50h	INACTIVE.
Tuskegee Institute #1	4 SSE; hwy W	574	19	
Weedon (Eufaula)	4.3 NNE; hwy E	275	28 S2	80 oct.

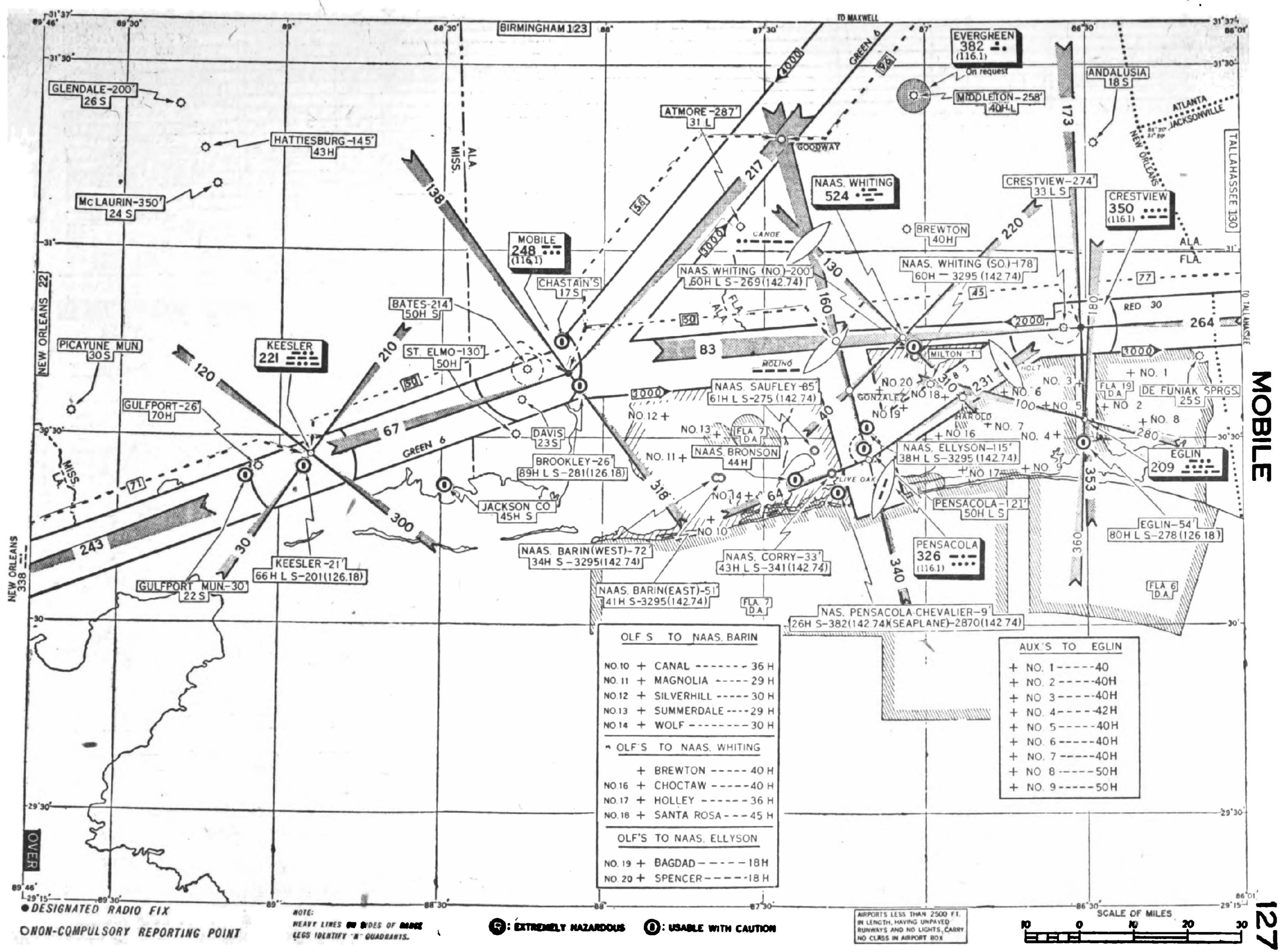
GEORGIA

Americus	1.5 S; RR W	362	27	Trees E, W, NE.
Ashbury (Dawson)	5.7 SE; RR N	350	22 S1	Ltd 80 oct. Pole NNW.
Athens	3.5 E; RR N	800	40h L4 S6	80, 91 oct.
(A) ATLANTA	8 S; RR N	1005	48h R3 L6 S6	73-100 oct.Rdo rec req.Trees NW.
(N) Atlanta NAS (N)	8.5 NNE; hwy SE	1002	39h R2 L6 S6	100 oct. NAFC.
★ Butler Int,14, T J-AG	0.5 NW; RR S	650	32 L3	Poles S.
City-County (Carrollton)	3.3 NE; hwy E	1200	12 S1	Ltd 73 oct.
Cobb (Marietta)	6.4 SSW; rd S	1050	20 S6	Ltd 80 oct.No sto.Trees NW.
(A) Cochran (Macon) (A)	10 S; RR E	352	50h	INACTIVE.
★ Cochran Int,50,MM-AG	5 NE; rd N	324	30 L2 S6	80 oct. Poles NW, NE, S, SE.
Columbus	1.5 SSE; riv SW	240	45 S4	80 oct.
(P) Cordele	1.6 NNE; RR W	305	52h L3 S1	90 oct.
(N,P) Dublin	4.5 WNW; hwy S	303	50h S1	73 oct.
Fairburn	3.5 SW; RR S		24 S2	80 oct.Hi-line SE. Data not verified.
Fitzgerald	2 SSW; RR W,E	365	24	
Griffin	1.5 S;hwy E	936	30 L3 S6	80 oct. Twr E.
HERBERT SMART (Macon)	4 ESE;hwy W	463	47h R1 L5 S6	80,91 oct.,
★ Jackson Int, 57, MM-AG	4.6 SW; rd S	716	30 L3	Barn E; bldg W.
Kings (Milledgeville)	1.5 NW; RR W	360	23 S4	80 oct. No sto.
(P) La Grange	3 SW; RR ESE	700	50h L2	
Lakewood (Atlanta)	4 S; hwy W	1012	16 S4	80 oct. Pwr line SE end NW-SE strip.
(A) Lawson (Columbus) (A)	9.5 S; riv W	232	59h R2 L5 S6	91,100 oct. No sto.
Lindsey (Swainsboro)	2.3 S; RR W	300	30	Pole line E.
McRae ● 47,MM-AG	2 SE; RR NE	247	26 L3	
Madison	2 SSW; RR E	720	27 S2	80 oct. Pwr line SSE.
(A) Marietta AAF (A)	2.5 SE	1010	60h R1 L5 S4	73,100 oct. JP-1. Lgts avail. up to 2000.
Montezuma	1.5 E; RR S,W	300	35 S1	Ltd 80 oct.
Morton (Palmetto)	1.8 NNE; RR SW	1020	24 S6	80 oct.
MUSCOGEE CO.(Columbus)	6 NE; Hwy E	386	40h L5 S6	80,91 oct. Fld lgts prior request.
Newnan Airpark	3.7 SE; RR W	970	20 L1 S1	80 oct.
Red Dog (Cochran)	6.2 NW; RR W	300	22 S4	80 oct. Trees N, E.
Reginald Grant Mem'l(Thomaston)	3.7 NNW;hwy NE	750	30 S4	80 oct. Trees S.
Ries (Macon)	4.5 SE; RR W	300	17 S1	Ltd 80 oct - emerg. Trees N, E.
(A) Robins (Warner-Robins)(A)	1.5 NE Wellston	275	70h R1 L5 S6	62,73,91,100 oct. JP-1.
Roosevelt (Warm Springs)	3.5 N; hwy W	870	22 S2	80 oct. Trees SE, SW, NW.
★ Siloam Int,7B, AG-CS	1.3 S; road W	654	39 L3	82' mast SE corner N/S strip.
Souther (Americus)	4 NE; RR W	470	66	
★ Tallapoosa Int,73,FV-AG	5.5 SSE	1210	21 L3	Trees SE; house NW.
Three "B" (Fitzgerald)	1.5 N	515	27 S1	80 oct.
Turner #1 (Albany)	15 NE	285	45	
(A) Vidalia-Lyons	3.2 SE; hwy N	274	50h S1	80 oct.
Washington	1.4 NW; RR SE	600	22 S1	80 oct.
Parkaire(Marietta)	7.7E;hwy SW	1100	22 S1	80 oct.
Woodbury	1.5 E	770	16 S1	Fuel. Data unver.

H-hard surfaced runways. R-radio facilities. L-lighting facilities S-servicing (See page [illegible]) (NC)-Not charted. → NEW OR REVISED DATA

ATLANTA


NASHVILLE 106
TALLAPOOSA–1210' 21 L
ALA. 1 D.A.
ANNISTON–610' 24 S
BIRMINGHAM 224
CITY–COUNTY 12 S
RED 10
273
5000
118
ANNISTON AAF–534' 53H
ANNISTON 206 (116.1)
On request
GA ALA
4000
123
THOMAS C. RUSSELL–711' 31 S
GREEN 6
50
BIRMINGHAM 123
TO MAXWELL
4000
TUSKEGEE AAF–231' 50 H
MOTON–269' 40 S
TUSKEGEE INSTITUTE NO 1–574' 19
BLUE 3
2000
154
DOTHAN 233
3000
104
TROY–393' 50H
AUBURN–OPELIKA–760' 40H L S
COLUMBUS–240' 45 S
MUSCOGEE CO.–386' 40H L S
111
LAWSON AAF–232' 59H L S–278(126.18)
21
ALA GA
WEEDON–275' 28 S
GA. 3 D.A.
LAWSON AAF 379
291
201
TO CHATTANOOGA
PARKAIRE
MARIETTA AAF–1010' 60 H S–396(126.18)
86
SMYRNA 22
COBB 20 S
151
ATLANTA–1005' 48H L S–278(118.7, 126.18)
EAST POINT 7
20
FAIRBURN
MADRAS 23
ATLANTA 266 (116.1)
23
NEWNAN–970' 20 S
LA GRANGE–700' 50H L
ROOSEVELT
WOODBURY
REGINALD GRANT MEM 30 S
BUTLER–650' 32 L
ASBURY–350' 22 S
TURNER NO. 1–285' 45
22
298
ALBANY 254 (116.1)
ATLANTA JACKSONVILLE
118
MONTEZUMA–300' 35 S
AMERICUS–362' 27
SOUTHER–470' 66
202
ROBINS AAF–295' 70H L S–284(126.18)
RED DOG 22 S
COCHRAN AAF 50 H
66
COCHRAN–324' 30 L S
CORDELE–305' 52H L S
FITZGERALD 24
TALLAHASSEE 130
THREE "B"–515' 27 S
1471 242
ALMA
326
3000
103
VIDALIA–LYONS–274' 50 H S
SAVANNAH 131
MCRAE–247' 26 L
NAS ATLANTA 323
TO SPARTANBURG
235
266
BOLD SPRING
131
GA 7 C.A.
STONE MOUNTAIN 17
4000
RED 10
NAS. ATLANTA–1002' 39 H L S–356(142.74)
33
3000
LAKEWOOD–1012' 16 S
JONESBORO 11
219
356
4000
313
JACKSON–716' 30 L
76
133
AMBER 6
3000
NAS. ATLANTA–1002' 39 H L S–356(142.74)
107
AUGUSTA 385
4000
110
MADISON–720' 27 S
SILOAM–654' 39 L
KNOXVILLE 107
ATHENS–800' 40H L S
WASHINGTON 22 S
KINGS–360' 23 S
246
MACON 209 (116.1)
RIES–300' 17 S
HERBERT SMART–463' 47H L S
DUBLIN–303' 50 H S
LINDSEY–300' 30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30


BIRMINGHAM 123
TO MAXWELL
EVERGREEN 382 (116.1) On request
ANDALUSIA 18 S
GLENDALE-200' 26 S
HATTIESBURG-145' 43H
ATMORE-287' 31 L
GOODWAY
MIDDLETON-258' 40H L
ATLANTA JACKSONVILLE
NEW ORLEANS
TALLAHASSEE 130
MC LAURIN-350' 24 S
NAAS. WHITING 524
CRESTVIEW-274' 33 L S
CRESTVIEW 350 (116.1)
MOBILE 248 (116.1)
CANOE
BREWTON 40H
NAAS. WHITING (NO.)-200' 60H L S-269(142.74)
NAAS. WHITING (SO.)-178' 60H — 3295 (142.74)
CHASTAIN'S 17 S
BATES-214' 50H S
KEESLER 221
ST. ELMO-130' 50H
PICAYUNE MUN. 30 S
NEW ORLEANS 22
MILTON "T"
RED 30
264
NAAS. SAUFLEY-85' 61H L S-275 (142.74)
GULFPORT-26' 70H
DAVIS 23 S
BROOKLEY-26' 89H L S-281(126.18)
NAAS. BRONSON 44H
DE FUNIAK SPRGS. 25 S
EGLIN 209
NAAS. ELLYSON-115' 38H L S-3295 (142.74)
JACKSON CO. 45H S
PENSACOLA-121' 50H L S
EGLIN-54' 80H L S-278 (126.18)
KEESLER-21' 66H L S-201(126.18)
GULFPORT MUN.-30' 22 S
NAAS. BARIN (WEST)-72' 34H S-3295(142.74)
NAAS. CORRY-33' 43H L S-341(142.74)
PENSACOLA 326 (116.1)
NAAS. BARIN (EAST)-51' 41H S-3295(142.74)
NAS. PENSACOLA-CHEVALIER-9' 26H S-382(142.74)(SEAPLANE)-2870(142.74)
OVER
NEW ORLEANS 338
OLF'S TO NAAS. BARIN
NO.10 + CANAL ------- 36 H
NO.11 + MAGNOLIA ----- 29 H
NO.12 + SILVERHILL ----- 30 H
NO.13 + SUMMERDALE ---- 29 H
NO.14 + WOLF -------- 30 H
OLF'S TO NAAS. WHITING
+ BREWTON ----- 40 H
NO.16 + CHOCTAW ----- 40 H
NO.17 + HOLLEY ------ 36 H
NO.18 + SANTA ROSA --- 45 H
OLF'S TO NAAS. ELLYSON
NO. 19 + BAGDAD ----- 18H
NO. 20 + SPENCER ----- 18 H
AUX'S TO EGLIN
+ NO. 1 -----40
+ NO. 2 -----40H
+ NO 3 -----40H
+ NO. 4 -----42H
+ NO. 5 -----40H
+ NO. 6 -----40H
+ NO. 7 -----40H
+ NO 8 -----50H
+ NO. 9 -----50H
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.
E: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX
SCALE OF MILES
10 0 10 20 30

RADIO

ALABAMA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARIN FIELD NAAS(Foley) East Field	3295(142.74)	CN	3105;142.74
BARIN FIELD NAAS(Foley) West Field	3295(142.74)	CN	3105;142.74
BROOKLEY FIELD(Mobile)	281 (126.18)	CA	(4): 126.18
CANOE FM	(. . - - - -)	FM, 310°, 24.9	Whiting NAAS
EVERGREEN (Middleton)	382(EN)(116.1)	MRVT	(4);116.1
MOBILE (Brookley)	248(MS)(116.1)	SBRAZ-VDT;138°, 3	(4);116.1

FLORIDA

CORRY FLD NAAS(Pensacola)	341(142.74)	CN	3105;142.74
CRESTVIEW	350 (HW) (116.1)	SBRAZ-VDT;264°,2.6	(4);116.1
ELGIN (Valparaiso)(Army)	209 (DVQ)	MRLPZ	(Voice 6-24)(3);126.18
Elgin Field	278(126.18)	CA;180°,4	(3);126.18 (6-24)
ELLYSON FLD NAAS (Pensacola)	3295(142.74)	CN	3105;142.74 (8-16)
GULF FM	(-)	FM, 51°, 31.2	Pensacola
LIVE OAK FM	(- -)	FM, 160°, 6	Pensacola
MILTON FM	(- - - -)	FM, 340°, 21.4	Pensacola
PENSACOLA	326(KH)(116.1)	SBRAZ-VDT;340°,2.1	(4); 116.1
Pensacola-Chevalier NAS	382 (142.74)	CN	(4):142.74(sunrise-30 mins. after sunset.
Pensacola-Chevalier NAS (Seaplane)	2870(142.74)	CN	3105;142.74 (730-1630 except Sat,Sun. & holidays).
SAUFLEY FLD NAAS (Pensacola)	275 (142.74)	CN	3105,4495;142.74
WHITING (Milton)(Navy)	524 (AWT)	MRLZ	
Whiting Fld NAAS(North)	269 (142.74)	CN;130°,3.2	3105,4495;142.74
Whiting Fld NAAS(South)	3295(142.74)	CN	3105;142.74(7-22)

MISSISSIPPI

KEESLER(Biloxi)(Army)	221 (DOX)	MRLZ	(4): 4220
Keesler Field	201 (126.18)	CA: 210°, 2.9	(4): 4220

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs. (4)-3105,4495,6210,3117.5. kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Andalusia	1.7 SSE;RR N	340	18 S1	80 oct.
★ Atmore Int,16,NO-AG	6 NW;at rd int	287	31 L3	
(N) Barin NAAS-East(Foley)	2.7 ESE	51	41h R1 L1 S4	91 oct.
(N) " -West(Foley)	2.7 ESE	72	34h R1 L1 S4	91 oct.
BATES (MOBILE)	10 W;rd N,S	214	50h S6	80,91 oct.
Brewton (old)(NC)	2.5 N;hwy E	100	23	UNUSABLE.
(P) " (new)	3.5 S;riv N	92	40h	
(A) Brookley (Mobile)(A)	3 SSW;RR NW	26	89h R2 L5 S4	62,73,91,100oct.JP-1
(N) Canal OLF (Foley)(N)	8 S;rd W	16	36h	
Chastain's(Prichard)	2.5 NW;RR E	50	17 S1	80 oct.
Davis (Mobile)	12.1 WSW;RR E	180	23 S1	73 oct.
(N) Faircloth (Lillian)(N)	3 NW; bay E	70	37	
(N) Kaisers Tract OLF (Elberta) (N)(NC)	3.3 ENE;hwy S	90	25	
(N) Magnolia OLF (Foley)(N)	5.4 NW	83	29h	
(P) Middleton (Evergreen)	6 WSW; hwy N	258	40h R1 L5	Fld lgts prior req.
St. Elmo	1 WSW; RR S	130	50h	
(N) Silvernill OLF (N)	3.5 WNW	129	30h	
(N) Summerdale OLF (N)	3.5 ENE;RR W	129	29h	
(N) Wolf OLF (Josephine)(N)	1.5 N; bay E	54	30h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) (NC)-Not charted. → NEW OR REVISED DATA

FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(N) Bagdad OLF (Pensacola)	14 NE;RR SE	111	18h	Use rnwys.(N)
(N) Bronson NAAS(Pensacola(N)	12 WSW;bay W	27	44h	INACTIVE.
(N) Choctaw OLF (Pensacola)	15 ENE	111	40h	(N)
Crestview,21,NO-JX	2.5 N;RR E	274	33 R1 L2 S6	80 oct. No sto.
De Funiak Springs	1 W;RR N	197	25 S1	80 oct. Pwr line N.
(A) Eglin (Valparaiso)(A)	1.8 SW;hwy SE	54	80h R2 L5 34	73-100 oct. JP-1. No sto.
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
(N) Ellyson NAAS(Pensacola)	7.5 NNE;bay E	115	38h R1 L S6	73,91 oct.E and W flds.CLSD.(N).
Gulf Airpark (Pensacola)	3 NW		17	Data not verified. (NC)
(N) Helm OLF (Pensacola)(N)	12 NW	100	54	(NC)
(N) Holley OLF (N)	1.5 S;riv N	37	36h	
Milton "T" (NC)	3.5 ENE;RR S	150	53 S3	80 oct.
(P) PENSACOLA	4 NNE;bay E	121	50h R1 L5 S6	80,91 oct.
(N) " NAS (Chevalier)(N)	5.3 SW;RR W	9	26h R1 L S6	91 oct.Flood,obst lgts.
(N) " NAS (Corry)(N)	5 WSW;hwy SE	33	43h R1 L4 S6	91 oct.Obsts N,E,W.
(N) " OLF #1 (N)(NC)	14 NW;riv 3 W	100	46	
(N) " OLF #5 (N)(NC)	10 NNW;RR W	115	57	
(N) " OLF #6 (N)(NC)	10 NNW;RR E	110	48	
(N) " OLF #7 (N)(NC)	7 NW	103	37	
(N) " OLF #8A (N)(NC)	13 NW	100	73	
(N) " OLF #9K (N)(NC)	11.5 NNW;RR E	110	50	
(N) Santa Rosa OLF (Milton)	6 E;rive N,S,W	150	45h	(N)
(N) Saufley NAAS (Pensacola)	8.5 WNW;bay SW	85	61h R1 L5 S4	87,91 oct. (N)
(N) Spencer OLF (Pensacola)	15 NNE;bay S	145	18h	(N)
(N) Whiting NAAS-North (Milton)(N)	6 N	200	60h R2 L6 S4	73,91,100 oct.
(N) " " -South (Milton)(N)	5 N	178	60h R1	Use N fld. INACTIVE.

MISSISSIPPI

Ellisville (NC)	1.3 SW;RR SE	240	18	
Glendale(Hattiesburg)	5 NNW;hwy E	200	26 S3	80 oct.
Gulfort	3.4 NE	26	70h	
" mun.	1.3 N;RR E	30	22 L1 S1	80 oct.Twrs SE,NNE,lgtd.
Hattiesburg	5 SSE;RR SW,NE	145	43h	Poles W,NW
Jackson Co.(Pascagoula)	3.5 ENE;RR N	16	45h L5 S6	80,91 oct.
(A) Keesler (Biloxi)(A)	2 WNW;bay N	21	66h R2 L5 S5	73,91,100 oct.Rdo rqd ngts.
McLaurin	1 NNE;RR W	350	24 S4	73 oct.Lgt acft only.
Picayne	2.3 NNE	92	30 S4	73 oct.No sto.Trees N,SW.

ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
DOTHAN	338 (DHN)(116.1)	SBRAZ-VDT,47°,3.7	(4), 116.1

FLORIDA

CROSS CITY	269 (FC)(116.1)	SBMRAZ-VDT,315°,2.7	(4), 116.1
DALE MABRY FLD (Tallahassee)	281 (126.18)(118.3	C, 85°,2.7	(4), 126.18, 118.3
TALLAHASSEE (Dale Mabry Fld)	335 (T)(116.1)	SBRAZ-VDT,85°,2.7	(4), 116.1
TYNDALL (Panama City)(Army)	203 (DKE)	BMRLZ	Voice 8-23. (3); 126.18
Tyndall Field	272 (126.18)	CA, 313°, 3	(3), 126.18 (6-24)

GEORGIA

ALMA (Int.)	242 (AJ)(116.1)	SBRAZ-VDT,144°, 2.2	(4), 116.1
TURNER LFM (Army)(NC)	(- - -)	FM,202°,11.6	Albany (On req)

S-Simultaneous Range and Voice, W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105.4495.6210 kcs., (4)-3105,4495,6210,3117.5. kcs., Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
DOTHAN	2.5 WNW	322	40h R1 L5	
Enterprise	0.5 NE	355	22	
Headland	2 NE,hwy N	350	48	
Napier (Dothan)	7.5 NW,RR S	396	45h	
(A) Ozark AAF (A)	12 SSW	305	46h	INACTIVE
Southern Airmotive	2 SE,RR W	322	27 S4	80 oct. Twr NW. (Dothan)

FLORIDA

(A) Alliance #4 (Mariana)(A)	14 SE	215	50h	INACTIVE
(A) Apalachicola AAF (A)	2 W,RR N	19	53h	INACTIVE
Bascom (Mariana)	15.5 NE	120	50h	
Carrabelle Flgt Strip	2.8 W,hwy S	20	40h	
Chipley	1.5 SE,hwy N	100	24 S1	80 oct. Trees around fld.
Cross City	1 SE,RR SW	42	50h R1 L5	No beacon
DALE MABRY (Tallahassee)	3 W, RR S	70	52h R2 L5 S4	80, 91 oct.
Ellis (Mariana)	9.5 N,riv W	116	50h	
Jasper 43,NO-JX	3.5 SSE,RR NE	143	36 L3	Poles W. Power line NE.
John H. Allison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct. Lgts prior req.
(N) Lake Butler OLF (N)	2 SSW,RR NW	131	60h L	
Lake City	3.7 ESE,RR S	200	60h	
Lake Jackson(Tallahassee)	9 NNW,riv NW	250	30 S4	80 oct. No sto.
Live Oak	1 W,RR W	105	28 S1	80 oct. Pole line N.NE,SW. Hwy N.
Malone #2 (Mariana)	15.5 N	154	50h	
Mariana	6 NE,hwy E	112	50h L5 S4	80 oct. Fld lgts prior req.
Montbrook (Williston)	3.2 SSW,hwy E	70	70h	
Monticello (NC)	1.6 SW,hwy E	160	25	
Panama City	5 NW,bay N,S,W	5	19 S8	80 oct.

FLORIDA

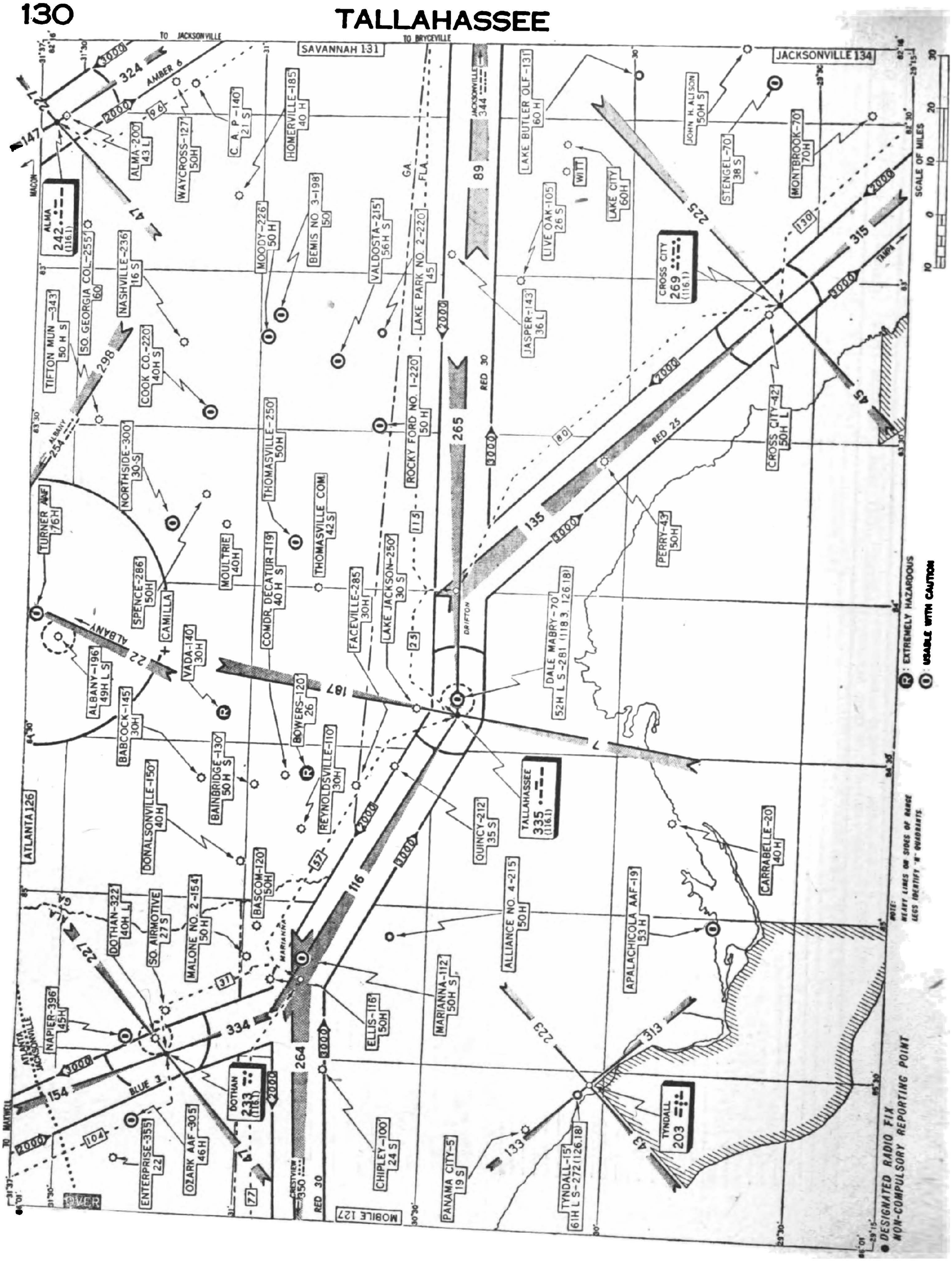
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Perry	3 S,RR E	43	50h	
Perry Municipal	0.5 NE	43	20	Trees NE,SW.
Quincy	1.5 NE,RR S	212	35 S1	80 oct.
Stengel(Gainesville)	4 WSW,RR SE	70	36 S6	80 oct. Trees around fld.
Tennile (NC)	2.3 SSW;rd E	35	20	Trees SW Road E.
(A) Tyndall (Panama City)	8 SE	15	61h R2 L5 S6	73,91,100 oct. Gulf of Mexico SW. (A)
Witt (Lake City)	2 WSW;hwy S	200	36 S4	80 oct. No sto.

GEORGIA

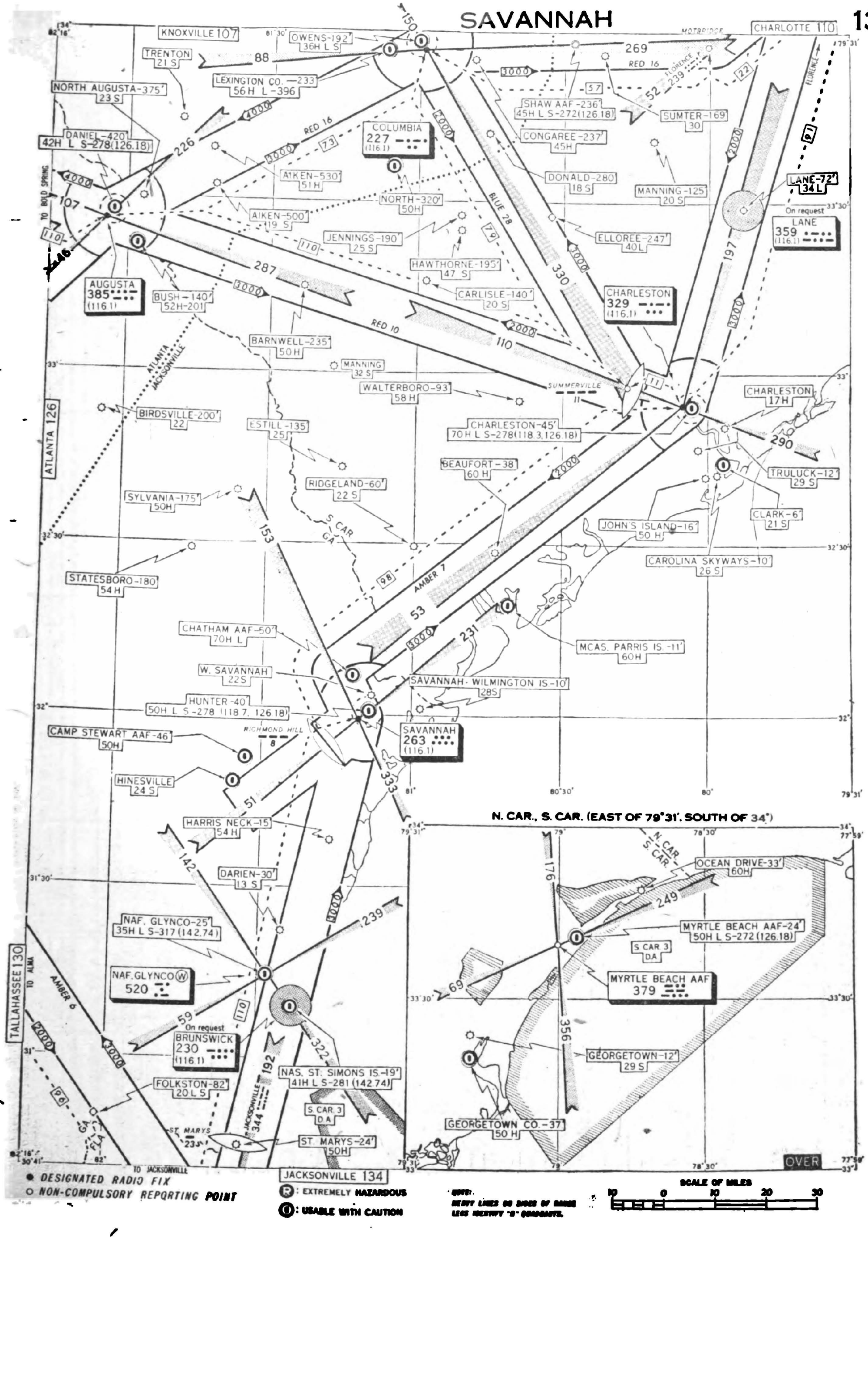
(P) ALBANY	4 SW, RR N	196	49h R1 L5 S6	80, 91 oct.
* Alma Int,43,MM-AG	2.5 W,hwy N	200	43 R1 L3	
Babcock(Bainbridge)	3.5 ENE Boykin	145	30h	
Bainbridge	7 NNW,RR NE	130	50h S6	80, 91 oct.
(A) Demiss #3 (Valdosta)(A)	12 NE,hwy SE	198	50	INACTIVE
Bowers (Bainbridge)	4.5 S,rd W	120	28	Trees sur fld. Closed. High weeds.
Camilla	0.7 NW		22 S1	80 oct. Data not verified.
Civil Air Patrol (Waycross)	2.6 WSW,RR SE	140	21 S1	80 oct. Obsts surround fld.
Commodore Decatur	2 W,riv S	119	40h S1	80 oct. (Bainbridge)
Cook County (Adel)	1.3 W,hwy NE	220	40h L3 S6	80, 91 oct.
Donalsonville(Bainbridge)	1 S Donalsonv'l	150	40h	
Faceville(Bainbridge)	3.5 S Faceville	285	30h	
Homerville Flgt Strip	2.5 NW,hwy NE	185	40h	
(A) Lake Park #2(Valdosta)	12.5 SSE,hwy N	220	45	INACTIVE (A)
(A) Moody (Valdosta)(A)	11.5 NNE,RR W	226	50h	INACTIVE
Moultrie	7 S,hwy NW	287	40h	
Nashville	1.3 ENE,RR S	236	16 S6	80 oct.
Northside (Moultrie)	3.2 NNW,RR W	300	30 S4	80 oct. No sto.
Reynoldsville (Bainbridge)	1.7 SSW Reynoldsville	110	30h	
(A) Rocky Ford #1 (A)	16 SW,hwy N	220	50h	INACTIVE (Valdosta)
South Georgia College	1.3 S,RR W	225	60	(Douglas)
Spence (Moultrie)	5 SE,hwy W	286	50h	
(P) Thomasville	8.5 ENE,hwy S	250	50h	
Thomasville, com.	1 SW,RR N	250	42 S4	80 oct. Trees sur fld.
Tifton Mun.	2.3 SE,hwy W	343	50h L5 S4	80,91 oct. Lgts prior req.
Turner (Albany)(A)	3.8 ENE,riv N	212	78h	INACTIVE.
Vada (Bainbridge)	3 NE of Vada	140	30h	
(A) Valdosta	2.5 S,hwy E	215	56h S1	80 oct. for civil aircraft.
(P) Waycross	4 NW,hwy E	127	50h	

h-hard surfaced runways. R-radio facilities: L-lighting facilities. S-servicing. (see area XIII)(NC)-Not charted. —► NEW OR REVISED DATA

TALLAHASSEE



SAVANNAH


KNOXVILLE 107
OWENS-192' 36H L S
TRENTON 21 S
LEXINGTON CO.—233' 56H L-396
NORTH AUGUSTA-375' 23 S
DANIEL-420' 42H L S-278(126.18)
COLUMBIA 227 (116.1)
AIKEN-530' 51H
AIKEN-500' 19 S
NORTH-320' 50H
JENNINGS-190' 25 S
HAWTHORNE-195' 47 S
CARLISLE-140' 20 S
AUGUSTA 385 (116.1)
BUSH-140' 52H-201
BARNWELL-235' 50H
MANNING 32 S
WALTERBORO-93' 58 H
BIRDSVILLE-200' 22
ESTILL-135' 25
RIDGELAND-60' 22 S
SYLVANIA-175' 50H
STATESBORO-180' 54 H
CHATHAM AAF-50' 70H L
W. SAVANNAH 22S
HUNTER-40' 50H L S-278 (118.7, 126.18)
CAMP STEWART AAF-46' 50H
HINESVILLE 24 S
HARRIS NECK-15' 54 H
DARIEN-30' 13 S
NAF. GLYNCO-25' 35H L S-317 (142.74)
NAF. GLYNCO (W) 520
BRUNSWICK 230 (116.1)
FOLKSTON-82' 20 L S
ST. MARYS 23
ST. MARYS-24' 50H
JACKSONVILLE 134
NAS. ST. SIMONS IS.-19' 41H L S-281 (142.74)
S. CAR. 3 D A
JACKSONVILLE 344
SAVANNAH 263 (116.1)
SAVANNAH-WILMINGTON IS.-10' 28S
MCAS. PARRIS IS.-11' 60H
CHARLESTON-45' 70 H L S-278(118.3,126.18)
BEAUFORT-38' 60 H
CHARLESTON 329 (116.1)
JOHN'S ISLAND-16' 50 H
CAROLINA SKYWAYS-10' 26 S
CHARLESTON 17H
TRULUCK-12' 29 S
CLARK-6' 21 S
SUMTER-169' 30
SHAW AAF-236' 45H L S-272(126.18)
CONGAREE-237' 45H
DONALD-280' 18 S
MANNING-125' 20 S
ELLOREE-247' 40L
CHARLOTTE 110
LANE-72' 34L
LANE 359 (116.1)
On request
CHARLOTTE
MOTTBRIDGE
FLORENCE
RED 16
BLUE 28
AMBER 7
AMBER 6
RED 10
ATLANTA JACKSONVILLE
ATLANTA 126
TALLAHASSEE 130
TO BOLD SPRING
TO ALMA
TO JACKSONVILLE
SUMMERVILLE
RICHMOND HILL
S CAR GA
GA FLA
269
239
226
107
287
110
153
333
51
142
239
59
322
192
231
53
98
73
79
57
52
22
91
197
290
176
249
69
356
33°30'
32°30'
32°
31°30'
31°
81°
80°30'
80°
79°31'
34°
79°
78°30'
77°59'
33°
N. CAR., S. CAR. (EAST OF 79°31', SOUTH OF 34°)
OCEAN DRIVE-33' 60H
MYRTLE BEACH AAF-24' 50H L S-272 (126.18)
S CAR 3 D A
MYRTLE BEACH AAF 379
GEORGETOWN-12' 29 S
GEORGETOWN CO.-37' 50 H
N. CAR.
S. CAR.
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(C): USABLE WITH CAUTION
HEAVY LINES ON SIDES OF BASIS LEGS INDICATE "B" CORRIDORS.
SCALE OF MILES
10 0 10 20 30

GEORGIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA (Daniel)	385 (VD)(116.1)	SBRAZ-VDT,46°,2.1	(4), 116.1
BUSH FIELD (Augusta)	201	CA	(4) (8-sunset)
BRUNSWICK	230 (BS)(116.1)	MHVT	(4), 116.1
GLYNCO (Navy)	520 (NEA)	MRLWZ	
Glynco NAF-LTA	317 (142.74)	CN,239°, 0.3	3105,4495; 142.74 (8-17)
HUNTER FIELD (Savannah)	278 (126.18) (118.7)	AC	(4): 131.9,126.18, 118.7
RICHMOND HILL FM	(- - -)	FM, 231°, 8	Savannah
ST. MARYS FM	(-)	FM, 12°, 23	Jacksonville, Fla.
ST. SIMONS ISLAND NAS	281 (142.74) (140.58)	CN	(3):142.74,140.58 (630-24)
SAVANNAH (Hunter)	263 (SH)(116.1)	SBMRLZ-VDT,51°,2.2	(3): 116.1
→ DANIEL(AUGUSTA)	278(126.18)	C	(4):126.18 (8-24)

SOUTH CAROLINA

CHARLESTON	329 (CS)(116.1)	SBRAZ-VDT	(3), 116.1
Charleston Airport	278 (126.18) (118.3)	AC(ILS):110°,1.9	(4), 131.9,126.18,118.3
COLUMBIA (Owens Field)	227 (CI)(116.1)	SBRAZ-VDT,330°,1.8	(4), 116.1
LANE (Intermediate)	359 (LX)(116.1)	MHVT	(4), 116.1
MYRTLE BEACH (Army)	379 (DMB)	BMRAZ	
Myrtle Beach AAF	272 (126.18)	CA, 69°, 4.4	(3), 126.18
SHAW FIELD (Sumter)	272 (126.18)	CA	(3), 126.18 (7-24)
SUMMERVILLE FM	(- - - -)	FM, 296°, 10.7	Charleston
[illegible] (Columbia)	396	C	(4)(8-22)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
Charleston, S.C.	110.3	335	150° Mag.		MMK-	OMK-

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station: (3)-3105.4495.6210 kcs., (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — GEORGIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Birdsville (Millen)	9.4 WNW;riv S	200	22	
Bush (Augusta)	7.5 SSE;RR W	140	52h R1	
(A) Camp Stewart (Hinesville) (A)	3 NE;hwy SW	46	50h	INACTIVE
(A) Chatham AAF (Savannah) (A)	7.5 NW;RR E	52	70h L5	INACTIVE
DANIEL (Augusta)	2.5 W;RR S	420	42h R2 L5 S4	80, 91 oct. No sto. Use rnwys only
Darien	0.8 SE;riv S	30	13 S1	Ltd 80 oct. Trees W.
★ Folkston Int,37,MM-AG	0.7 WNW;hwy E	82	20 L3 S1	80 oct. on req.
(N) Glynco NAF (LTA)(N)	6.4 N;hwy SE	25	35h R2 L5 S4	91, 100 oct.
Harris Neck	7 E of So.Newport	15	54h	
Hinesville	3 S; hwy W	55	24 S4	73 oct. No sto. Rdo repairs.
HUNTER (Savannah)	3.5 SW;RR yd NW	42	50h R2 L5 S6	80, 91 oct.
St. Marys	1.7 NNW;hwy S	24	50h	
(N) St. SIMONS ISLAND NAS (N) →	6 E Brunswick	19	41h R2 L5 S4	100 oct. Lgts prior freq. No sto.Trees NE W.
Savannah-Wilmington (Savannah)	8 ESE; hwy N	10	28 S6	73 oct. Trees NE,SW.
Statesboro	3.8 NE;hwy W	180	54h	
Sylvania	7.5 SSE;hwy E	175	50h	
West Savannah(Savannah)	3 W; RR W,N	42	22 S6	80 oct. Pole line NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

GEORGIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS

SOUTH CAROLINA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aiken (old)	2 E; RR NNE	500	19 S4	80 oct. Trees SSW.
Aiken (new)	6 NNE; RR SW	530	51h	
Barnwell	1 WNW;hwy E	235	50h	
(P) Beaufort	4 NW	38	60h	
Carlisle (Bamberg)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Skyways (Charleston)	6 SSW;riv W	10	26 S4	80 oct.
(A) CHARLESTON (mun.)	9.8 NW;RR NE	45	70h R3 L6 S4	100 oct.
(N) Charleston (N)	4 N; riv E	13	17h	INACTIVE.
Clark (Charleston)	4 S;riv SW	6	21 S1	80 oct. Trees surround fld.
Congaree (Columbia)	15.5 ESE;RR S	237	45h	
Donald (St.Matthews)	2.5 NNE; RR S	280	18 S1	Ltd 80 oct. Trees SE.
★ Elloree Int,25,AG-CS	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill	2.5 SSW;RR E	135	25	
Georgetown	1 NW;riv E	12	29 S6	80,91 oct.
(P) Georgetown County	4 S;bay E	37	50h	
Hawthorne(Orangeburg)	5 S; RR E	195	47 S6	80, 91 oct. Tank N.
Jennings (Orangeburg)	2.3 S; RR E	190	25 S2	80, 91 oct. Pole line ENE.
John's Island (Charleston)	7 SSW; rd W	16	50h	
★ Lane Int,24,JX-RW	3 S;RR W	72	34 R1 L3	
Manning (Allendale)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning	1.5 SE;RR NNE	125	20 S1	Ltd 80 oct.
(A) Myrtle Beach AAF(A)	3 WSW;hwy SE	24	50h R2 L5 S6	73,91,100 oct. No sto.
(A) North (A)	1.5 SE; hwy N	320	50h	INACTIVE
North Augusta	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive (Wampee)	3.5 SE;hwy SE	33	60h	
OWENS (Columbia)	2.5 SE;RR SW	192	36h R1 L4 S6	80 oct. Tank WSW, twr SSE.
(N) Parris Island MCAS	1.5 S	11	60h	INACTIVE (N)
Ridgeland	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
(A) Shaw (Sumter)(A)	7 WNW;RR W	236	45h R1 L5 S6	73, 91, 100 oct. JP-1
Sumter	1.5 NW; RR S	169	30	
Trenton	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston)	5.5 W;RRs N	12	29 S6	80 oct. Poles surround fld.
(P) Walterboro	1.3 NE;hwy SE	93	58h	
(A)Lexington Co.(Columbia)	7 SW; RR SE	233	56h R1 L5	

RADIO — FLORIDA

LOCATION	FREQ. IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARD HRS. OF OPER., REMARKS
BANANA RIVER (Navy)	524 (NPE)	MRLZ	(3)
Banana River NAS	224 (142.74)	CN,106°,4.8	(3), 142.74
BAYARD FM	(- - -)	FM, 158°, 19	Jacksonville
BRYCEVILLE FM	(- - - -)	FM, 269°,20.2	Jacksonville
CECIL NAAS (Jacksonville)	201 (142.74)	CN	3105;142.74 (flying hrs)
DAYTONA BEACH	236(DB)(116.1)	BMLZ-VDT,101°, 2.1	(4), 116.1
DREW FIELD (Tampa)	317 (126.18) (118.5)	AC	(4),126.18,118.5,131.9
FORT GEORGE ISLAND FM	(- -)	FM,89°,10.25	Jacksonville
JACKSONVILLE	344(JX)(116.1)	SBRAZ-VDT	(3); 116.1
Jacksonville Arpt No. 1	278 (126.18) (118.5)	AC, 269°, 1.7	(4); 131.9,126.18,118.5
Jacksonville NAS	323 (126.18) (142.74)	CN	(3), 126.18, 142.74
Jacksonville NAS (Seaplane)	3295	CN	3105
MacDILL (Tampa) (Army)	1742 (TM)	H	
MacDill Field	227 (126.18)	CA	(3), 126.18
MAYPORT CGAS	142.74	CN	3105;140.58,142.74
MELBOURNE (NC)	257 (OU)(116.1)	SBRAZ-VDT,158° 2.2	(4); 116.1 (On req only)
NORTH TAMPA FM	(- - - -)	FM, 355°, 10.1	Tampa
ORLANDO	206(OR)(116.1)	BMRLZ-VDT	(3), 116.1
Orlando Arpt.	278 (126.18) (118.7)	C, 220°, 3.4	(4),118.7,131.9, 126.18
→ PINELLAS (St. Petersburg)	272(118.3)	CI	(4); 131.9 (8-24)
RUSSELL (Navy) (Fleming OLF)	365 (RUS)	BML, 300°, 3	(3), 128.7
TAMPA (Peter O. Knight Arpt.)	388 (TM)(116.1)	SBRAZ-VDT,550, 2.6	(4), 116.1
VERO BEACH NAS	242 (VB)(116.1)	MHVT	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAM	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — FLORIDA

ARPT.-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P)Albert Whitted (St. Petersburg)	2.5 E,bay E	6	33h L3 S6	80,91,100 oct.Coast Gd. Sta.adj. Poles,stack NW,SW.
Petersburg) (NC)				
Altoona (NC)	0.6 NW,RR E	155	25	Trees ends strips.
Avon Park	1.5 W,RR E	127	40h S1	80 oct.Trees SE.
(A)Avon Park AAF(A)	11 ENE,lake NW	65	54h	INACTIVE. Lgts
(N)Banana River NAS	11 SE Cocoa	9	40h R2 L5 S6	91 oct.No bcn. (N) on req.
Barberville (NC)	1 SE,bet RR& rd	25	25	Pole line E.UNUSABLE.
Bartow	5.5 NE,RR NW	128	50h L5 S2	80,91 oct.
Bostwick (NC)	1 NW,RR E	53	34	
Bradenton	0.5 S,RR NE	20	24 S1	80 oct.Trees W.Poles SW
(N)Branan OLF(Jax)	14.5 SW	73	40h L	B-2 lgts.
Brooksville	7.5 SW,hwy E	70	70h	
Bushnell	2.8 NE,hwy S	82	60h	N-S rnwy unusable.
Cannon Mills (Orlando)	3.8 E,hwy N	105	41 S6	80 oct.No sto.Poles sur fld.
(N)Cecil NAAS (Jacksonville)(N)	16 WSW,hwy NW	80	50h R1	INACTIVE.Trees sur.fld
Cedar Keys (NC)	1 W,bay S	6	24h	
Clearwater	2.5 NE,hwy S	73	30 S6	80 oct.No sto.Trees W.
Cocoa	1 N,RR E	20	26 L1	Pole line E,trees S,W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page XIII)(NC)-Not charted

→ NEW OR REVISED DATA

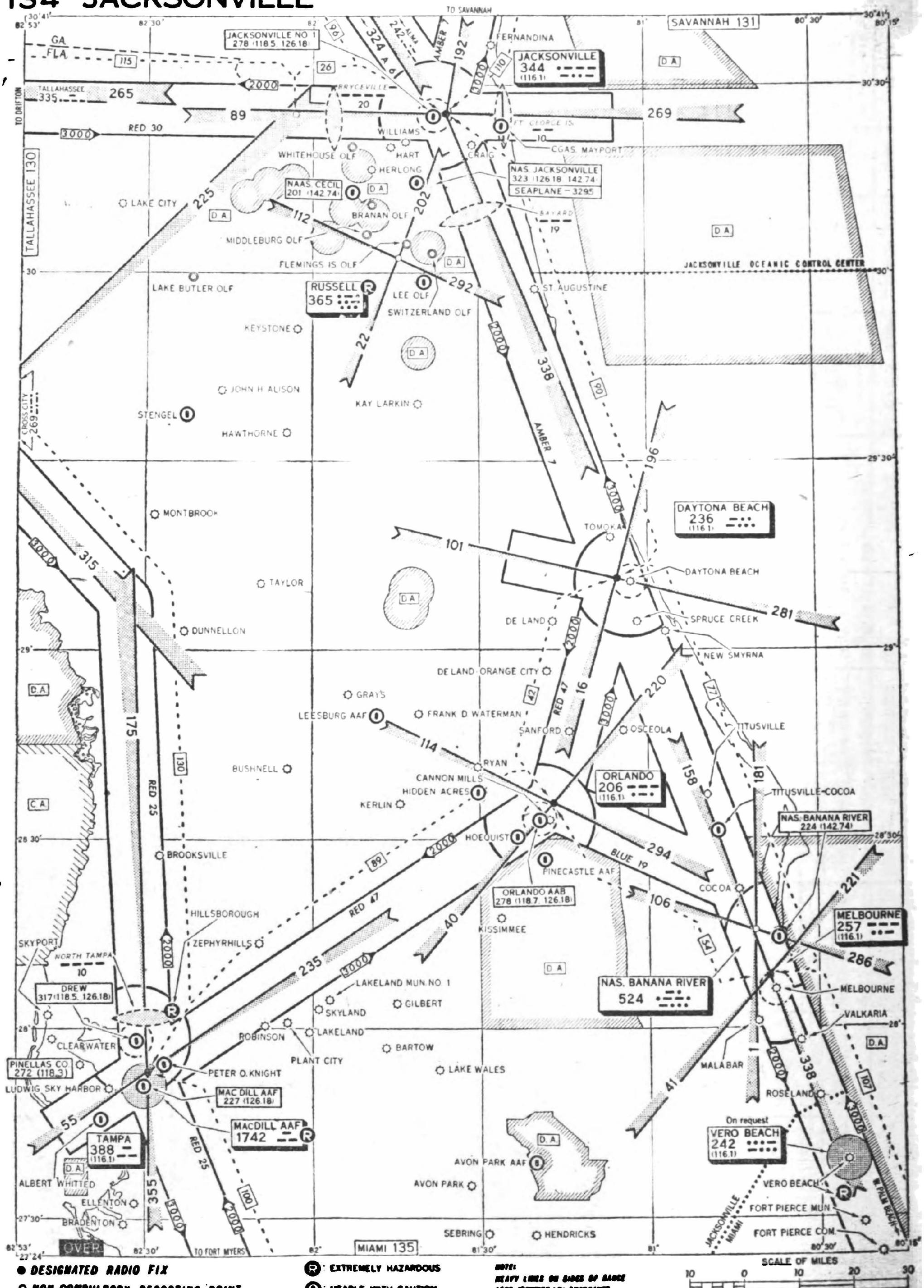
FLORIDA

ARPT.-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Craig (Jacksonville)	9 E,riv N	41	40h L5 S6	80,91 oct. No sto.
Daytona Beach	2.8 SW,hwy S	34	41h R1 L5 S6	80, 91 oct.
Deland	2.5 NNE,hwy S	80	60h L5 S1	87,91 oct.
Deland-Orange City (Orange City)	1 SW,riv W	90	26 S1	80 oct. Pole line E.
Drew (Tampa)	5 W,bay SW	26	70h R1 L5 S6	80, 91 oct.Rdo rec req.
Dunnellon	4.5 E,hwy S	63	50h	
Ellenton	1.5 NNW,RR N	18	15	Pole line NE,trees SW,
(P)Fernandina	4 S,ocean E	16	50h	
(N)Flemings Island OLF (Jacksonville) (N)	17.5 SSW	23	40h L	B-2 lgts.
Ft. Pierce, com.	3.3 SSE,RR E	18	26 L1 S6	80 oct.Pole line W.
(P)Ft. Pierce, mun.	3.5 NW,hwy E	24	50h	
Frank D. Waterman (Eustis)	0.9 SSW,lake NNW	81	23 S1	80 oct.Poles SW,N,W.
Gilbert (Winter Haven)	3.5 NNW,lake W,E	135	40h S6	80, 91 oct.
Gray's (Leesburg)	5 N,RR,hwy W	130	27 S6	80 oct.Orange groves W.
Haines City (NC)	1 NW	175	20 L1	
Hart (Jacksonville)	6.5 W,RR N	20	40 S6	80,91 oct.Trees sur fld
Hawthorne	1.2 SSE,RR W	120	24 S1	Ltd 80 oct.Trees S,W,NE
Hendricks (Sebring)	6.5 ESE,RR N	62	50h	
Herlong (Jacksonville)	10.5 WSW	87	40h	
Hidden Acres (Clarcona)	1.5 WNW,lake W	93	25 S6	80 oct.Trees E.
Hillsborough (Tampa)	7 NNE	50	50h	
Hoequist(Orlando)	3.8 SW,bet lakes	90	20 S4	80 oct.No sto.Trees E.
(N)Jacksonville NAS(N)	7.2 S,riv E,N	20	60h R1 L5 S6	91, 100 oct. NATS.
(A)Jacksonville No. 1	6.3 N,RR W	52	70h R2 L5 S4	80,91 oct;100 oct,JP-1 for Army.
John H. Alison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct.Lgts prior req.
(P)Kay Larkin(Palatka)	3 WNW,RR N	56	50h L5 S1	91 oct
Kerlin (Minneola)	0.5 NE	100	18 S2	80 oct.
Keystone (Keystone Heights)	4.5 NNW,RR W	192	50h	
Kissimmee	2 W,RR N	65	50h	
(N)Lake Butler OLF(N)	2 SSW,RR NW	131	60h L	
Lake City	3.7 ESE,RR S	200	60h	
Lakeland	4.5 SW,RR NE	135	50h	
LAKELAND MUN. NO. 1	2.1 N,lake E	159	35h L5 S6	80, 91 oct.Ctc lgts on req till 2400
Lake Wales	2.3 WSW,RR N	225	40h L3 S6	80, 91 oct.
(N)Lee OLF (Green Cove Springs)(N)	2.2 SE,riv N	22	51h	INACTIVE.
(A)Leesburg AAF (A)	4 ENE,RR SE	67	50h L3	CLOSED.
Ludwig Sky Harbor (St.Petersburg)	6 NE,bay E	14	33 L1 S6	80 oct.
(A)MacDill (Tampa)(A)	8 SSW,bay NE	9	100h R2 L5 S6	73-100 oct. JP-1.No sto.
Malabar	7 WNW	27	40h	
(CG)Mayport CGAS(CG)	0.6 NNE,riv N	19	43h R1	INACTIVE.
Melbourne	2.2 NW,RR E	26	43h R1	
(N)Middleburg OLF (N)	3 NNE,rds E, SE	34	32	
Montbrook(Williston)	3.2 SSW,hwy E	70	70h	
New Smyrna	3 NNW,RR W	12	50h	
(A)Orlando AAB(Arpt)	2.5 E,lake SE	106	55h R2 L5 S6	91; 100 oct.for military. No sto.

FLORIDA

ARPT.-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Osceola(Sanford)	10 SSE,lake SE	25	40h	
PETER O.KNIGHT (Tampa)	3.7 S,bay S,E, W	8	40h R1 L5 S6	91,80 oct Shipyard NE
(A)Pinecastle AAF(A)	3 ESE,lake NW	95	100h	INACTIVE.
→ PINELLAS CO. MASTER	9.5 N,bay N	12	50h R1 L5 S6	80,91 oct.No sto. (St.Petersburg)
Piper-Fuller (St. Petersburg)(NC)	4.8 WNW,RR E	21	32	
Plant City	3 E,hwy N	172	53	
Robinson(Plant City)	1.5 WSW,RR E	110	18 S1	80,91 oct.Pole line ESE
Roseland(Sebastian)	1.7 W,riv N,E	23	40h	
Ryan (Apopka)	1 N,lake NW	104	28 S6	80 oct.
St.Augustine	4 NNW,hwy W	10	42h S1	80, 91 oct.
Sanford	2.5 SE,lake N,S	57	60h	
Sawyer (Palatka)	2.6 S,RR SE	60	25	Trees N,E,S. (NC)
Sebring	4 SW,lake NE	200	20 S1	80 oct.Pwr line SW.
Skyland(Lakeland)	1.9 WNW,RR S	170	23 S6	80 oct.No sto.Trees S.
Skyport (Dunedin)	1.5 N,RR E	4	26 S6	80 oct.No sto.Pole line NE
Spruce Creek(Deland)	16 ENE	25	40h	3.5 mi N Sansula.
Stengel(Gainesv'l)	4 WSW,RR SE	70	38 S6	80 oct.Trees sur fld.
(N)Switzerland OLF (N)	1.5 SE	31	40h	
(P)Taylor (Ocala)	1 SW,RR NE	72	40h L3 S6	80,91 oct.Lgts and ngt repairs prior req.
(P)Titusville-Cocoa (Titusville)	6 S,riv E	35	50h s6	80 oct. No sto.
* Titusville Int,20, MM-AG	1.3 NW,RR E	28	28 L3	
Tomoka (Daytona Beach)	7.8 NW	29	40h	
Valkaria (Melbourne)	8 SSE,RR E	26	40h	
VERO BEACH	1 NW,RR E	24	65h R1	
Wauchula (NC)	2.1 E,riv W	120	21	Trees N, E, NE.
(N)Whitehouse OLF (Jacksonville)(N)	13 W,RR S	102	40h L	B-2 lgts.
Wimauma (NC)	0.8 ESE,RR W	35	36	Cattle on fld.Bldg W.
Zephyrhills	1.5 ESE,RR W	92	50h	
Williams (Jacksonville)	3.3 WNW,RR E	25	31 S6	80 oct.No sto.Pole line E into unver.
Witt (Lake City)	2 WSW,hwy S	200	36 S4	80 oct. No sto.

134 JACKSONVILLE



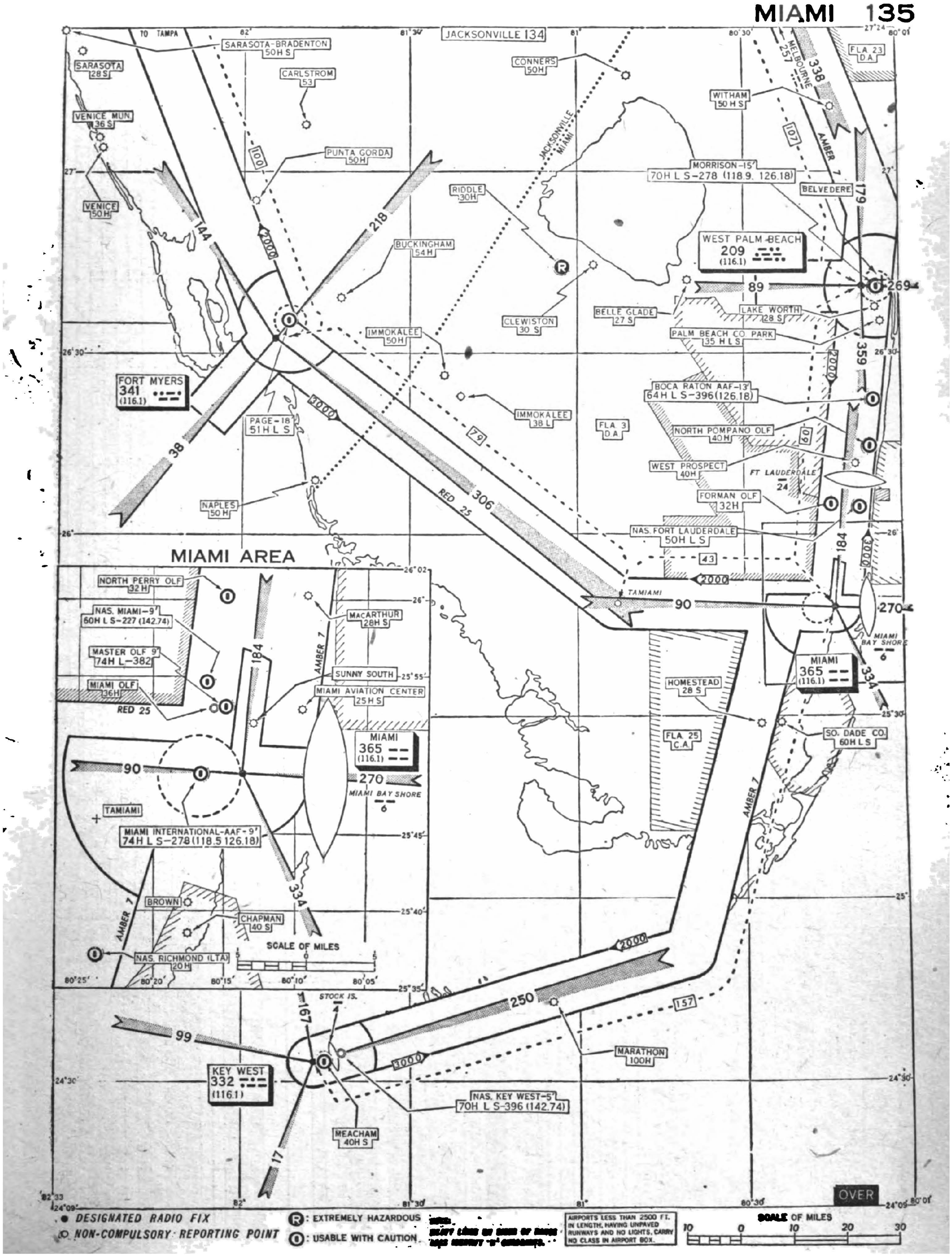
● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

(R): EXTREMELY HAZARDOUS

(0): USABLE WITH CAUTION

NOTE:
HEAVY LINES ON EDGES OF BASIC
LESS RECENT "B" CHANGOUTS.


TO TAMPA
SARASOTA-BRADENTON 50H S
SARASOTA 28 S
CARLSTROM 53
VENICE MUN 36 S
PUNTA GORDA 50H
VENICE 50H
144
100
218
JACKSONVILLE 134
CONNERS 50H
JACKSONVILLE MIAMI
RIDDLE 30H
BUCKINGHAM 54H
CLEWISTON 30 S
IMMOKALEE 50H
IMMOKALEE 38 L
FORT MYERS 341 (116.1)
PAGE-18 51H L S
3000
38
79
306
RED 25
NAPLES 50H
MELBOURNE 257
338
FLA 23 D A
WITHAM 50H S
107
AMBER 7
MORRISON-15' 70H L S-278 (118.9, 126.18)
BELVEDERE
179
WEST PALM BEACH 209 (116.1)
89
269
BELLE GLADE 27 S
LAKE WORTH 28 S
PALM BEACH CO. PARK 35 H L S
359
BOCA RATON AAF-13' 64H L S-396 (126.18)
FLA 3 D A
NORTH POMPANO OLF 40H
60
WEST PROSPECT 40H
FT LAUDERDALE 24
FORMAN OLF 32H
NAS. FORT LAUDERDALE 50H L S
43
184
2000
TAMIAMI
90
270
MIAMI BAY SHORE
MIAMI 365 (116.1)
334
HOMESTEAD 28 S
FLA 25 C.A
SO. DADE CO. 60H L S
MIAMI AREA
NORTH PERRY OLF 32 H
NAS. MIAMI-9' 60H L S-227 (142.74)
MASTER OLF 9' 74H L-382
MIAMI OLF 36H
MACARTHUR 28H S
SUNNY SOUTH
MIAMI AVIATION CENTER 25H S
MIAMI INTERNATIONAL-AAF-9' 74H L S-278 (118.5 126.18)
BROWN
CHAPMAN 40 S
NAS. RICHMOND (LTA) 20H
SCALE OF MILES
STOCK IS.
167
99
KEY WEST 332 (116.1)
MEACHAM 40H S
17
250
157
MARATHON 100H
NAS. KEY WEST-5' 70H L S-396 (142.74)
82°33'
24°09'
82°
81°30'
81°
80°30'
80°01'
25°30'
25°
24°30'
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOCA RATON AAF	396 (126.18)	CA	(3). 126.18 (6-24)
FORT LAUDERDALE FM	(-)	FM, 4°, 24.4	Miami
FORT LAUDERDALE NAS	317 (142.74)	CN	3105.4495;142.74 Req only)
FORT MYERS (Page)	341 (FM)(116.1)	SBRAZ-VDT,38°,3.6	(4), 116.1
KEY WEST	332 (KW)(116.1)	SBRAZ-VDT	(4), 116.1
Key West NAS	396 (142.74)	CN, 70°, 5.8	(3),142.74 (sunrise to sunset)
Key West NAS (Seaplane) (NC)	272 (142.74)	CN	3105,142.74 (prior req.)
MASTER OLF (Miami)	382	CN	(3); 142.74 (7-sunset)
MIAMI BAY SHORE FM	(- -)	FM, 90°, 6	Miami
MIAMI	365(MM)(116.1)	SBRAZ-VDT	(3),116.1
Miami International Arpt.	278 (126.18) (118.5)	AC, 270°, 2.3	(4); 131.9, 126.18, 118.5
Miami NAS	**227 (142.74)**	CN	3105,4495; 142.74
→ **MORRISON FIELD (West Palm Beach)**	**278 (126.18) (118.9)**	C	(4); 118.9, 131.9,126.18
STOCK ISLAND LFM	**(-)**	**LFM, 70°, 4**	**Key West**
WEST PALM BEACH (Morrison Field)	**209 (DWZ) (116.1)**	**BMRAZ-VDT,89°,2.4**	**(3), 116.1**

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5. kcs.; Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Arcadia	2 SE,hwy W	60	30	Trees around fld.
Belle Glade	1 NNE,lake W	17	27 S6	73 oct. No sto. Light acft.
(A) Boca Raton AAF (A)	2 NNW,canal E	13	64h R1 L5 S6	73, 91, 100 oct. Twr SE.
Brown (Miami)	10 SSW,RR NW	10	20 S6	80, 91 oct. No sto. Trees E.
Buckingham (Ft.Myers)	10 E,riv SW	23	54h	
Carlstrom (Arcadia)	7 SSE,hwy N	56	53	
Chapman (Miami)	10 SW,RR W	3	40 S6	80,91 oct. No sto. Pwr line W.
Clewiston	1.6 SW,RR N	19	30 S6	80 oct. Pole line N, E, S, W.
Conners (Okeechobee)	2.5 NW, RR S	34	50h	
Dorr (Arcadia)	11.5 E,hwy N	74	53	
(N) Forman OLF (Ft. Lauderdale) (N)	6.5 WSW	7	32h	INACTIVE.
(N) Fort Lauderdale NAS (N)	3.5 SSW,RRW	10	50h R1 L5 S1	100 oct.
		8		
Homestead, mun.	2 NE, rd N	8	28 S6	80 oct.
Immokalee Airfield	1.3 ENE,RR W	20	50h	
★ Immokalee Int, 13, TM-MM	5.25 SE,RR SW	23	38 L2	
(N) Key West NAS (N)	7 ENE	5	70h R2 L5 S4	91, 100 oct. No sto.
Lake Worth	2 W,hwy N	12	28 S1	80 oct.
MacArthur (Hollywood)	1 SW,RR E	12	28h S4	80, 91 oct. No sto. Trees SE.
Marathon	1.8 ENE,hwy S	.6	100h	
(N) Master OLF (Miami)(N)	8 NNW,RR W	9	74h R1 L5	Pwr line SE.
MEACHAM (Key West)	2.3 E,ocean S	4	40h S1	80,91 oct. ARPT OF ENTRY.
Miami Aviation Center (Miami)	7.5 NNE,bay E	8	25h S6	80, 91 oct. No sto.

h-hard-surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) MIAMI INTERNATIONAL - AAF	5.5 NW,RR S	9	74h R2 L5 S6	91, 100 oct. JP-1. FEE. 2-way radio on req. AIRPORT OF ENTRY.
(N) Miami NAS (N)	10.7 NW,canal N	9	60h R1 L5 S6	91, 100 oct. No sto.
(N) Miami OLF (N)	7.9 NNW,RR E	91	36h	
(A) MORRISON (West Palm Beach) (A)	2 W,canal S	15	70h R2 L5 S5	73-100 oct. CLOSED. FOREIGN CLEARING STATION
Naples	2 NE,RRs E,W	8	50h	
(N) North Perry OLF (Hollywood) (N)	6.3 W	9	32h	C-L-O-S-E-D.
(N) North Pompano OLF (N)	1.5 NE,RR W	21	40h	(Pompano)
PAGE (Ft. Myers)	4 S,RR SE	18	51h R1 L5 S6	80, 91 oct. Ground traffic
Palm Beach County Park (Lantana)	2 WNW,lake N	16	35h L5 S6	80, 91 oct. Fld lgts prior req. Lake E
(P) Punta Gorda	5 ESE,hwy SW	22	50h	
Punta Gorda, mun.(NC)	3 SSE,hwy E	4	24	
(N) Richmond NAS (LTA)	15 SW Miami	13	20h	INACTIVE. (N)
Riddle (Clewiston)	7.6 W,hwy N	19	30h	Use rnwys only.
SARASOTA-BRADENTON (Sarasota)	3.5 NNW,hwy W	24	50h L5 S6	80, 91 oct.
Sarasota, com.	2.5 E,RR S	25	28 S1	80 oct.
Sunny, South (Miami)	6 N,hwy N	12	27	
Tamiami (Miami)	12 W		35h S4	80, 91 oct. No sto. Data not verified.
Venice	2 S,RR E	15	50h	Pole lines N, E.
Venice, mun.	0.5 SE,RR E	20	36 S2	80 oct.
West Prospect (Oakland Park)	2.5 WNW	14	40h	Trees sur field.
(P) Witham (Stuart)	1.5 SE,RR SW	17	50h S1	
So.Dade Co.(Homestead)	5 E	8	60h L5 S6	87 91 oct. No sto.
Belvedere (West Palm Beach)	2 SW	17	25 S5	

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Terminal)	248(BU)(116.1)	SML-VDT;93°,3	(3);116.1
BURBANK LFM	(- -)	LFM 97°, 1.5	Burbank
CHATSWORTH	341 (L)	FMK;277°, 10.6	Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMK; 77°, 11	Los Angeles
EL TORO MCAS	3295(142.74)	CN	3105,4495;126.18,142.74
GLENDALE	371 (S)	K; 97°, 7.3	Burbank
GRAND CENTRAL ARPT (Glendale)	201	CI	(4);131.9, (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CA	(3);126.18 (730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERMINAL (Burbank)	278 (126.18) (118.3)	AC	(4);131.9,126.18,118.3
LONG BEACH	233(HB)(116.1)	SBMRLZ-VDT	(3);116.1
Long Beach Airport	347 (126.18) (118.5)	AC; 298°, 3.9	(4);131.9,118.5,126.18
LOS ALAMITOS NAAS	317 (142.74)	CN	3105;142.74 (8-1730)
LOS ANGELES	260 (LA)	SBRAZ-DTX	(3)
Los Angeles Airport	272 (126.18)	C (ILS);244°,3.8	(4);116.1,126.18
NEWHALL (Int)	209(NH)(116.1)	BMRL-VDT;317°,0.1	(4);116.1
ONTARIO ARPT	219(126.18)	CI	(4); 126.18, 116.1
SANTA ANA (Navy)	472(NTK)(116.1)	BMRLZ	3105;142.74 (13-5)
Santa Ana NAS	6970(142.74)	CN;250°,0.6	3105,3195;142.74 (flying hrs & req)
SANTA MONICA AIRPORT	272 (126.18)	CI	(3);126.18 (8-18)
TERMINAL ISLAND NAS (San Pedro)	338 (142.74)	CN	(3);142.74 (flying hrs)
→ VAN NUYS METROPOLITAN ARPT	219(126.18)	CI	(4),126.18 (8-1530 Mon-Fri, except holidays)
CASTAIC FM	(- - - -)	FM, 322°, 41	Los Angeles

COLORADO

AURORA LFM	(- - -)	LFM, 155°, 9.5	Denver
DENVER (Stapleton Airfield)	379 (DV) (111.1)	SBMRAZ-VDTX;159°, 285	(3); 131.7
DENVER (9 mi ENE Stapleton)	109.1 (DV) 111.1	VAR-VDT	(3);131.7
HENDERSON FM	(-)	FM, 348°, 8.6	Denver
LOWRY FIELD (Denver)	396 (126.18)	CA	(3);126.18
SKY RANCH ARPT (Denver)	296	CI	(3) (sunrise to sunset)
STAPLETON AIRFLD(Denver)	278 (126.18) (118.7)	AC (ILS)	(4);131.9,126.18
WATKINS FM	(- -)	FM, 59°, 14.6	Denver

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLI'S COMPASS LOCATORS)			
STAPLETON, COLORADO	110.3	335	206° Mag.	IM	MW ·····(.64)	OM --(4.2)	
					MK/K	OMK	
LOS ANGELES, CALIFORNIA	109.9	333.8	247° Mag.	IM (.05)	MK	OM (2.45)	
					MK/K	OMK	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station; (3)-3105,4495,6210 kcs.; (4)-3105,4495,6210,3117.5. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;riv E	80	24 S4	80 oct.No sto.
Brackett (Pomona)	3 NW;hwys S,E	1010	25 S6	80 oct. Fence W.
Cable-Claremont	1.8 ENE;RR E	1400	30h S4	80,91 oct.

CALIFORNIA

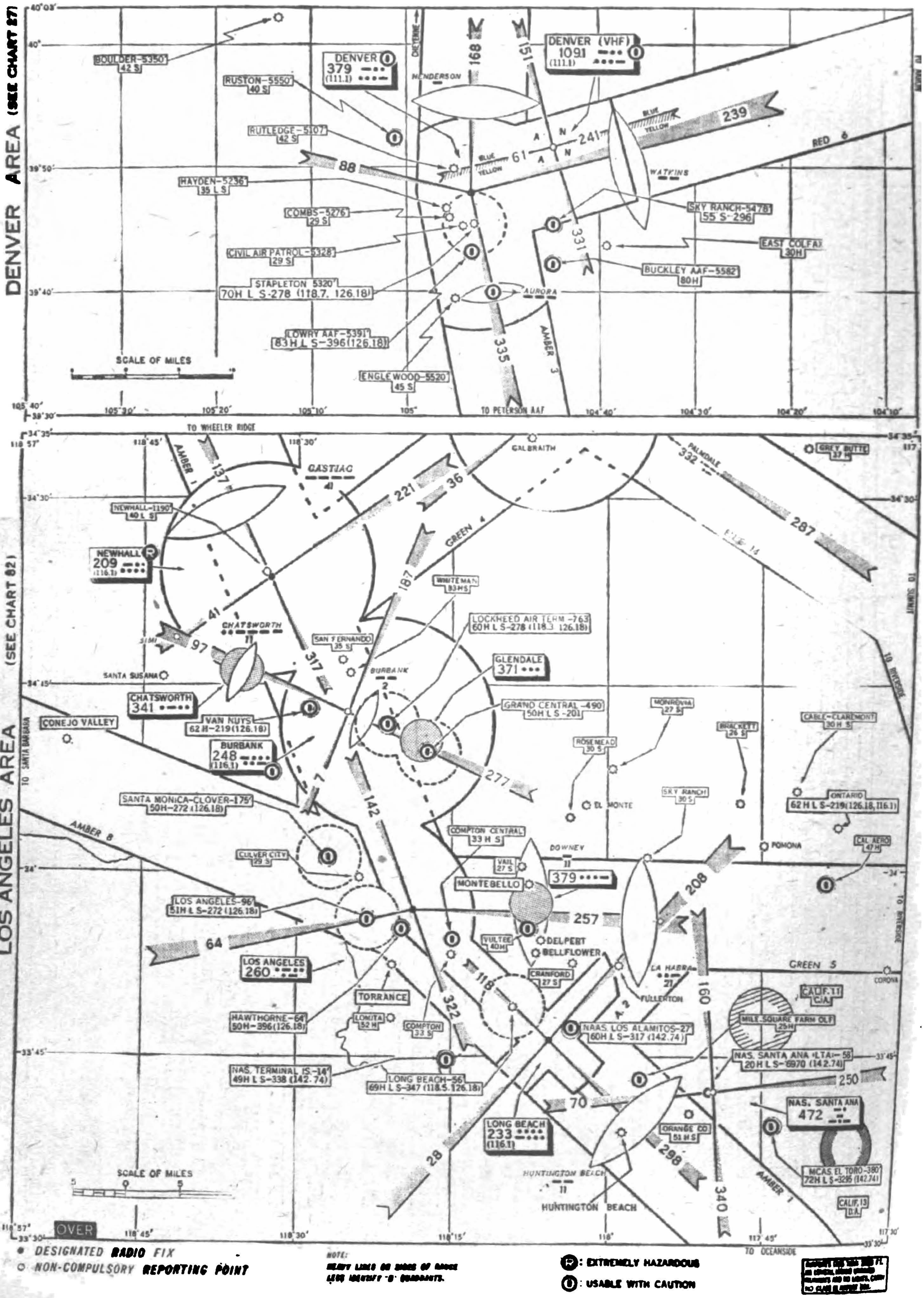
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cal Aero (Ontario)	5 SSE;hwy W	625	47h	Rest'd to D.P.C.
Compton	1.5SW;hwyE,W,N	90	33 S6	80 oct. Poles E. N.
→ Compton Central(Compton)	2 NW;RR W	100	33h L S6	80,91 oct.Rdo repairs.Rnwy data unver.
Corona	2.3 ESE; RR N	645	22 S4	80,91 oct. Pole line W.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City(Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.
El Monte	1 NNE;rd E	300	21 S6	80 oct. Trees SW. Bldgs NE
(N) EL Toro MCAS (N)	3.7 NW;RR SW	380	72h R1 L5 S4	73,87,91,100 oct.
Fullerton	3 W;RR N	95	18 L1 S6	80 oct. Port rnwy lgts.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73,80 oct.
Gardena Valley (Gardena)	2 NW; RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW;bet RR and river	490	50h R1 L5 S6	73,83,91,100 oct.
Grey Butte (Victorville)	22 W	3050	37h	Mts. S.
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
Hughes (Culver City)(NC)	3.6 SSW;RR N	15	91	Pole line NE. RESTRICTED.
LOCKHEED AIR TERMINAL (Burbank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91,100 oct. No sto. Two-way radio required.
Lomita Landing Strip	1 W;hwy S	95	52h	Mts. S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	80,91,100 oct. JP-1. No sto.
(N) Los Alamitos NAAS (N)	1 SE;riv W	27	60h R1 L5 S4	73,91,100 oct.
(A)(N) Los Angeles(MinesFld)	9.5 SW;RR E	96	51h R3 L6 S6	91,100 oct.Rdo req.
(N) Mile Sq.Farm OLF (Westminster)(N)	3.5 SE;riv E	44	25h L	Pwr lines S
Monrovia	0.5 SE;RR S	500	27 S6	80,91 oct.
★ Newhall Int.3A,LA-SP	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Norco	2.5 N;RR S	590	14 S1	80 oct.
→ Ontario	3.5 E;bet RRs	934	62h R1 L5 S4	80,91,100 oct.
Orange Co. (Santa Ana)	5 S;at fork rds	45	51h S6	80-100 oct.
(N) Palleades OLF (N)(NC)	2 E Costa Mesa	107	25	Bay N.W.
Pomona	1.8 SSE;riv S	775	20 S6	80 oct.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. No sto.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	58	20h R2 L5 S4	91,100 oct. No sto.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No ben.Lgts prior req.
Santa Susana	0.5 S;RR N	955	19 S6	73 oct.No sto. Pwr line W.
Sky Ranch (Fuente)	1.3 E;RR S	402	30 S4	80 oct. No sto.
(N) Terminal Is. NAS (San Pedro) (N)	2 ENE	14	49h R1 L6 S1	91,100 oct. NAPC.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct.Port rnwy lgts.Radio repairs.
(A) Van Nuys Metropoliten (A)	2.8 NW;RR N	800	62h R1	INACTIVE.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW. RESTRICTED.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct. Pole line NNW,NE,SW.
Conejo Valley(Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct.No sto.Pole lines NE.
Delpert Apk(Norwalk)	1.5 W;hwy N	90	21 S6	80 oct.No sto.Pole
Montebello	2 SSW;RR S	180	34 S6	80,91 oct.
Torrance Community (Los Angeles)	11.5 SSW;hwy W	82	21h S6	80 oct.No sto.Poles W;pwr line E

COLORADO

Boulder	3 ENE;RR NW,S	5350	42 S5	80,91 oct. Bldg. N
(A) Buckley (Denver)(A)	12.5 ESE	5682	80l	INACTIVE.
Civil Air Patrol (Denver)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Combs (Denver)	3 NE;RR N	5276	29 S6	80,91 oct. Pole line N. S.
East Colfax (Watkins)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N. NW.
Englewood	6.8 SSE;hwy S	5220	45 S6	80,91 oct. No sto.
(A) Lowry (Denver) (A)	5.3 ESE	5391	83h R1 L5 S6	91,100 oct. JP-1.
Ruston (Denver)	10 NNW;hwy W	5550	40 S1	80,91 oct. Pole line W.SW.
Rutledge (Dupont)	1 S;bet RR;hwy	5107	42 S6	80 oct. Pole lines sur fld.
Sky Ranch. (Denver)	12.6 E;RR S	5478	45 R1 S6	73,80,91 oct.
→ STAPLETON (Denver)	5 ENE;RR N	5320	70h R3 L6 S6	80,91,100 oct
Vest Aefl. Co. (Denver)	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
→ Huntington Beach(Calif.)	1.8 SE; hwy NW	4	19 S1	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii) (NC)-Not charted. → NEW OR REVISED DATA

DENVER AREA (SEE CHART 27)



● DESIGNATED RADIO FIX

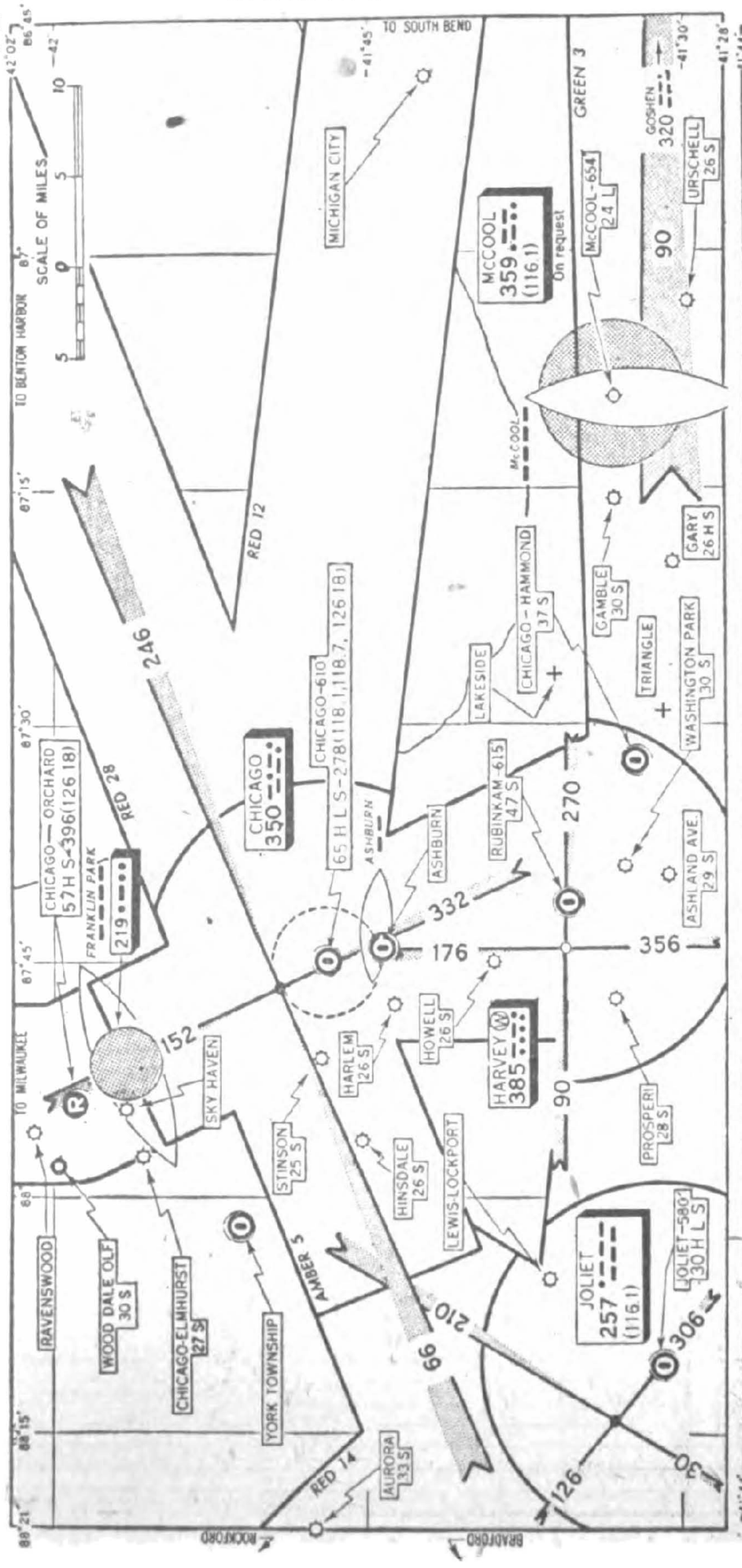
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE "B" BOUNDARYS.

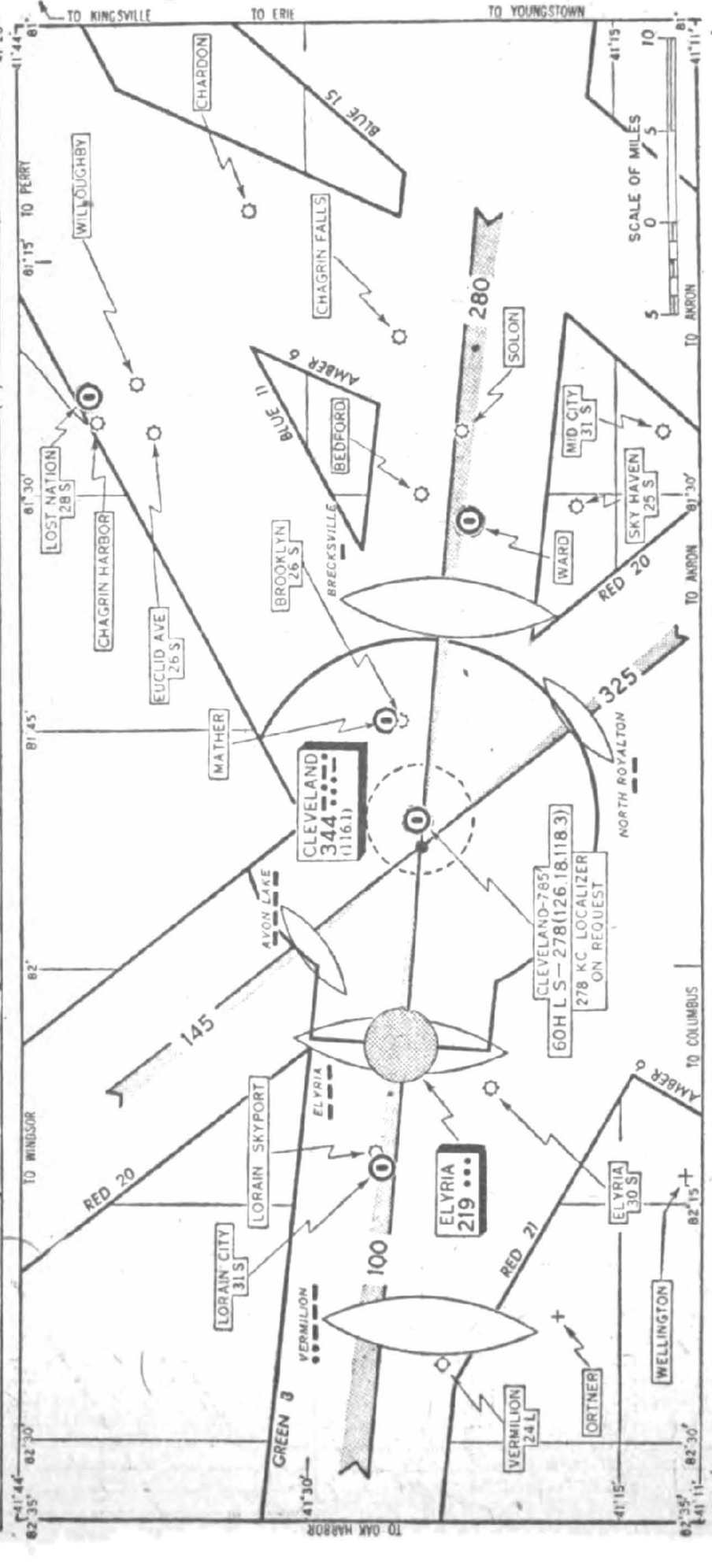
R: EXTREMELY HAZARDOUS

U: USABLE WITH CAUTION

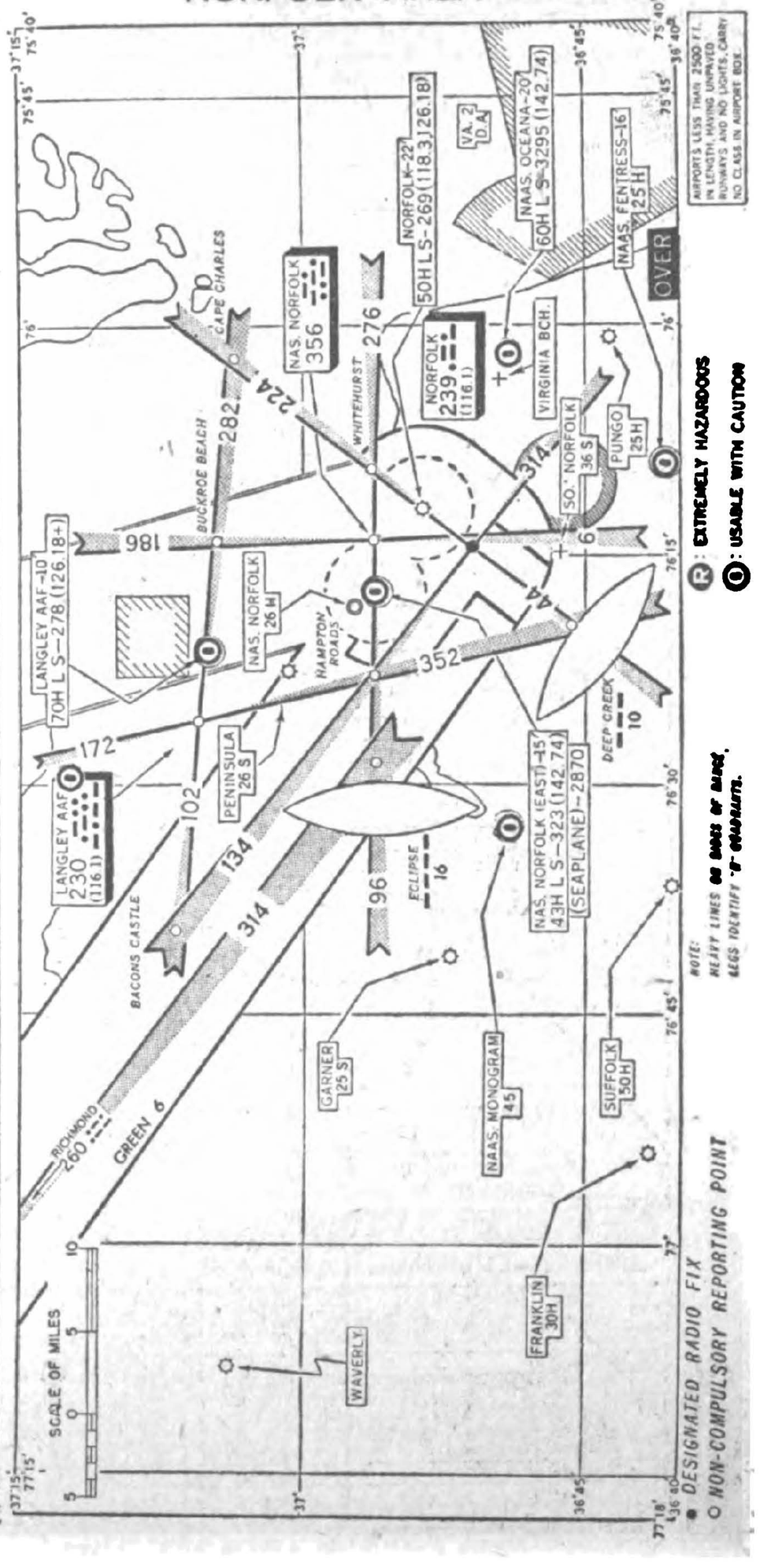
CHICAGO AREA (SEE CHART 34)



CLEVELAND AREA (SEE CHART 38)



NORFOLK AREA (SEE CHART 111)



CHICAGO–CLEVELAND–NORFOLK

RADIO — ILLINOIS

LOCATION	FREQ, IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
~~ASHBURN LFM~~	(- -)	LFM,152°, 6.25	Chicago
~~CHICAGO~~	359(CG)(116.1)	SBRAZ-VDTX	(3);116.1
► Chicago Airport	278(126.18, 114.7,118.1)	AC (ILS);152°,2.2	(4);131.9,126.18,118.7,118.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
FRANKLIN PARK	219 (L)	FMK; 332°, 9.5	Chicago
HARVEY (Rubinkam)	385 (GH)	MLWZ; 90°, 2.2	
JOLIET	257(JOT)(116.1)	SBRAZ-VDT; 126°,3.6	(4); 116.1
► CHICAGO-ORCHARD(Chicago)	396(126.18)	C	(4);126.18 (R-24)
INDIANA			
McCOOL (Int)	359(ML) (116.1)	MHVT	(4); 116.1
McCOOL FM	(- - - -)	FM, 270°, 67	Goshen
OHIO			
AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BRECKSVILLE FM	(-)	FM, 201°, 10.3	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDTX	(3);116.1
Cleveland Airport	278 (126.18) (118.3)	AC (ILS);100°,0.7	(4); 118.3, 126.18
ELYRIA FM	(- - -)	FM, 280°, 10.9	Cleveland
ELYRIA	219 (S)	FMK, 280°, 10.9	Cleveland
NORTH ROYALTON LFM	(- -)	LFM, 145°, 10.8	Cleveland
VERMILION FM	(. - - - -)	FM, 280°, 26	Cleveland
VIRGINIA			
DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM, 276°, 16	Norfolk NAS East Field
LANGLEY FIELD (Army)	230(DLY) (116.1)	SBMRAPZ-VDT	(3); 116.1
Langley Field	278 (126.18) (116.1)	CA; 102°, 3.5	(4); 126.18 only
NORFOLK	239(NW)(116.1)	SBMRLZ-VDT	(4);116.1
Norfolk Airport	269 (126.18) (118.3)	AC; 44°, 3.4	(4);131.9,126.18,118.3
Norfolk (Navy)	356 (NGU)	BMRLZ	
Norfolk NAS(East Fld)	323 (142.74)	CN; 276°, 2.9	(5); 142.74
Norfolk NAS(Seaplane)	2870	CN	2870 (7-17 & on req)
► OCEANA NAAS	3295(142.74)	CN	3105,4495;142.74(745-1830)(GCA)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. on mcs. Compass Locators in ( ))

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE PLACEMENT & COMPASS LOCATORS			
CHICAGO, ILL.	109.9		132° Mag.	IM ·····(.04)	MM	OM	--(1.89)
					MMK 201 ···(.71)	OMK	
CLEVELAND, OHIO	109.9		54° Mag.	IM ·····(.06)	MM	OM	--(4.75)
					MMK	OMK	

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (3)-3105,4495,6210 kcs., (4)-3105,4495,6210,3117.5 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS — ILLINOIS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Ashburn (Chicago)	12 SW;hwy W	620	16 S4	73,80 oct.Unsafe after rain.
Ashland Ave(Chicago Hgts)	1.5 NW;hwy S	675	29 S6	80,91 oct.Obsts sur fld.
Aurora	3 NNW	701	33 S4	80 oct. Twr NE;stack SE.
A,N) CHICAGO	9 SW of loop	610	65h R3 L6 S6	73,80,91 oct. FEE.
Chicago-Elmhurst(Elmhurst	2.5 N;hwy SW	707	27 S6	80,91 oct.Poles S,E.
(A) Chicago-Orchard (A)	16 NW;RR W	657	57h R1 S6	
Chicago-Hammond(Lansing)	1.5 S;RR N	660	37 L1 S6	73,80oct.Obsts sur. fld.
Harlem (Oaklawn)	2.2 WNW;hwy W	610	26 S6	80 oct.Pole line E.
Hinsdale	3 S;hwy SE	710	26 S6	73,80 oct. Rolling ground.
Howell (Blue Island)	3 W; hwy E	600	26 S4	80 oct. Obsts sur fld after 2400.
Joliet,22,18-02	5 W;riv W	580	30h R1 L4 S4	80, 91 oct.Flood lgts prior req

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. ► NEW OR REVISED DATA

ILLINOIS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lewis-Lockport(Lockport)	2.2 WNW;hwy E	664	26 S6	80,91 oct. Twr SE.Obsts sur fld.
Prosperi (Tinley Park)	1.7 SSW;hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW;hwy E	650	17 S6	80 oct. No sto.
(P) Rubinkam (Harvey)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W part only.
St. Charles (NC)	3.5 E;RR E,S	760	18h	Pole line N.
Sky Haven(Bensenville)	1.5SE;bet RR,rd	650	22 S1	73,80oct. Use stripe only.
Stinson (La Grange)	2 SE;hwy SE	644	25 S6	80,91 oct.Pole line S,W.
(P) Washington Park(Homewood)	1.5 SE;hwy E	625	30 S6	80,91 oct.Allway area.
Wood Dale (Glenview)	10.5 SW	711	30 S5	80 oct.
York Township(Lombard)	2 SSW;hwy N	726	20 S6	80 oct.Use stripe.Pole line N,E.
INDIANA				
Gamble (Hobart)	1.8 NNW;hwy S	650	30 S4	73,80 oct.Obst sur fld.
Gary	6 S;hwy W	610	26h S6	80,91 oct.Trees N,E,S.
★ McCool Int,3,CG-LG	2 SW;hwy S	654	24 R1 L3	
Michigan City	4 E;RR N	650	24 S1	80,91 oct.Pole line E,S,W.
Urschell(Valparaiso)	1.7 NNE;hwy E	766	26 S2	80 oct.Pole line N.
OHIO				
Bedford	2 NE;hwy W	1060	17 S2	73 oct.
Brooklyn (Cleveland)	5.5 SW;RR S	780	26 S2	73 oct.
Chagrin Falls	3 E;hwy SW	1220	23 S4	80 oct. Pole line N.
Chagrin Harb.(Willoughby)	2.5 NNW	620	22 S6	80 oct. Pole line W.
Chardon	2.8 S	1230	22 S1	80 oct. Pole lines sur fld.
(A) CLEVELAND	8.5 SW;riv W	785	60h R3 L6 S6	73,80,91,100oct.JP-1.FEE. 4RPT
Elyria	1.6 SSW;RR NW	745	30 S2	80 oct. Poles SE. OF ENTRY
Euclid Ave.(Willoughby)	1.5 WSW;RR N	640	26 S6	80 oct.Poleline S,hi-line N.
Lorain City (Lorain)	2.1 SW;RR N	610	31 S1	80 oct.Pole line NE,SE.
Lorain Skyport(Lorain)	2.8 W;lake NW	610	30 S1	80 oct.Pole line S,SE.Rnwy data
Lost Nation (Willoughby)	3 N;lake NW	626	28 S6	80,91 oct.Obsts sur fld. unver.
Mather (Cleveland)	5 SW;RR S	740	19 S2	80 oct.
Mid City (Hudson)	2 S;RR S	1080	31 S4	80 oct.Poles W,NW.
Ortner (Wakeman)	4 NNE;RR S		26 S1	73 oct.Data not verified.
Sky Haven (Northfield)	2.5 SSE;RR NE	1040	25 S4	73,80oct.No sto.Pwr line N,S.
Solon	1.1 SSE;RR NE	1034	24 S6	73,80 oct.Pole line SE,W.
★ Vermilion Int, 28,CG-LG	3.7 SW;RR SE	610	24 L3	
Ward (Bedford)	1.5 S;RR E	900	20 S4	80 oct.No storage.
Willoughby	1.2 E;RR NW	700	22 S6	80 oct. Pole line sur fld.
VIRGINIA				
(N) Fentress NAAS (N)	2.5 ESE;hwy N	16	25h	INACTIVE.
(P) Franklin	1.7 NE	38	30h	
Garner's (Windsor)	4.8 NNE;hwy W	80	25 S2	80 oct.
Glen Rock (Norfolk)(NC)	4.2 E;RR S	18	24	Twrs,pole line S&.
(A) Langley Field (A)	3 N Hampton	10	70h R2 L5 S6	73,91,100 oct.JP-1
(N) Monogram NAAS (Drivers)	2.8 W;riv W	21	45	INACTIVE. (N)
NORFOLK	5 ENE;RR SE	22	50h R2 L5 S4	80,91 oct.
(N) " NAS (Chambers)(N)	7 N;rd N	13	26h	CLOSED. Use East Field.
(N) " NAS (East Field)(N)	6 N;RR SW	15	43h R2 L5 S6	91,100 oct.NATS,NAFC.
(N) Oceana NAAS (N)	1 SW;RR N	20	60h R1 L5 S4	91,100 oct.No bcn.
Peninsula(Hampton)	2 WSW;RR N	12	26 S4	80 oct.
Pungo	0.8 NE	15	25h	
South Norfolk (Norfolk)	6 SSE		36 S4	Fuel.No sto.Data unverified.
(P) Suffolk	3.8 SSW;RR E	66	50h	
Waverly	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush sur fld.
Virginia Beach Va.	4.5W;RR,hwy N	15	42 S4	80,91 oct.Pole line N.Data unver.
Lakeside (Gary) Ind.	7.5 W		35 S4	73,80 oct. Unverified.
Triangle (Dyer) Ind.	2 NE		27	Unverified.

SEATTLE – PORTLAND – SAN ANTONIO – ST. LOUIS

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JERSEYVILLE FM	(-)	FM, 350°, 21	St. Louis, Mo.
SCOTT (Belleville) (Army)	263 (DCD)	SBRAPZ-DT	(4)
Scott Field	396	CA; 49°, 1.8	(4)

MISSOURI

LAMBERT-ST. LOUIS ARPT. (St. Louis)	278 (126.18) (142.74)	AC (ILS)	(4); 131.9 126.18 142.74
ST. LOUIS (Lambert-St.Louis Airport)	209 (LS)	SBRAZ-DTX 276°, 2.2	(3)
ST. PETERS FM	(- - - -)	FM, 273°, 14.2	St. Louis
SPANISH LAKE	219 (L)	FMK; 63°, 7.8	St. Louis
SPANISH LAKE FM	(- -)	FM, 69°, 7.8	St. Louis

OREGON

PORTLAND	332 (PD)	SBRAZ-DT	(3)
Portland AAB	278 (126.18) (118.3)	AC; 171°, 3.1	(4); 142.74 131.9 118.3 126.18
PORTLAND LFM	(- -)	LFM, 76°, 1.6	Portland
WILLAMETTE FM	(. . - -)	FM, 76°, 20.6	Portland

TEXAS

ALAMO (San Antonio) (San Antonio Airport)	344(JR)(116.1)	MLZ-VDT	(3); 116.1
BROOKS FIELD (San Antonio)	396 (126.18)	CA	(3); 126.18
KELLY FIELD (San Antonio)	219 (126.18)	CA	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMQLZ	(3)
Randolph Field	272 (126.18)	CA; 322°, 2.04	(3); 126.18
SAN ANTONIO (Kelly Field)	254(ZN)(116.1)	SBRAZ-VD, 107°, 1.8	(4); 116.1
San Antonio Arpt.(Alamo Fld)	278 (118.3)	C	(4); 118.3 131.9 126.18
SPRING BRANCH FM	(-)	FM, 354°, 21.6	Alamo

WASHINGTON

HOBART FM	(--)	FM, 83°, 15	Seattle
LAKEVIEW FM	(- - -)	FM, 175°, 25.5	Seattle
KING CO. AIRPORT (Seattle)	278(126.18) (118.3)	AC	(4); 131.9 140.1 126.18 118.3
McCHORD (Tacoma)(Army)	272 (DTA)	BMRL	
McChord Field	396 (126.18)	CA (ILS); 269, 1.7	(3); 116.1 126.18
SEATTLE (King Co. Airport)	260(BA)(116.1)	SBRAZ-VDX, 290°, 3.3	(3); 116.1
SEATTLE NAS (Navy)	322 (WN)	FM	(4) cont.
Seattle NAS	230 (142.74)	CW	(3); 142.74 (8-sunset) (GCA)
WASHOUGAL FM	(-)	FM, 63°, 17.5	Portland, Oregon
WOODLAND FM	(- - - -)	FM, 331°, 23	Portland, Oregon

– St. LOUIS AREA –

INSTRUMENT (LANDING) SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LAMBERT-ST. LOUIS, MO.	110.3		236° Mag.	IM ·····(.06)	MM	OM --(2.50)
					MMK 201 ···(.60)	OMK

– SEATTLE AREA –

McCHORD, WASHINGTON	109.9	333.8	337° Mag.	IM (.26)	MM ·····(.85)	OM --(4.44)
					MMK	OMK

S-Simultaneous Range and Voice; W-Without Voice; Z-VHF Station Location Marker at Range Station. (J)-3105,4495,6210 kcs.; (4)-3105,4495,6210,31175 kcs. Parenthetical Numbers in the Frequency Column Indicate VHF on which Voice is Available.

AIRPORTS

ILLINOIS

AIRPORT— CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Gundlach (Belleville)	1.8 E	514	23	Obsts surround fld.
Lakeside (E. St. Louis)	7 NNE; lake W	420	32 S6	73 oct.
Parks (E. St. Louis)	4.2 SW; RR SE	410	26 L1	25-75' obsts on fld.
Parks Metropolitan (East St. Louis)	3.5 ESW; RR W	420	17h S6	80, 91 oct.
(A) Scott (Belleville)(A)	7.5 ENE; RR S	444	55h R2 L5 S5	73, 91, 100 oct. JP-1.
Wedlow (Alton)	3.5 NNW	600	25 S4	80 oct.

MISSOURI

Black Walnut (St.Louis)	18 NNW	442	26		
Creve Coeur (St. Louis)	14.5 WNW; lake E	445	37		
Ellisville	0.4 NE; hwy S	750	16 S2		80 oct.
Kretz (St. Charles)	1.1 ESE; RR S	442	30 L S6		80, 91 oct. Port rnwy lgts.
(A) LAMBERT-ST. LOUIS(St.Louis)	10.8 NW; hwy N,W	552	60h R3 L6 S6		80-100 oct. Rdo req.
Meshens (NC)	1 NNW	450	41		
Meramec (Valley Park)	1.5 NNE; riv N	440	30 L S2		80 oct. Port rnwy lgts. Pole line S.
(N) Anheuser OLP (St.Louis)(N)	22 NNW; riv N	438	20h		
St. Charles	5.3 NNW; RR W	470	29 S6		80 oct. Poles E, N, NE, SE.
Starling (St. Louis)	14 SSW; RR E	615	26 S4		80, 91 oct. Obsts surround fld.
Sylven Beach (Fenton)	2 NNW	442	42 L S2		80,91 oct. Port rnwy lgts. Pole line N.
Weiss (Kirkwood)	4 SW	430	15 S4		80 oct. Pole line NE, N.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see supplt) (NC)-Not charted. → NEW OR REVISED DATA

OREGON

AIRPORT— CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aurora Flight Strip	1.6 NNW; hwy W	196	41h	
Barrett-Schuler (Woodburn)	2.8 WNW; RR E	200	29 S1	73 oct. Pwr line NNE.
Bernard (Beaverton)	1.4 NNW; RR E	204	18 S6	80,90 oct.
Canby	0.5 NNW	150	17 S1	80 oct. Pwr line NE, SW.
Columbia Co. (Scappoose)	1.2 NE; RR W	55	40h L S6	80 oct. Port. rnwy lgts. Pole line N,NW
Dwyer Landing Fld. (Portland)	7 SE; RR NW	200	16	Obsts ENE, WSW. Ditch around strip.
Green Acres (Mulino)	1.9 SSW; RR W	269	18 S4	73,80 oct. No sto. Obst SSE.
Hillsboro	2.4 ENE; RR S	200	41h L5 S6	73,80 oct. No sto.
(A,N) PORTLAND AAB (A)	5 NNE; Fly N	19	55h R2 L5 S6	73, 91, 100 oct. JP-1. No sto.
R. O. K. (Gresham)	2.2 W; RR S	285	26 S5	73 oct. No sto. Pwr line E, ENE.
Sky Park (Oregon City) (NC)	2.7 SE; RR NW	440	27 S6	80 oct. Pole line S.
Sportsmen Arpk. (Newberg)	1 E; Fly SW, RR N	173	23 S2	Ltd 80 oct. Trees NNE.
Tron's Skyport (Portland)	6 E; Fly N	250	26 S6	80, 91 oct.
Troutdale	1 NW; RR S	34	46h L3 S6	73, 80 oct.
Portland Birdsdale (Portland)	8.5 E; RR N	220	23 S6	80,91 oct.

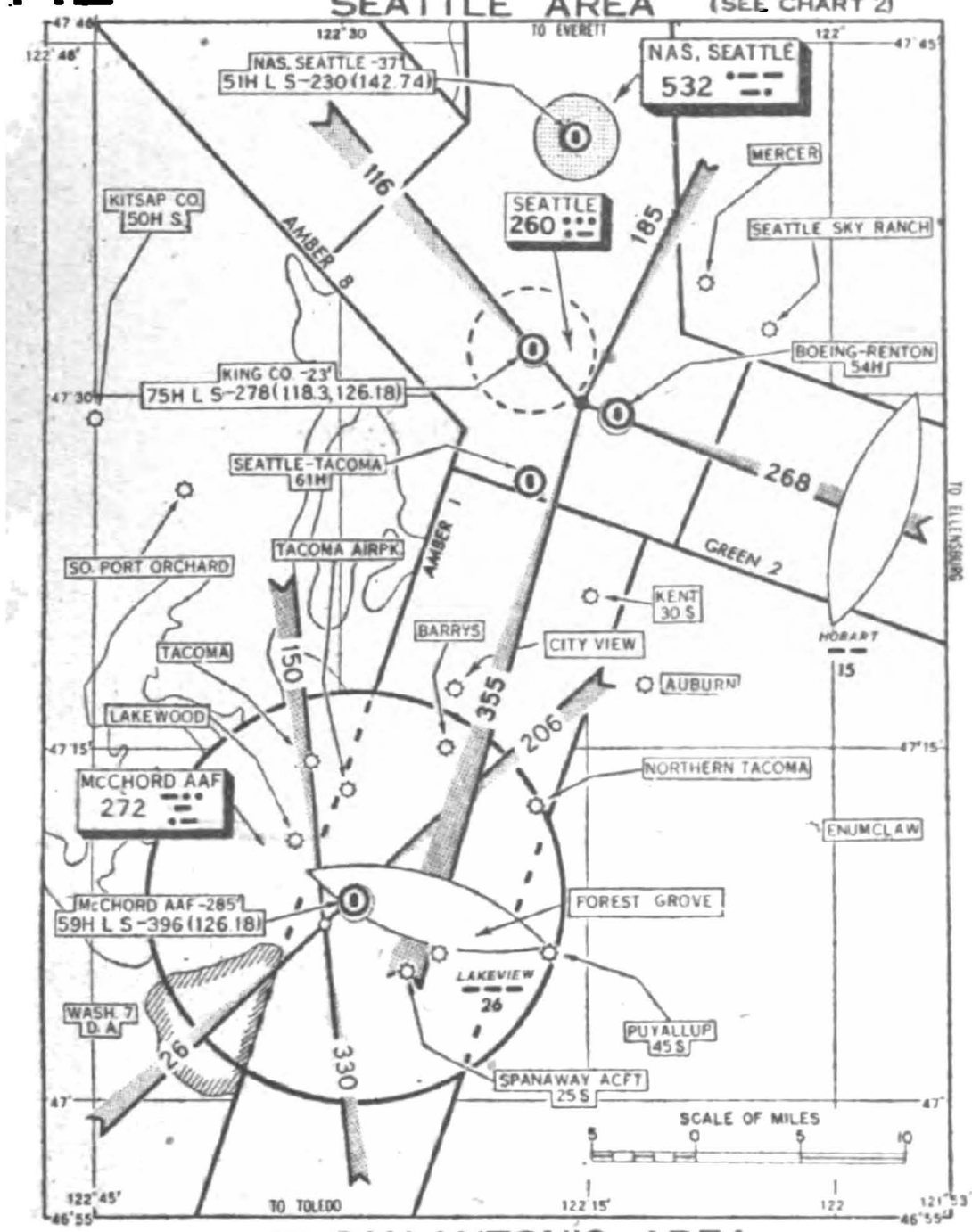
TEXAS

Bexar Co. (San Antonio)	7.1 SSW; rd W	640	32 S6	80, 91 oct. Poles, trees N,NW,W,S.
(A) Brooks (San Antonio)(A)	6.5 SSE; RR W	594	12h R1 L5 S6	73,91,100 oct.
Creiger (Sayers)	1.8 W; hwy, RR N	650	41 S1	80 oct.
Davis (San Antonio)	6.7 N; RR SE	780	16 S1	80 oct.
Hurt (San Antonio)	6.5 WNW; hwy W	680	30 S6	80 oct.
(A) Kelly (San Antonio)(A)	6.8 SW, RR NE	679	75h R2 L5 S6	42,73,91,100 oct. JP-1. FOREIGN CLEAR. STA.
Kuebler (New Braunfels)	1.7 SE; Fly NW	720	18	Pole line NW. Cattle.
Lake (San Antonio)	10 S; RR E	700	23 S2	73 oct.
Leon Valley (San Antonio)	8.6 WNW; hwy E	710	40 S6	80,91 oct. Pwr line N,W. NW.
(A) Martindale (San Antonio)(A)	7.1 E; RR S	660	30h	
Mission (San Antonio)	4.5 S; hwy E	567	23 S6	80 oct. No sto. Pole line NNE.
(A) Randolph (San Antonio)(A)	15.6 ENE; RR NW	752	70h R2 L5 S6	91,100 oct. No sto.
SAN ANTONIO MUN-ALAMO	7.8 N; RR SE	785	55h R2 L6 S2	73,80 oct.
Stinson (San Antonio)	6.2 SSE; RR E	567	49h	
Yates (San Antonio)	13.7 N; hwy W	969	33	
(A) Zuehl No. 6 (A)	0.8 NE, hwy NW	610	30h	

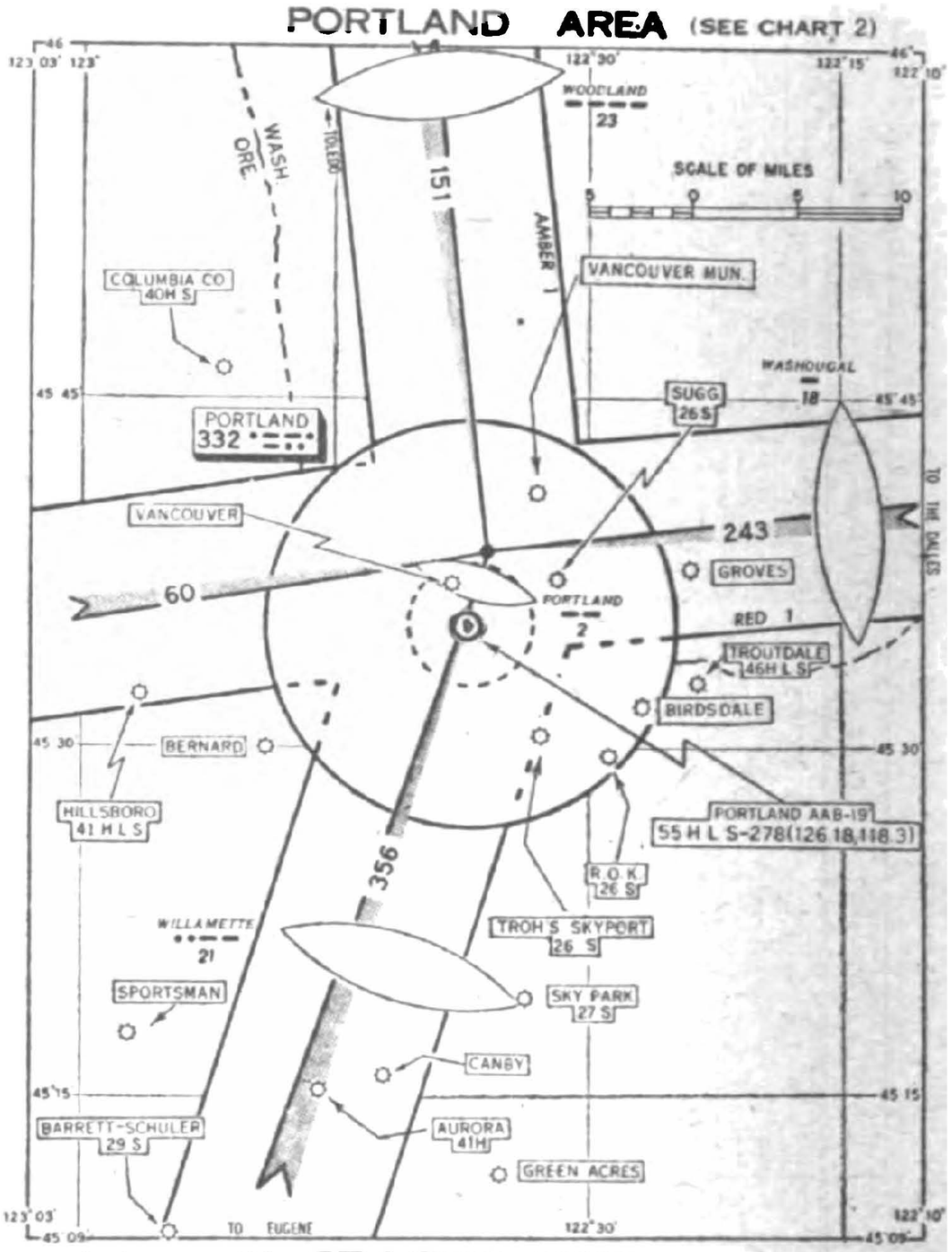
WASHINGTON

Barrys Sky Harbor (Tacoma)	7.3 ENE; riv SW	4	21 S3		80 oct. Pole line E.
Boeing-Renton (Renton)	0.9 NW, lake N	32	54h L5		RESTRICTED. All lgts prior req.
Enumclaw	1.5 WSW; hwy E	740	20 S2		Ltd 80 oct. Pwr line E.
Groves (Camas)	2.8 N, hwy E	350	16 S1		Ltd 80 oct. Lake SW.
Kent	1.5 SSW, riv W	30	30 S6		80 oct.
(A) KING CO.-BOEING (Seattle)	6 S; riv SW	21	74h R2 L5 S6		80-100 oct. No sto. ARPT OF ENTRY. FOREIGN CLEARING STATION.
Kitsap Co. (Bremerton)	8 SW; hwy NW	482	50h L5 S6		80,91 oct. No sto. Lgts on req.
Lakewood (Tacoma)	7.5 SSW; RR E	243	22 S1		80 oct. Trees ENE, SW.
(A) McChord (Tacoma)(A)	7 SSW; lake SE	285	59h R3 L5 S6		73,91,100 oct. JP-1. FOREIGN CLEARING STN.
Mercer (Bellevue)	4.1 ESE; lake E	34	20 S5		80 oct. Tie-down sto.
Northern Tacoma (Puyallup)	1.3 N; RR W,S	20	19		
Puyallup	6 S; hwy W	520	45 S6		80,91 oct. Rnwy data unverified.
R. C. Sugg (Orchards)	3.6 SSE; hwy S	310	26 S6		80 oct. 6.8 E Vancouver.
Seattle Sky Ranch (Issaquah)	1.6 NNW, hwy S	50	29 S6		80,91 oct. No sto. hill S
(N) Seattle NAS (N)	6.5 NNE; lake E	37	51h R1 L5 S6		91,100 oct.
(N) Seattle-Tacoma (Seattle)	10.5 S, RR E	405	61h		Trees and hills surround fld.
South Port Orchard (Port Orchard)	7.5 SSW; lake S	350	19 S4		80 oct. No sto. Trees N. S.
Spanaway Acft Co. (Spanaway)	1.2 SSE; RR S	375	25 S1		80 oct. Pole line S.
Tacoma	4.4 W; hwy SE	359	22 S6		80, 91 oct.
Tacoma Airpark (Tacoma)	2.9 WSW; RR E	250	20 S4		80 oct. Sharp drop W edge fld.
Vancouver	1 SE	26	19 S6		Ltd 80 oct. No sto.
Vancouver Mun.	6.7 ENE; hwy W	240	26 S1		80,91 oct.
Forrest Grove (Spanaway, Wash)	1.8 E; RR E	345	30 S6		80 oct.
Auburn (Wash.)	1.8 ESE; hwy S	276	20 S6		80 oct. Trees
Ross (St. Louis, Mo.)	4.8 NNW; RR SE	430	30 S6		80,91 oct. Poles sur fld. Lgt acft only.
→ City View Arpk (Tacoma, Wash)	4.5 NE	350	18		Pole line SW.

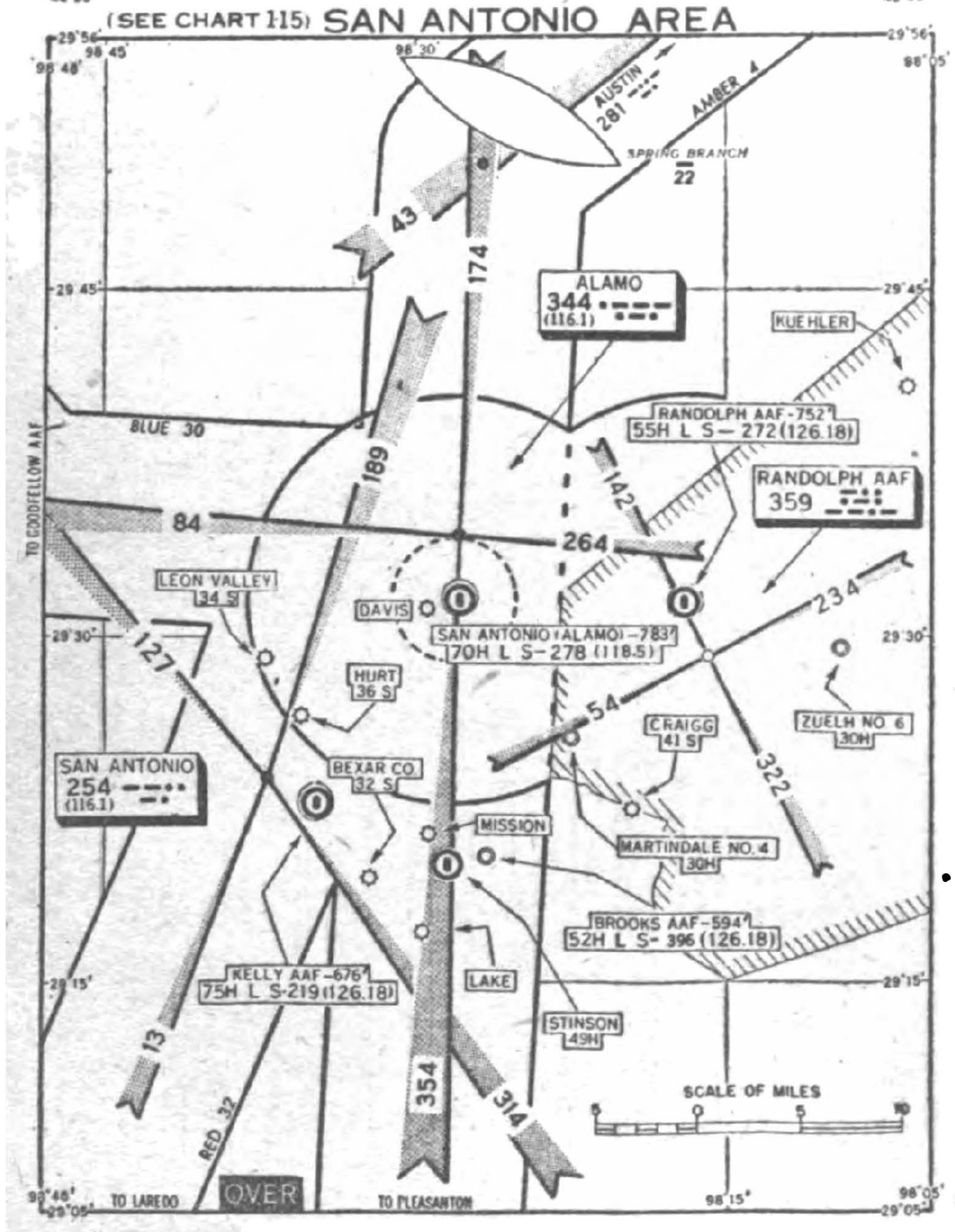
SEATTLE AREA (SEE CHART 2)



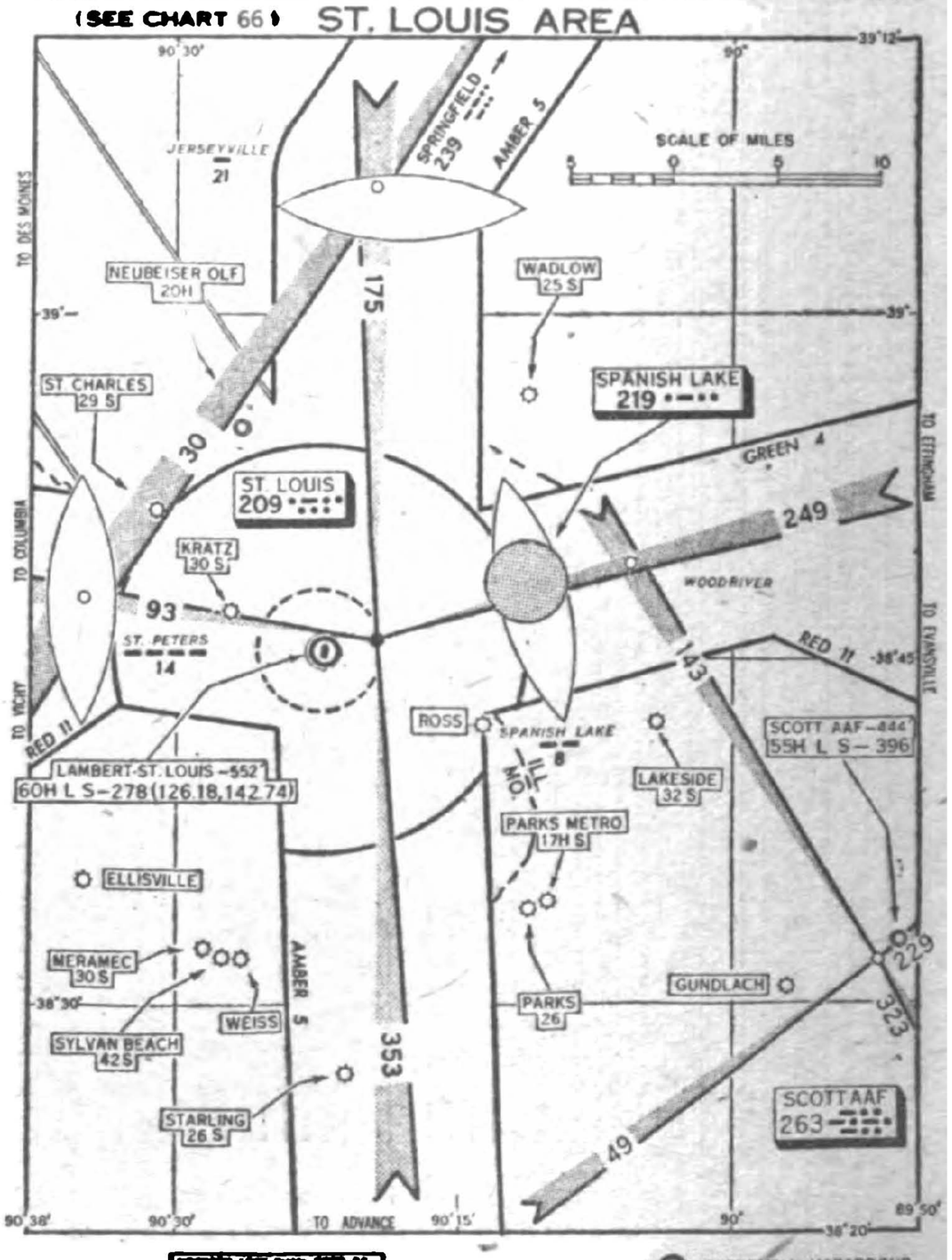
PORTLAND AREA (SEE CHART 2)



(SEE CHART 15) SAN ANTONIO AREA



(SEE CHART 66) ST. LOUIS AREA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE 8 QUADRANTS.

[illegible] Under 2500 FT. [illegible] LIGHTS, [illegible] [illegible] AND NO LIGHTS, Center [illegible] [illegible]

Ⓡ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

Directory of Seaplane Bases and Anchorages

CALIFORNIA

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW	S.L.	211 R1 L5 S6	73,91,100 oct. Ramp; tractor.
(N) Corcoran, Tulare Lake	15.5 WSW	200	74 R1 L1	Buoys. Pole line N.E.Dikes NW,W,S
Lakeport, Clear Lake	E of Lakeport	1325	Unl	Buoy.
Oakland	6 S	S.L.	S4	Ramp;beach;haul-out.Data unver.
(N) San Diego NAS (N)	4.5 WSW	S.L.	106 R1 L S6	87,100 oct. Ramps; haul-out.
(CG) San Francisco CGAS (CG)	9 SSE	S.L.	132 L5 S6	91,100 oct. Ramps; all facs.
(N) San Pedro NAS (N)	2 ENE	S.L.	Unl L1 S4	73-100 oct. Ramps; all facs.

CONNECTICUT

Greenwich	0.8 S	S.L.	Unl	PRIVATE. Ramp. Congested harbor.
Stratford,United Acft.Corp	2 SW	6	53	PRIVATE. Ramp.
→ Westport	2 S	S.L.	40 S6	80 oct. Float; marine railway.
Cromwell	0.8 S;hwy W		90 S4	80 oct.Float;ramp.Data unverified

DIST. OF COLUMBIA

(N) Anacostia NAS (N)	2.4 SE Mon't	8	106 S4	87-100 oct.Ramp;all fac prior req

FLORIDA

Avon Park,Lake Lotela	2 SE; RR SW	100	66 S1	80 oct. Beach.
(N) Banana River NAS (N)	11 SE Cocoa	S.L.	116 L S6	87,98 oct. Ramps; all facs.
Bradenton	Adj N	1	Unl S1	73 oct;80 oct req. Ramp;float.
Clarcona,Hidden Acres	1.5 WNW	90	30 S6	80 oct. Data unverified.
Daytona Beach,Bob Orrell	2 N	S.L.	264 S4	Ramp; float.
" Raymond's	1.5 N	S.L.	Unl S6	80 oct;91 oct req.Ramps;piers;boa
Port Myers,Gulf Airways	2 N	S.L.	Unl S4	80 oct.Ramp;all facs. Data unver.
(N) Jacksonville NAS (N)	7.2 S	S.L.	Unl R1 L5 S4	91,100 oct. Ramps;all facs.
" Riverside	Adj city	7	Unl S1	80 oct. Beach.Data unverified.
(N) Key West NAS (N)	7 ENE	S.L.	130 R1 L S6	91,100 oct. Ramps;buoys.ARPT OF ENTRY
Lakeland, Municipal	Adj NE	145	Unl S1	80 oct. Data unverified.
→ Lake Worth, Municipal	Adj city	S.L.	100 S6	80 oct.Ramp;beach.Obsts E.Unver.
Leesburg, Hal Hoover's	1 N	15	Unl S1	80 oct.Ramp;beach;dock.Data unver.
Melbourne	Adj S	S.L.	Unl S1	80 oct. Float.
Miami, Chalk's	2 E;causeway	S.L.	Unl S4	80 oct. Beach;ramps;winch.ARPT OF ENTRY
(CG) " Dinner Key CGAS (CG)	2.5 SE	S.L.	150 L3 S4	100 oct.Ramps;haul-out,CLSD
" E.Coast Avia. Service	8 NNE	S.L.	132 S4	80 oct. Ramps;buoys. Obsts.
" Embry Riddle	2 E;causeway	S	S.L. 65 S4	80 oct. Ramps.
" Miami Avia. Center	8.5 N	S.L.	Unl S1	80 oct. Data unverified.
Orlando.Orlando Aviation Country Club	5 N	90	60 S1	80 oct. Ramp;beach. Data unver.
" Raymonds	2 W	70	50 S1	80 oct.Float.Twr NE.Data unver.
(N) Pensacola NAS (N)	5.3 SW	S.L.	116 R1 L1 S6	87-100 oct.Ramps; all facs.
(N) " Bronson NAAS (N)	12 WSW	S.L.	Unl L4 S4	87,91 oct. Ramps; all facs.
St. Augustine	Adj SE	S.L.	Unl S1	80 oct. Float; beach; dolly.
St. Petersburg.Albert Whitted	0.75 SE	S.L.	Unl S6	80,91 oct. Data unverified.
(CG) " CGAS (CG)	2.5 E	S.L.	Unl L S4	80-100 oct. Ramps.
" James Johnstone	7 W	S.L.	Unl S6	80 oct. Ramp; all facs.Data unver
" Pinellas County	11 NNW	S.L.	Unl S1	80 oct. Data unverified.
Tampa, Peter O.Knight	4 S; arpt W	8	Unl S6	80 oct. Ramps; all facs.
Titusville	Adj NE	S.L.	Unl S1	73 oct; 80 oct req. Data unver.
West Palm Beach, Midet	1 N	S.L.	158 S4	80,87 oct.Ramps;all facs.ARPT OP ENTRY.

ILLINOIS

→ Alton,Clifton Terrace	3 W		53 S1	80 oct. Data unverified.

IOWA

Davenport,Elliot Fly.Serv	Adj S	550	50 S1	80 oct.

LOUISIANA

Cross Lake	5 NW		100 S4	Fuel; dock.Data unver.
Westwego	1 E	S.L.	53	PRIVATE.May Brothers.

MAINE

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
Bath, New Meadows	2.3 WNW; RR S	12	60	Beach. N,S approaches blocked.
Boothbay,Frank L.Sample Jr	Adj	S.L.	Unl S1	Ramp; float.
Brunswick,Riverside Arpk.	1 WNW;RR,hwy S	60	58 S1	80 oct. Beaching.
Dexter,Heart of Maine	0.5 N	433	40	Buoys;boat. Trees N,S,W.
Eagle Lake	3.8 N	574	70 S1	80 oct. Obsts.
East Holden,Holbrook Pond	1.1 NNE	200	50 S1	73 oct. Ramp;dock.
Eastport	1 W	S.L.	Unl	Ramp.
Fryeburg	2 E	358	120	Trees encircle lake.
Greenville,Moose Hd.Lake	0.6 NNW	1028	50 S4	91 oct. Ramp.
" Jct.,Squaw Mt. Inn	1.5 N	1028	52	Buoy;boat;beach;float.
Madison, Tomlinson	6.8 NE	330	130	Boat;beach;ramp.
Naples	0.5 NNW	267	160 S1	80 oct. Boat.
Portage,Portage Lake	0.4 WSW	609	160 S4	80,91 oct. Beach; boat.
Shinn Pond	0.7 NE	900	60 S1	80 oct.Buoys;beach;wharf, Obst.
Winthrop,Inland Fish & Game	2.7 NNE	212	127 S1	80 oct.Buoys;beach;float.

MARYLAND

(N) Annapolis NAP (N)	1 E	S.L.	Unl S2	Ramp;haul-out;buoys.
(N) Baltimore,Middle River NAP	10 E	S.L.	Unl S6	91,100 oct.Ramp;buoys. (N)
Baltimore	7 S; bay E		Unl L1 S4	Ramps.
Glen Burnie-Whipp	1.5 E	50	100 S6	80 oct. Ramp.
(N) Patuxent River NAS (N)	2.9 NE of Jarboesville	S.L.	Unl S4	90,100 oct. Ramps;buoys.

MASSACHUSETTS

Agawam	1 SSE	30	100 S6	80 oct. Ramp; all facs.
Beverly,Jubilee Yacht Club	Adj S	S.L.	105 S1	Beach;dock. Avail. May - Oct.
Chatham	Adj W	S.L.	33 S2	Ramp;dolly;buoy.
Holyoke, Smiths Ferry	4.5 N	100	95	Obsts. NE, SW.
Lawrence,MerrimackVal'y Skyt	2 E	7	83 S4	No sto. Ramp;float.Data unverified.
(CG) Salem CGAS (CG)	2.5 E	S.L.	150 S4	91,100 oct. Ramps.
(N) Squantum NAS (N)	0.8 W	S.L.	Unl S4	73-100 oct. Ramps;buoys;haul-out.
Swansea,Swansea Boat Yard	2.5 SSW	S.L.	211	Float;buoys;beach.

MICHIGAN

Algonac	2.8 W	574	50 S1	73 oct.
Detroit,Motor Boat	6 ENE	575	Unl S1	Dock. Peach Island S.
" Seapl. Patrol Base Inc	4 ENE	575	Unl S1	73 oct. Dock. Belle Island S.
Kalamazoo, Austin Lake	8 SSE; RR E	855	100 S4	80 oct. Boat;beach;tractor.
North Muskegon,Interstate	0.3 S	581	100	Ramp;boat;dolly.
Trenton, Hance	5 NNE	574	Unl S1	73,80 oct. Beach;ramps.
Whitmore Lake	1 NNE	894	84 S4	Beach;boat;ramp.

MINNESOTA

Bemidji, Moberg	1 NNE	1350	S2	80 oct.
Ely	1.5 W	1337	110 S2	80 oct. Ramps;dock.
Little Falls,Scenic Airways	0.5 N	1110	35 S1	80 oct. Ramps;beach, Poles S.
Marcel, Ronier	0.5 E	1300	30	Trees around lake.

MISSISSIPPI

(CG) Biloxi CGAS (CG)	2 ESE	S.L.	54 S4	91 oct. Ramp.

NEW HAMPSHIRE

Alton Bay,Interstate Awys	Adj N	504	Unl S1	80 oct. Ramp;buoys;wharf.Data unver
Hooksett	2 S	2	80 S6	80 oct. Beach;ramp;tractor.
Lakeport, Paugus Bay	1 NE	504	100 S4	73 oct. Beach;boat;ramp.
The Weirs, Weirs	0.3 SE	504	210 S4	80 oct. Ramps.
Wolfeboro	0.5 SE	504	180 S1	80 oct. Boat;wharf.
" Lakes Region	2.7 W	504	60 S6	80 oct.Ramp; all facs.
" Lake Winnepesaukee	3 WSW		60 S1	80 oct. Data unverified.

R-radio facilities. L-lighting facilities. S-servicing. (See page 1111) → NEW OR REVISED DATA. N.B. Seaplane bases and anchorages are not charted or indexed.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
NEW JERSEY				
(CG) Cape May CGAS (CG)	2 NW	S.L.	60	Ramp; haul-out; buoys. INACTIVE
Little Ferry	0.5 E;brdg N	5	40 S6	80 oct.Boat;ramp;tractor.
Perth Amboy	0.5 S of brdg	5	Unl S1	80 oct,Ramp;all facs.Data unver.
Ridgefield Park,Lambrose Air College	0.5 S	5	40 S4	80 oct. Boat; ramp; winch.
" Mellor-Howard	1 S	5	35 S4	80 oct. Ramp; all facs.
Secaucus, Dawn Patrol	0.5 N;brdg SW	5	50 S2	73 oct. Winch.
NEW YORK				
Alplaus, Wells	0.5 SW	200	50 S4	80,oct.No sto.Ramp.Hi-line E.
Babylon Skyport	1.5 SW	S.L.	Unl S4	80 oct. Ramps;boat.
Buffalo	7.3 NW	570	103 S6	80 oct. Ramp; all facs.
Cooperstown, Otsego	Adj NNE	1194	Unl S1	80 oct.Float;ramp;buoys;winch.
Dobbs Ferry	0.5 SW	5	100	Marine Ry;ramp;winch;float.
Eagle Bay, Adirondack	0.3 S	1707	70 S1	80 oct. Beach.
Lake George, Hall's	0.5 E	330	52 S1	73 oct. Ramp; all facs.
Montauk Yacht Club	2.5 NE	S.L.	Unl S1	87 oct.Buoys;floats. Avail.May-Oct
New York,Downtown Skyport	Foot Wall St.	S.L.	S1	Floats.
" Evers	11 NE	5	70	Ramp;buoy;boat;winch. Bridge SSW.
(N) " NAS (N)	11.8 SSE	S.L.	100 S4	73,91,100 oct.Ramps;tractor.
" La Guardia	5 E	S.L.	211 L1 S6	73-100 oct. Ramps;winch;buoys.
North Long Beach	0.4 N;brdg SW	S.L.	75 S4	80 oct. Ramp;float.
Ossining, Pickair	0.5 W	3	158 S4	80 oct. Boat;ramp.
Oyster Bay,Cold Sprg Harb.	2 E	10	50	Buoys;beach;boat;dolly.
Piseco, Knox Bay	1.5 S	1661	163	PRIVATE. Boat;beach;tractor.
Port Washington,Grumman	1.5 NW	S.L.	158 S4	Ramps; all facs.
Rochester,Point Pleasant	6 NE	246	Unl S1	80 oct. Ramp;float;dock.
Round Lake	0.5 E;RR S,W	188	48 S6	80 oct. Beach;boat;tractor.
Sag Harbor	0.5 N	5	103	PRIVATE. Ramp;tractor.
White Stone, Queens	1 N	S.L.	200 S4	80 oct Ramp;dock.
→ Yonkers	S end	S.L.	Unl S4	80 oct.Ramp;moor.Clsd Dec,15-Mar,15
NORTH CAROLINA				
(CG) Elizabeth City CGAS	3.5 SE	S.L.	106 L1 S4	91,100 oct. Ramps; all facs.
" Harvey Point	13 S	S.L.	Unl	Ramps.
OHIO				
Cleveland,Breckling Air Service	1 E	573	30 S4	80 oct.No sto.Ramp;boat.Data unver buoy
OREGON				
Milwaukie, Portland	3 W	10	32 S4	80 oct. Ramps;boat;beach;winch.
Ocean Lake, Devils Lake	0.7 E	S.L.	59 S4	80 oct.No sto. Beach;winch.
Portland, Safley's	5 NNW	26	60 S1	Ltd 80 oct. Ramp;beach;winch.
PENNSYLVANIA				
	0.7 S			
Beaver	0.5 S	670	50 S1	80 oct. Boat;beach;ramp;tractor.
Corsopolis	0.5 N	675	50 S1	80 oct. Boat;ramp.
Edinboro	1.2 NNW	1200	Unl S1	Ltd fuel.Beach;boat;haul-out.
Harrisburg, Air-Harbor	1 SSW;brdg SE	300	30 S4	80 oct. Boat. No sto.
Kittanning, Sedwicks	0.2 W	769	50	Float;beach;boat.
Milton	1.5 SW	440	50 S	Svcg from Milton Arpt.
Oakmont	Adj NW	725	52 S1	80 oct. Float.
Philadelphia	10 SW	10	Unl S6	80,91 oct. Ramps; all facs.
" Philadelphia Skyport	Center of city	10	Unl S6	Boat;all facs. Data unverified.
(N) " Mustin NAS (N)	4 S	S.L.	120 S6	87-100 oct. Ramp.
Pittsburgh, Buck's	at riv inter.	715	70 S6	87 oct.Boat;beach;ramp;winch.
" Dravosburg	5 SE;jct rivs	718	50 S2	80-100 oct. Ramp;float;boat.
" Highland	5 NNE	721	66 S6	80 oct. Ramp;all facs.Data unverif
Rochester	o.5 S	670	78 S1	80 oct. Float;boat.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
RHODE ISLAND				
Newport	3 NW	S.L.	Unl	Ramps;buoys;boat.
(N) Quonset Pt.NAS(Providence)	16.5 S	S.L.	Unl L5 S6	91,100 oct. Ramps; all facs. (N)
TEXAS				
(N) Corpus Christi NAS (N)	9.5 SE	S.L.	Unl R1 L3 S5	91,100 oct. Buoys;ramps.
La porte, Fay Bros.	2 NE	S.L.	Unl S1	No sto. Floats;marine ry.Data unver.
VIRGINIA				
(N) Dahlgren NAF (N)	Adj SE	10	S2	Ramp.
(A) Langley (A)	3 N Hampton	5	105 S2	Dock;Closed during ice period.
(N) Norfolk NAS (N)	6 N	S.L.	123 R1 L1 S6	87,91,100 oct. Ramps;all facs.
(N) Quantico MCAS (N)	1 S	13	180 S4	Buoys;boat;ramp.
WASHINGTON				
Bellingham	5 ESE	307	158 S2	73 oct. Boat;ramp;winch.
" Lakeside Fly. Serv.	3 E	307	106 S1	73 oct. Buoy;boat.
Bremerton	0.75 E	S.L.	211 S6	80 oct.No sto.Ramps;winch;hoist.
(N) " NAS (N)	0.5 S	S.L.	Unl S4	Ramp;buoys;haul-out.
Chelan, Air Harbor	0.8 W	1079	Unl S1	73 oct. Boat;beach;ramp.
Coulee Dam	3 ESE	1275	Unl S2	73 oct. Boat;beach;marine ry.
Longview, Sky Harbor	1.3 ENE	5	37 S1	73 oct. Float;beach.
(N) Oak Harbor NAS (N)	0.5 SE	S.L.	Unl R1 S	Fuel,sto,prior req.Ramps;buoys.
Oroville, Dorothy Scott	1.7 N	913	52	Boat;beach.
(N) Port Angeles CGAS (N)	2 NNE	13	Unl S4	Ramp; all facs.
Port Townsend	Adj S	S.L.	150 S4	Ltd fuel. Buoys.
Prosser, L & D	1 W	632	76 S1	80 oct. Ramp. 100' pole line WSW.
Seattle,Kurtzer Fly.Svcg.	In city	S.L.	79 S4	80 oct. Ramps;hoist.
(N) " NAS (N)	6 NNE	36	300 L S6	87-100 oct. Ramps; all facs.
" Seattle Service	In city	20	53 S2	80 oct. Ramp;boat.
Tacoma, Flot Haven	0.7 NE	S.L.	26 S1	80 oct.Ramp;floats;boat;winch.Prdg SSE.
Wenatchee	0.5 E	600	53 S1	73 oct.Boat;beach;ramp.
WEST VIRGINIA				
Charleston,Kanawha Flying School	Center of city	586	50 S6	80 oct. Boat;ramp;winch.
Wheeling	Center of city	630	50 S1	87 oct.Boat. Bridges S.
South Charleston	W of city	560	Unl S6	80 oct.Boat;ramp;winch. Data unver.
WISCONSIN				
Madison, Jackson	3 WNW	849	Unl S2	80 oct. Dock;float
Milwaukee	3 ESE;hwy w	585	185 S6	80,91 oct.
Bangor, Down East (Maine)	3 NE.		106 S4	80 oct.No sto.Ramp;float;beach.Data
Fall River (Mass.)	2 E	131	119	Data unverified unverified,
Gloucester (Mass.)	0.3 W	S.L.	50 S4	80 oct.No sto.Morrings;float.Data
Holyoke,South Hadley(Mass.)	3 N	95	66 S3	80 oct. Data unverified. unverif.
Lowell (Mass.)	1 W	95	92 S3	Data unverified.
Lawrence,Merrimac Val'y(Mass)	2 W	45	50	Data unverified.
New Bedford (Mass.)	In harbor	S.L.	Unl	Data unverified.
Athens (New York)	Adj E		Unl S1	73 oct. Float. Data unverified.
Bay City,James Clements	3.7 S	580	35 S4	80 oct. Data unverified. (Mich.)
Comstock Park,Grand River	1 S		50	Data unverified. (Mich.)
Curtis,Ostrander's Forest Inn (Mich.)	1 N		Unl S1	80 oct. Moor.Data unverified.
Iron Mountain,Lake Antoine	1 NE		Unl	Beach. Data unverified.(Mich.)
St.Clair Shores,Jay Bee	Adj.		Unl S1	80 oct.Ramp.Data unverified.(Mich.)
Old Mission (Mich.)	Adj E.	581	120 S1	80 oct.Beach.Data unver.
Connecticut Valley(Windsor Locks,Conn.)	2.5 S.		158 S4	80oct.Hi-tension wires N.Closed winter.Data unver.

R-radio facilities. L-lighting facilities. S-servicing. (See page x111) → NEW OR REVISED DATA. N.B. Seaplane bases and anchorages are not charted or indexed.

NOTICES TO AIRMEN

INTRODUCTION

PROCEDURAL STATEMENT: The AIRMAN'S GUIDE no longer has a separate section for the DIRECTORY OF AIRPORTS or the AIR NAVIGATION RADIO AIDS. These two sections are now inserted as data pages between the flight planning charts. To retain the 2-page chart flow, however, the data pages are found on the reverse sides of the charts rather than facing them. On the data pages are tabulated all the data covering the facilities charted on the reverse sides and formerly found in the DIRECTORY OF AIRPORTS and AIR NAVIGATION RADIO AIDS sections. To facilitate reference to a particular facility, an Index of Facility Locations with the parenthetical number of the page on which the locale is charted has been added to the revised AIRMAN'S GUIDE, e.g., Chicago (139). On the back of page 139 will be found the Air Navigation Radio Aids and the Directory of Airports data covering Chicago.

Because of the serious paper shortage every means of reducing the Airman's Guide bulk has been investigated. Codification and considerable abbreviation are already being utilized. No material may be deleted, however, in this paper conservation program because surveys have revealed that subscribers consider all parts of the Guide essential. Consequently, about the ultimate step in this bulk-reduction direction has just been taken. The data pages backing the charts now serve, where possible, as notam pages. Resultantly, most of the new data formerly notamized in the Notices to Airmen section with prefixed large stars or double asterisks are no longer carried in that section. Only commissionings, abandonments, or changes so potentially hazardous that they are indicated with (R) (for red flag) symbols on the charts, are now cited in the Notices to Airmen section.

Notamizing on the data pages is effected by the use of prefixed arrows as in the former Air Navigation Radio Aids publication. All changes from the previous issue, whether cited in the Notices to Airmen section or not, are indicated by the prefixed arrows. Following are examples of changes notamized only on the data pages: field obstruction, servicing, elevation, location, and runway length changes. Because of the use of the prefixed arrows as new data indicators, a further innovation had to be adopted. This is a heavy black horizontal line device.

Space below the heavy black horizontal lines on the data pages has been reserved as a supplement for new radio aids and airports whose data were received after the data pages were originally typed. Revisions to existing airports and radio aids are super-imposed on the old data, but new airports and radio aids are listed, necessarily out of alphabetical alignment, below the heavy black horizontal lines until the page is re-typed.

In summation: (a) on the data pages backing the charts, new data or revisions are indicated by arrows; (b) in the Notices to Airmen section, citations covering new or revised radio data are prefixed by one large star "★". Citations covering new or revised airport, or miscellaneous data are prefixed by two asterisks "**".

All temporary conditions (field soft, runway under construction, range course out of alignment, etc) are cited in full until they are no longer in effect. When a citation carries a permanent item and a temporary item, the permanent item is underlined. Parenthetical date at end of item indicates time item was reported.

To conform to chart practice, all facility data are listed in the Notices to Airmen section and on data pages alphabetically by states and by facility name. Thus, an airport will be found listed alphabetically under its own name rather than under its locale's name. If the airport or radio facility name is other than that of the city in which it is located, the location is shown in parenthesis after the facility name.

CIVIL FACILITY DATA: Please advise immediately the Office of Aviation Information, Attention A-250, CAA, Department of Commerce, Washington 25, D. C., whenever temporary conditions covering civilian airports or navigational aids begin or terminate, data revisions are effected, or flight hazards are erected or removed.

SPECIAL NOTICES

ARMY DATA: Advice covering Air Forces Fields or Air Forces Operations on civilian fields, or AAF Radio Facilities, and Danger or Caution Area activation, as well as requests for approval for the closing of any army airfields to transient military aircraft for a period in excess of ten days should be directed to: COMMANDING GENERAL, AIR TRANSPORT COMMAND, WASHINGTON 25, D.C. ATTENTION: HEADQUARTERS FLIGHT SERVICES, FLIGHT OPERATIONS. Information to be published will be coordinated and submitted to the C.A.A.

NAVY FACILITY DATA: In accordance with Hydrographic Office Memorandum for Aviations No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air/ground communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25, D. C., for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter #96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

POLICY ON ARMY USE OF TEMPORARILY INACTIVE ARMY AIR FIELDS: 1. Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein by the following notice: "Army temp inactive - civil facs". 2. Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft on official business only under written orders of an air force, command or higher authority. Individual orders for each flight rather than blanket authority is desired. Such airfields will be identified herein by the following notice: "Temp inactive - no facs. (see Special Notice re use)". Operation of Air Transport Command hospital evacuation aircraft will not be limited in any respect by above policy. Above policy statement is not to be construed as countermanding any AAF regulations or letters governing command use of municipal airports or Army airfields.

"OFFICIAL BUSINESS" AS APPLIED TO AAF: The term "official business", within the meaning of AAF Regulation 85-2, is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units or organizations at or near the airfield selected for landing for the purpose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining aircraft clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintining flying proficiency are not considered to be official business within the meaning of this regulation.

AIRPORTS AVAILABLE FOR USE BY MILITARY AIRCRAFT: The attention of Army clearance personnel and of Army pilots is invited to provisions of Section III of Army Air Forces Regulation 85-2, which states in part: "The use by Army aircraft of private airports which have not been leased, purchased, or otherwise acquired by the

✓ Indicates new or revised Special Notice.

Federal Government is unauthorized except in case of emegency or for official visits authorized by an Air Force or Command". This Regulation further states "AAF transient itinerant aircraft may utilize: (a) Government or DLA (development landing area) type airports, subject only to such restrictions as may be listed from time to time in Weekly Notice to Airmen . . . (b) Private airports when legal permits for their limited use are procured by, and filed with the real estate agency of the War Department. . .". Reference to the AAF Installations Direction, and to the Data Pages as well as the Notices to Airmen section of the Airman's Guide should be made in case of doubt as to the proper use of fields. On the Data Pages, all AAF installations are designated by the prefix (A), Navy by (N) and DLA by (P).

RESTRICTION ON C-45, AT-7, AT-11, F-2, and CQ-3 ARMY AIRCRAFT: Upon compliance with following items and notation in Form 1B of each aircraft certifying completion, above types of aircraft may be cleared for IFR flight: (a) Replace all gyro units which on flight check spill either gyro at less than 45°; (b) Compliance with T.O.01-90C-9; (c) Compliance with applicable modifications on auto-pilots prescribed by T.O.'s 01-90-50, 01-90-54, 01-90-52, 01-90-56; (d) Modify receiver dials so that index is turned 90° toward pilot as described in item 7, page 6, T.O. 00-65-14; (e) Periodic inspections prescribed in T.O. 05-45BA-2 for Jack and Heintz instruments and T.O. 45AB-2 for Sperry instruments.

RESTRICTION ON FLIGHT OF AAF AIRCRAFT IN NEW YORK CITY AREA: Effective immediately no AAF acft except those on scheduled transport operations will be cleared to New York City Area unless point of first intended landing is Mitchel Field, Hempstead, L.I.,N.Y. When instrument conditions prevail in New York City Area, no Army aircraft except those on scheduled transport operations will land at or take off from other than Mitchel Field. When contact conditions prevail in New York City Area, aircraft which have been cleared for Mitchel Field but which desire to land at other authorized fields in New York City Area, will, when approaching New York City Area, obtain clearance from New York Flight Service through normal communication means. For purposes of these instructions, New York City Area is defined as a circle 50 miles in diameter centered on southern tip of Manhattan Island. Contact weather New York Area will be considered to be: 2000 feet ceiling, 3 miles visibility, both day and night. When cloud conditions exist below 2000 feet flight conditions will be considered IFR.

MILITARY AND NAVAL LANDINGS IN NEWFOUNDLAND: All military and naval aircraft landing in Newfoundland should use Harmon Field at Stephenville or Naval Operation Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

RESTRICTIONS ON AAF HELICOPTERS: YR-5A, R-5A, YR-5D, R-5D (except as indicated below*) and YR-5E helicopters are grounded and will not be flown.

*R-5D helicopters No. 43-46643 and subsequent have been modified by the contractor and may be released for flight.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA - Morrison Field, Fla.; Washington National Airport, D.C.; or Westover Field, Mass. ALASKA - McChord Field, Wash.: Great Falls AAF, Mont. BERMUDA - Mitchel Field, N.Y.; Morrison Field, Fla.; Washington National Airport, D.C.; or Westover Field, Mass. CANADA - Great Falls AAF, Mont.; McChord Field, Wash.; Washington National Airport, D.C.; Selfridge Field, Mich.; or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif.; Kelly Field, Tex.; or Morrison Field, Fla. CARIBBEAN - Morrison Field, Fla. ENGLAND, GREENLAND, ICELAND, NOVA SCOTIA, NEWFOUNDLAND, AND NORTH IRELAND - Washington National Airport, D.C., and Westover Field, Mass. (Note: Selfridge Field also will clear for Nova Scotia and Newfoundland). HAWAII - Fairfield-Suisun AAF, Calif.

OPERATING PROCEDURE UNDER AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): 1. Departure from AAF Bases. No change. Reference: AAF Regulations 15-23 and 60-22. 2. Departure from non-AAF Bases. AAF aircraft departing from non-AAF bases will file a complete flight plan with, and secure approval from, the nearest Flight Service Center prior to takeoff, or as outlined in AAF Regulation 60-22. Communications with a Flight Service Center may be established through the nearest AAF base or AACS Arwy radio station by telephone or radio. In addition to the Flight Service clearance, pilots contemplating flight under Instrument Flight Rule conditions will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA Communication facilities. However, if CAA Communication facilities are not available, the CAA clearance may be obtained through Flight Service. 3. Change of Contact Flight Rule (CFR) Flight Plan Enroute. AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACS Airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of Instrument Flight Rule (IFR) Flight plan, or CFR to IFR, or IFR to CFR enroute. AAF aircraft requiring a change of route, altitude, point of first intended landing, cruising speed or alternate airport, or change from CFR to IFR or IFR to CFR enroute, will contact a CAA communications station for coordination and approval by CAA Airway Traffic Control and Flight Service. If communications with CAA communications station cannot be established, AACS Airways radio station will be contacted for coordination and approval by CAA Airway Traffic Control and Flight Service. 5. CFR Position Reports. When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS Airway radio stations enroute and receive any necessary advisories from Flight Service.
6. IFR Position Reports. When flying under IFR conditions, pilots will first make position reports to CAA communication stations as heretofore required, and will then make position reports to AACS Airways radio stations in order that the responsible Flight Service Center may furnish any necessary advisories. 7. Voice Calls. AACS Airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio".
8. All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency and service obtainable. An index to AACS Airways Stations within the U.S., together with a listing of the assigned frequencies, may be found on pages 94 and 95 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service
A	116.10 mc..	CAA AIRWAYS (RANGE STNS) *AACS Airways (Plan 62)
B	126.18 mc.	CONTROL TOWERS
C	137.88 mc.	AACS AIRWAYS (PLAN 62) *Control Towers.
D	140.58 mc..	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL.

* Available for service indicated on a secondary basis.

9. It will be some time before all AAF aircraft are equipped for operation on AACS Airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt

to make position reports to Flight Service as described above. However, emergency Flight Service advisories may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS Airways frequencies will contact airways stations whenever possible rather than AAF control towers.

ARMY AIRWAYS FACILITIES: In accordance with AAF Letters 100-74, 100-89, 100-2 and AAF Manual 100-65-1, the AAF Military Flight Service Communications System was placed in operation November 1, 1946. This new system, replacing the leased CAA communications system previously used for CFR flight plans and associated communications, handles AAF operational point-to-point and air-ground communications pertaining to departures, arrivals, emergency rescue, hurricane evacuation, flight advisories, clearances, transportation and cargo services, training, bomb scoring, and RON messages The CAA continues to handle IFR flight in accordance with statutory responsibility. Operating instructions for the guidance of AAF pilots are furnished by special notice entitled: "Operating Procedure under AAF Military Flight Service Communications System (Plan 62)". This system is operated by 9 AAF Military Flight Service Communications Centers located at the following points which will have an area of responsibility corresponding to that or two or more CAA airway traffic control centers as indicated: McChord Field, Wash. (Area encompasses present Seattle and Great Falls CAA Areas); Hamilton Field, Calif. (Area encompasses present Oakland and Salt Lake City CAA areas); March Field, Calif. (Area encompasses present Los Angeles, Albuquerque, and El Paso CAA areas); Lowry Field, Colo. (Area encompasses present Denver, and Minneapolis, and Kansas City CAA areas); Ft. Worth AAF, Tex. (Area encompasses present Ft. Worth and San Antonio CAA areas); Maxwell Field, Ala. (Area encompasses present Memphis, New Orleans, Atlanta CAA Areas); MacDill Field, Fla. (Area encompasses present Jacksonville and Miami CAA Areas); Olmsted Field, Pa. (Area encompasses present Washington, Pittsburgh, New York, and Boston CAA areas); Wright Field, Ohio (Area encompasses present Detroit, Cleveland, Cincinnati, St. Louis, and Chicago CAA Areas). Communications with Army aircraft are accomplished by means of HF and VHF installations as listed on pages 94 and 95 of T.O. 08-15-1 of November 15, as well as by means of AAF control towers. Almost all of air/ground stations listed are now in operation. Notice of inoperativeness or of changes therein will be given in "Notices to Airmen" Section.

STANDARD NAVY GROUND CONTROL APPROACH FREQUENCY ASSIGNMENTS: Allocations of frequencies, both HF and VHF, for Navy GCA use have been coordinated with the AAF. Universal frequencies allocated primarily for Navy GCA operational use are as follows: HF Communications - 3475 kcs., 4890 kcs., 6640 kcs.; VHF Communications - 134.64 mcs., 142.02 mcs., 143.64 mcs. As a safety precaution, Navy GCA Units will also be prepared to control aircraft on 140.58 mcs., the Navy emergency frequency. To provide a means whereby Navy aircraft may receive assistance from Army GCA Units and vice-versa, the following agreement will govern: (a) Army GCA Units will at all times be prepared to control Navy Aircraft on 140.58 mcs. (b) Navy GCA Units will be prepared to control AAF aircraft on 140.58 mcs. It is the responsibility of the pilot desiring GCA assistance to establish communication with the appropriate control tower for preliminary approach instructions. The pilot will then be instructed as to the proper frequency for contacting the GCA Unit. Navy GCA Operational Units are located as follows: Whidbey Island NAS, Wash.; Charlestown NAAS, R.I.; Oakland NAS, Calif.; Miramar MCAS, Calif.; Seattle NAS, Wash.; Olathe NAS, Kans.; Oceana NAAS, Va.; Patuxent River, Md.

LORAN DATA: Loran is a long range electronic navigational aid utilizing pulse techniques. It provides accurate fixes for the user within one per cent of his distance from the stations. Loran service is provided continuously twenty-four hours a day. Loran operates on fixed frequencies of 1750,1850, and 1950 kcs. To use Loran it is required that a Loran receiver-indicator be employed and that suitable charts and tables be available to the navigator. The following is a list of Coast Guard and Canadian Loran rates presently in operation: Atlantic: 1L-0, 1L-2, 1L-3, 1L-4, 1L-7, 1H-1, 1H-2, 1L-1; West Coast U.S. 2H-4, 2H-5, 2H-2; Aleutian Area: 1L-0, 1L-2; Central and Western Pacific: 2L-0, 2L-1, 2L-2, 2L-3, 4H-2, 4H-3, 4H-4, 4H-5, 1L-6, 1L-7. Information regarding Loran coverage, rates, frequency, etc., throughout the world is contained in the Catalog of Loran Charts and Service Areas, Hydrographic Office Publication No. 1-L. This publication may be obtained from Hydrographic Office agents located in various cities in the United States or from the Hydrographic Office, Washington, D.C., at a cost of 30¢. Complete Loran tables are contained in Hydrographic Office Publication Series No. 221, which can be obtained from the same sources at a cost of $3.00 per volume. Loran charts may be similarly obtained. Hydrographic Office Circular No. 3 and the Hydrographic Bulletin (issued weekly) give a list of these agents mentioned above and may be obtained without charge from the Hydrographic Office or any Branch Hydrographic Office. Changes in Loran service are broadcast in Hydrolants and Hydropacs, and as local broadcasts, the stations, frequencies, and schedules being listed in the first Hydrographic Bulletin issued each month. Inquiries of an operational nature regarding Loran may be addressed to the Commandant (OAN), U.S. Coast Guard, 1300 E Street, N.W., Washington 25, D. C.

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

FOREIGN ENTRY PROCEDURES: The following procedures are necessary in order to gain entry, with intention to land, in Canada and Mexico:

CANADA: 1. All departures from the United States must be made from Airports of Entry. (See next item). 2. If landing is to be made at a designated Canadian Airport of Entry, notice should be telephoned or telegraphed to the collector of customs at the pre-determined point of entry when clearing U.S. Customs. 3. If entry is planned at a field other than a customs airport, arrangements should be made with the Secretary, Customs Division, Department of National Revenue, Ottawa, at least 10 days in advance. 4. Pilots and aircraft must be properly certificated and general observance of Canadian air regulations is required. 5. The following is a list of all Canadian Customs Airports of Entry: Whitehorse, Y.T.; Vancouver, B.C.; Calgary, Alta.; Lethbridge, Alta.; Moose Jaw, Sask.; Regina, Sask.; Winnipeg, Man.: Ottawa, Ont.; Toronto, Ont. (Isl. or Malton); Hamilton, Ont., Windsor, Ont.; Montreal, P.Q. (Dorval); Fredericton, N.B.; St. John, N.B.

MEXICO: Applications for permits may be filed with the nearest Mexican consul who charges a fee of $4.00, or directly with the Department of Civil Aeronautics, Mexico City, Mexico, without charge. The permit will be sent directly to the Airport of Entry, named in the application, unless the applicant specifically requests that it be sent to his home address. If entry is to be made from Brownsville, Texas, permission may be received from Representative of Mexican Ministry of Communication and Public Works, Department of Civil Aeronautics, Rio Grande Valley International Airport, Brownsville, Texas. All departures from the U.S. must be made from Airports of Entry. (See next item).

AIRPORTS OF ENTRY: Customs clearance into or out of the United States must be made at the following Airports of Entry. Advance notice of intended use of these fields must be given as there is insufficient traffic to justify resident customs personnel on most of these fields:

International Arpt, Douglas, Ariz.; Nogales International Arpt, Ariz.; Lindbergh Field, San Diego, Calif.; Meacham Field, Key West, Fla.; Miami International Arpt, Fla.; Midet Seaplane Base, West Palm Beach, Fla.; Caribou Arpt, Me.; Presque Isle Arpt, Me.; Detroit City Arpt, Mich.; Romulus AAF, Mich.; Sault Ste Marie Airport, Mich.; Williamson-Johnson Fld, Duluth, Minn.; Cut Bank Arpt, Mont.; Great Falls Arpt, Mont.; Havre

City-County Arpt, Mont.· Albany Arpt, N.Y.; Buffalo Arpt, N.Y.; Malone-Dufort Arpt,N.Y.; Massena Arpt, N.Y.; Niagara Falls Arpt, N.Y.; Ogdensburg Arpt, N.Y.; Rochester Arpt, N.Y.; Rouses Point Seaplane Base, N.Y.; Watertown Arpt, N.Y.; Grand Forks Arpt, N.D.; Pembina Arpt, N.D.; Cleveland Arpt, Ohio; Hinde Arpt, Sandusky, Ohio; Put-In-Bay,Ohio; Eagle Pass Arpt, Tex.; El Paso Arpt, Tex.; International Arpt, Brownsville, Tex.; Austin Arpt, Swanton, Vt.; Burlington Arpt, Vt.· Bellingham Arpt, Wash.; City-County Arpt, Port Townsend, Wash.; Felts Fld, Spokane, Wash.; King County Arpt-Boeing Fld,Seattle,Wash.

CUSTOMS REPORTS: In making flights TO or FROM a foreign country, civilian fliers are required to report to a customs officer. If they do not report, they are subject to a civil penalty of $500.00 for each violation, and any aircraft used in connection with any such violation is subject to seizure and forfeiture, as provided for in the customs laws. On flights from foreign territory, the first landing in the United States is required to be made at an Airport of Entry, unless permission to land elsewhere than at an airport of entry is granted by the Commissioner of Customs, Washington 25, D.C. Consult the nearest customs officer before making foreign flights.

U.S. CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: Although the CAA does not require special permission for the flight of U.S. aircraft abroad, or for the delivery of aircraft exported to foreign countries all aircraft must be registered and certificated as to airworthiness, and pilots must hold appropriate U.S. pilot certificates. The single exception to the above is: Special permission must be obtained from the Director, Aircraft and Components Service, CAA, Washington, D.C., for any flight into or through the Panama Canal Zone. In general, permission must be secured from foreign countries for the conduct of scheduled or non-scheduled operations from the U.S. Specific information may be secured from the Aviation Division, State Department. All air carriers must secure operating certificates from the CAA and their operations must be in conformance with these certificates. Although there are no Federal taxes on the exportation of aircraft from the U.S., it is mandatory that a license for such export be obtained from the State Department.

CANADIAN REGULATIONS FOR CFR FLIGHTS: (a) It is compulsory for pilots desiring to conduct a CFR flight to file a flight plan unless the flight will be made within a radius of 25 miles of the point of departure. (b) Arrival messages must be filed by pilot on all such CFR flights.

CANADIAN INSTRUMENT FLIGHT RULE FLIGHT: Pilots are cautioned to conform to the requirements of CAR 60.2 where flight is proposed to be conducted under Instrument Flight Rules from the United States into air traffic control areas designated in Canada. Failure to adhere to these regulations may result in detention of pilots concerned by Canadian Authorities.

PANAMA CANAL ZONE, FLIGHT INTO: Prior to take-off from any aerial port of embarkation of any aircraft flight into, or through, the 200 mile area blanketing the Canal Zone, Commanders of Military Aircraft will notify the CG 6th Fighter Wing, Attention: Fighter Controller, by an information copy of their flight plans. With a view to safety and protection of their equipment and personnel, operators of all other aircraft should follow the same procedure. Responsibility for this notification of flight plans lies with the operator, but notification will normally be transmitted by the clearance authority at the point of departure.

SAN JUAN, P.R. PRE FLIGHT CLEARANCES: The Isla Grande Airport at San Juan, Puerto Rico, is a part of the U.S. Naval Air Station, San Juan. Commercial air carriers may not operate at this field without receiving specific authorization from the Chief of Naval Operations, Washington, D.C. The Commanding Officer NAS, San Juan, may grant permission for one or two isolated landings. In any case proper authority must be obtained prior to landing at San Juan. Privately owned aircraft in a ferry status must obtain permission from the commanding officer before landing at Isla Grande Airport.

CARIBBEAN AREA-RADIOBEACONS FOR USE WITH ADF: The following Coast Guard Radiobeacons now operate continuously in their assigned sequence, i.e., one minute on, two minutes off, 24 hours daily:

II San Juan 296 .-.. Lat 18-24-14 N, Long. 66-07-03 W
I Goat Island (Jamaica) 304 ..-. Lat 17-53-00, Long. 77-04-14 W
I Trinidad 308 --.. Lat 10-41-23 N, Long. 61-44-44 W

It is requested that all ships and aircraft using these beacons submit comments to the Commander, 10th Coast Guard District, Arsenal, Marina, San Juan, P.R., as to usefulness with ADF equipment, bearing accuracy obtainable, maximum usable range, ease of identification, etc.

VILLA LANDING FIELD, ANTIGUA, B.W.I., CLOSING OF: The Villa Landing Field at Antigua, B.W.I. has been abandoned, and is no longer available for aircraft use.

PRE-FLIGHT SERVICE: Pilots desiring to file flight plans are requested to do so with any CAA Airway Communication Station by personally visiting the station or by telephone. Radio should be used for filing flight plans only as a last resort. Pilots are urged to visit communications stations to obtain authentic flight information and assistance in planning their flights. Personnel at these stations are trained to render flight planning assistance. An objective of CAA pre-flight service is to encourage pilots to familiarize themselves with flight conditions prior to commencing cross country flight.

TRAFFIC CLEARANCES: In order to prevent delay to aircraft operating in contact flight rule weather conditions and yet ensure adequate separation when and if instrument flight rule weather conditions are encountered, traffic clearances to pilots filing instrument flight rule (IFR) flight plans may amend such flight plans by requiring flight in accordance with contact flight rules (CFR) for all or a portion of the flight. A traffic clearance will specify the approved altitude followed by the abbreviation "CFR". Upon receipt of such clearance, the pilot will be responsible for avoiding other aircraft while operating in CFR weather conditions and for securing an amended clearance at the specified altitude before IFR weather conditions are encountered. The pilot must remain in CFR weather conditions until the amended clearance is received. For efficient operation, the use of this procedure can be determined only by Air Traffic Control. Pilots, therefore, should not file "altitude/CFR" in any flight plan; "altitude/CFR" is to be used only in a traffic clearance issued by Air Traffic Control.

AIRPORT APPROACH ZONES AND AIRPORT TRAFFIC ZONES CFR MINIMA: Part 60 specifies that CFR traffic within Airport Traffic Zones or Airport Approach Zones must maintain 500 foot vertical and 2000 foot horizontal separation from the clouds unless given traffic clearance by the control tower or control center concerned. Even under such clearance CFR flights must remain clear of clouds. These airport traffic zones and airport approach zones are indicated on the Flight Planning Charts of

the Airman's Guide, and all recently revised Coast and Geodetic Survey Aeronautical Charts. In the interest of safety CFR flights must maintain the 500 foot and 2000 foot minima specified above while in these circular charted zones. (See page VIII of this publication for air traffic control procedures and weather minima).

INTERSECTION NAME CORRECTION: The "Minden" intersection is actually the intersection of the E leg of Shreveport and the NE leg of Barksdale.

REDESIGNATION OF CIVIL AIRWAYS: Effective November 15, 1946, Part 600.1 of the Regulations of the Administrator will be amended to read in whole or in part as follows: Section 600.10004 Green Airway No. 5 (Los Angeles, Calif., to Washington, D.C.) ... Smithville, Tenn. range station; the intersection of the E leg of Smithville, Tenn., and the W leg of Knoxville, Tenn., excluding that portion which lies more than 2 miles N of the W leg of Knoxville, Tenn., between the intersection of the E leg of Smithville, Tenn., and the W leg of Knoxville, Tenn., and a point 13 miles W of Knoxville, Tenn., range station; Knoxville, Tenn, range station.....

Section 600.10200 Red Airway No. 1 (Portland, Ore., to Kansas City, Mo.).....The Dalles, Ore. range station; Pendleton, Ore., range station.....

Section 600.10210 Red Airway No. 11 (Tulsa, Okla., to Boston, Mass.) .....Albany, N.Y. range station to Boston, Mass. range station.

Section 600.10213 Red Airway No. 14 (Lone Rock, Wis., to Louisville, Ky.) ....Indianapolis, Ind. range station to Louisville, Ky. range station.

Section 600.10219 Red Airway No. 20 (Lansing, Mich., to Chincoteague Island, Va) .....Washington, D.C. range station to the intersection of the SE leg of Washington, D.C., and the NE leg of Norfolk, Va., excluding that portion which lies more than 3 miles N of the SE leg of Washington, D.C. between the intersection of the SE leg of Washington, D.C., and the S leg of Baltimore, Md., and the intersection of the SE leg of Washington, D.C., and the NE leg of Patuxent River, Md. (Navy).

Section 600.10228 Red Airway No. 29 (Rochester, N.Y., to Baltimore, Md.). .....Baltimore, Md. range station, to the intersection of the S leg of Baltimore, Md., and the SE leg of Washington, D.C., excluding that portion which lies more than 2 miles E of the S leg of Baltimore, Md. between the intersection of the S leg of Baltimore, Md., and the southern boundary of Red Airway No. 45 and the intersection of the S leg of Baltimore Md., and the SE leg of Washington, D.C.

Section 600.10232 Red Airway No. 33 (Baltimore, Md., to Boston. Mass.) From Baltimore, Md. range station via the intersection of the N leg of Baltimore, Md., and the SW leg of Allentown, Pa.; Allentown, Pa. range station.....

Section 600.10236 Red Airway No. 37 (Texarkana, Ark., to Washington, D.C.). .....From the intersection of the S leg of Quantico, Va. (Navy) and the SW leg of Washington, D.C., via Quantico, Va. (Navy) range station to the intersection of the N leg of Quantico, Va. (Navy) and the NW leg of Washington, D.C., excluding that portion which lies more than 2 miles W of the N leg of Quantico, Va. (Navy) between the range station and the intersection of the N leg of Quantico, Va. (Navy) and the NW leg of Washington, D.C.

Section 600.10322 Blue Airway No. 23 (Detroit, Mich., to Flint, Mich.). From Romulus, Mich. range station to Bishop Airport, Flint, Mich.

Section 600.10005 Green Airway No. 6 (Alice, Tex., to Norfolk, Va.). From Alice, Tex., range station via Corpus Christi, Tex. range station, excluding that portion which lies more than 2 miles S of the E leg of Alice, Tex. between Alice, Tex. range station and the Corpus Christi, Tex. range station; Palacios, Tex., range station; Houston, Tex. range station.....

Section 600.10107 Amber Airway No. 8 (Los Angeles, Calif., to The Dalles, Ore) From Los Angeles, Calif. range station, via Santa Barbara, Calif. range station; Hancock Arpt., Santa Maria, Calif.; at point at lat. 35-48-15 N and long. 120-39 W; Salinas, Calif. range station and San Jose, Calif. Airport to San Francisco, Calif. range station. From Red Bluff, Calif. range station via Whitmore, Calif. range station; the intersection of the NE leg of Whitmore, Calif. and the S leg of Klamath Falls, Ore.; Klamath Falls, Ore.; the intersection of the N leg of Klamath Falls, Ore. and the SW leg of Redmond, Ore. and Redmond, Ore. range station to The Dalles, Ore. range station.

Section 600.10329 Blue Airway No. 30 (San Antonio, Tex., to Big Spring, Tex.)... the intersection of the NW leg of San Antonio, Tex. (Kelly) and the SE leg of Big Spring, Tex., to Big Spring, Tex. range station.

Section 600.10331 Blue Airway No. 32 (Seattle, Wash., to Fairbanks, Alaska). From Seattle, Wash. range station via the intersection of the NW leg of Seattle, Wash., and the S leg of Patricia Bay, B.C.; the S leg of Patricia Bay, B.C. to the U.S.-Canadian Border. From Skwentna, Alaska range station to Summit, Alaska range station.

Section 600.10237 Red Airway No. 38 (Big Spring, Tex., to San Antonio, Tex.). From the intersection of the SE leg of Big Spring, Tex., and the SW leg of San Angelo, Tex., via the San Angelo range to the intersection of the SE leg of San Angelo and the NW leg of San Antonio, Tex. range (Kelly)

REDESIGNATION OF RADIO FIXES: Effective Nov. 15, 1946, Part 601.4 of the Regulations of the Administrator will be amended to read in whole or in part as follows:

Section 601.40211 Red Airway No. 11 (Tulsa, Okla., to Boston, Mass) ...Evansville, Ind. range: the intersection of the SE leg of Albany, N.Y. and the NE leg of Westfield, Mass.)

Section 601.40220 Red Airway No. 20 (Lansing, Mich., to Chincoteague Island, Va.). Akron, Ohio range station; Martinsburg, W.Va. range station; the intersection of the SE leg of Washington, D.C. and the NE leg of Patuxent River, Md. (Navy); the intersection of the SE leg of Washington, D.C. and the NE leg of Norfolk, Va.

Section 601.40233 Red Airway No. 33 (Baltimore, Md. to Boston, Mass.) No radio fix designation.

Section 601.4006 Green Airway No. 6 (Alice, Tex., to Norfolk, Va.). Alice, Tex., range station; Palacios, Tex. range station; the intersection of the SE leg of Richmond, Tex. and the SW leg of Houston, Tex.; Houston, Tex. range station; Beaumont, Tex. range station; Lake Charles, La. range station; New Orleans, La. range station; Mobile, Ala. range station; Maxwell Field, Ala. range station; Atlanta, Ga. range station; Spartanburg, S.C. range station; Greensboro, N.C. range station; Blackstone, Va. range station; Richmond, Va. range station.

Section 601.4018 Amber Airway No. 8 (Los Angeles, Calif., to The Dalles, Ore.). Whitmore, Calif. range station; Klamath Falls, Ore. range station; Redmond, Ore. range station; The Dalles, Ore. range station.

Section 601.40238 Red Airway No. 38 (Big Spring, Tex., to San Antonio, Tex.). San Angelo, Tex. range station.

Section 601.40330 Blue Airway No. 30 (San Antonio, Tex., to Big Spring, Tex.) The intersection of the W leg of San Antonio, Tex. (Alamo) range and the NW leg of San Antonio, Tex. (Kelly)

Section 601.40332 Blue Airway No. 32 (Seattle, Wash , to Fairbanks, Alaska). No radio fix designation

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AIRWAY TRAFFIC CONTROL AREAS: Effective November 15, 1946, Part 601.1 of the Regulations of the Administrator was amended to read as follows: Section 601.10211 Red Airway No. 11 airway traffic control areas (Tulsa, Okla., to Boston, Mass.) All of Red Airway No. 11.

Section 601.10220 Red Airway No. 20 airway traffic control areas (Lansing, Mich., to Chincoteague Island, Va.). All of Red Airway No. 20.

Section 601.10233 Red Airway No. 33 airway traffic control areas (Baltimore, Md., to Boston, Mass.). All of Red Airway No. 33.

Section 601.10323 Blue Airway No. 23 airway traffic control areas (Detroit, Mich., to Flint, Mich.). All of Blue Airway No. 23.

Section 601.1006 Green Airway No. 6 airway traffic control areas (Alice, Tex., to Norfolk, Va.). All of Green Airway No. 6.

Section 601.1018 Amber Airway No. 8 airway traffic control areas (Los Angeles, Calif., to The Dalles, Ore.). All of Amber Airway No. 8 from Los Angeles, Calif. range station to a line extended at right angles across such airway through a point 25 miles NW of Santa Barbara, Calif. range station and from Red Bluff, Calif. range station to The Dalles, Ore. range station.

Section 601.10238 Red Airway No. 38 airway traffic control areas (Big Spring, Tex. to San Antonio, Tex.). All of Red Airway No. 38.

Section 601.10330 Blue Airway No. 30 airway traffic control areas (San Antonio, Tex., to Big Spring, Tex.). All of Blue Airway No. 30.

Section 601.10332 Blue Airway No. 32 airway traffic control areas (Seattle, Wash. to Fairbanks, Alaska). From Seattle, Wash. range station to U.S.-Canadian Border and from Skwentna, Alaska range station to a line extended at right angles across such airway through a point 50 miles SW of Summit, Alaska range station.

ACTIVATING OF NEW YORK OCEANIC ATC CENTER: Effective 0001 GMT Nov. 15, 1946, New York Oceanic A.T.C. Center will activate A.T.C. in all navigable airspace within that portion of the Atlantic Ocean bounded on the N by lat 43-00; on the E by long. 45-00; on the S by lat 30-00, and on the W by the E Coast of the United States. To facilitate movement of traffic New York Oceanic control center has apportioned certain sectors of this area and delegated responsibility therefore to Boston, New York, Washington, Jacksonville, Domestic A.T.C. centers and the Bermuda approach control center. The sectors designated are: Boston, bounded on the N and W by lat.43-00 and the East Coast; on the E by a line 100 nautical miles equi-distant from the coast or long. 67-00, whichever is less, and on the S by lat. 41-30; New York bounded on the W by the East Coast; on the N by lat. 41-30; on the E by a line 100 nautical miles equi-distant from the Coast, and on the S by lat. 39-30. Washington bounded on the W by the East Coast; on the N by lat. 39-30; on the E by a line 100 nautical miles equi-distant from the Coast and on the S by lat. 34-30. Jacksonville bounded on the W by the East Coast; on the N by lat. 34-30; on the E by a line 100 nautical miles equi-distant from the Coast and on the S by lat 30-00. Bermuda 150 nautical mile radius of Kindley Field. Air traffic control will be effected in accordance with procedures promulgated by the Provisional International Civil Aviation Organization(PICAO) and New York Oceanic Air Traffic Control Center, operations letters in so far as known air traffic and available communications facilities permit. All aircraft to be operated within this area shall file a flight plan during instrument flight rule conditions or when proceeding beyond 100 nautical miles from the Coast Line. Aircraft shall establish and maintain a continuous listening watch on wireless telegraphy with the air/ground station at New York or Bermuda except when maintaining a continuous listening watch by radio telephone.

CHANGE OF NORTH ATLANTIC GUARDED FREQUENCIES: Effective 0001 GMT, November 12, 1946, in accordance with PICAO recommendations, WSY, until further notice, will not use Group B frequencies and will guard C Group frequencies for flights normally with B Routes.

NEW PRIVATE FLIER FREQUENCIES: Effective Jan. 1, 1946, all CAA Communications Stations will guard 122.1 mcs. and CAA operated towers will guard 122.5 mcs. in addition to those frequencies now guarded. These are the new frequencies assigned for use by private fliers for air/ground communications.

GUARDING OF 3117.5 KCS BY CAA AIRWAY COMMUNICATIONS STATIONS: Effective Oct. 1, 1946, all airway communications stations located at points also served by CAA airport traffic control towers discontinued continuous listening watches on 3117.5 kcs. Hereafter, communications stations at these locations will establish watches on 3117.5 kcs. upon "request" and during such hours as the associated tower is closed.

OPERATION OF SEAPLANES ON THE NEW YORK STATE CANAL SYSTEM: An official complaint has been received from the State of New York, Department of Public Works, that the New York State Canal Channel is being used for the taking off and landing of aircraft. This channel is very narrow and has numerous curves. The taking off and landing of aircraft on this channel, therefore, is dangerous and presents a hazard to canal traffic and small boats. All airmen are cautioned that such activities may constitute careless or reckless operation of aircraft.

OBSOLETE INSTRUMENT APPROACH AND LANDING CHARTS: The following charts should be destroyed: Mather Field, Calif., dated Sept. 4, 1946; McClellan Field, Calif., dated Sept. 4, 1946; Tuskegee AAF, Ala., dated Sept. 18, 1946.

AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: (a) Correct T.O. 08-15-1, dated Nov. 15, 1946, by deleting frequency of 126.18 mcs. for Mitchel Field, N.Y., by showing the minimum instrument clearance altitude of 2000 feet from Torbay to Gander, Nfld, and 3000' from Gander to Torbay; page 95, Index to Airways and Air Communications Service in U.S. by showing Sherman Field, Ft. Leavenworth, Kans., instead of Topeka AAF, Kans.

(b) Correct Flight Chart 186, dated Aug. 17, 1946, by showing the frequency for Baton Rouge, La. Range as 347 kcs. instead of 247 kcs.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc.) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

N.B. AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with 2-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields and before taxiing and taking off, should be on the alert for & be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest or Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons coupled with flashing red code lights, indicate suspension of CFR traffic.

AIR NAVIGATION AID DATA

All radio facilities exceptiowersare CAA facilities unless otherwise cited. All towers are listed by operating agency. All range bearings are magnetic in-bearings. All fan markers and station location markers operate on 75 mcs. All radio facilities operate continuously unless otherwise specified.

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

ALABAMA

ANNISTON AAF-Temp inactive-no facs. (See Special Notice re use).
BIRMINGHAM ARPT-Closed to civil. acft not equipped with operating rcvr. No landings on sodded areas. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. No svcg mil acft 2200 to 0600. No maintenance. (10-9)
BROOKLEY AAF (MOBILE)-RADIO: AACS, ground to air stn now in oper on 4765, 2562 kcs voice; 4595,8200 kcs CW. (11-5). FLD: Soft-use rnwys, taxi strips only. No 91 oct. (10-4)
CAMP SIBERT AAF (ATTALLA)-CLOSED TO ALL ACFT.
CENTRE ARPT-N/S strip not maintained-E/W rough. Pone line E end. (4-9)
CHASTAIN'S ARPT (PRICHARD)-2600' of E/W strip avail., mrkd. (11-2)
COLUMBIANA ARPT-NE/SW strip unsafe. High grass S 500' N/S strip. (4-9)
CRAIG FLD (SELMA)-Twr obst lgts inop. No maintenance or ROn facs. Bndry and N/S rnwy lgts inop. (9-9)
DANNELLY FLD (MONTGOMERY)-NE taxi strip closed (parked acft). (8-12)
GREENVILLE ARPT-SITE 24, NO-AG-E 400' E/W rnwy unsafe (high grass). (9-2)
GUNTER FLD (MONTGOMERY)-RADIO: Army twr temp suspended. (5-16). FLD: Temp inactive-no facs. (See Special Notice re use). Use rnwys only. Sod areas adj rnwys and taxi strips soft.
HARTSELLE ARPT-N 900' W side avail. emerg landings, bal fld unusable. (3-30)
HUNTSVILLE-Bombing and mortar firing is being conducted within the following described area: beginning at the Tennessee River Channel at lat 34-34-30, long. 86-44; due N to Southern RR; easterly along RR to long 86-42; due S to said river; SW along river to point of beginning.
MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi S looks like arpt and lgts give impression of parallel rnwys. (10-17)
MUSCLE SHOALS ARPT-Fuel avail. civil. acft only. (8-1)
NAPIER FLD (DOTHAN)-Avail. civil. acft in emerg only. (8-6)
OZARK AAF-Temp inactive-no facs. (See Special Notice re use).
PRYOR FLD (DECATUR)-Mun. opers and acft sto depot. No collect calls or telegrams accepted by sto depot. (6-22)
TUSKEGEE AAF-Temp inactive-no facs. (See Special Notice re use). N/S, E/W rnwys closed at N-S/E-W intersections-avail. for taxiing and emerg only. (7-15)
TUSKEGEE INSTITUTE FLD NO. 1 (TUSKEGEE)-Soft spots after heavy rains. (11-2)

ARIZONA

ASHFORK INT, SITE 36A, LA-AQ-Rough. (9-19)
COCHISE INT, SITE T-3, PR-NO-Rough. Tall grass in spots on fld. Ctn when landing and taxiing. (9-20)
COOLIDGE ARPT-Closed-emerg use only.
DATELAN AAF-Temp inactive-no facs. (See Special Notice re use).
DAVIS-MONTHAN FLD (TUCSON)-E fld closed; acft parked on rnwys. Blinding ceilometer W end fld half way between ends of NW/SE, E/W rnwys. (9-29)
DEEP LAKE INT, SITE 54A, LA-AQ-E end E/W, N end N/S strips rough with soft areas due wind erosion, soft sand, mrkd. Equip. on fld days. (10-16)
DOUGLAS AAF-Temp inactive-no facs. (See Special Notice re use).
CHEVERRIA FLD (WICKENBURG)-Use rnwys only (parked acft).
ERNEST A. LOVE ARPT (PRESCOTT)-Use wind tee SW of apron. (9-20)
FALCON FLD (MESA)-Closed to trans acft-no facs. (9-19)
FLY FLD (YUMA)-500' left traffic pattern all rnwys. Avoid local traffic daily. Parking rstd to W side of fld. (10-16)
FREDONIA ARPT-High weeds, cattle on strips. (9-3)
GILA BEND AAF-Tetrahedron inop. (8-26)
HOLBROOK MUN. ARPT (HOLBROOK)-CLOSED (rough). (6-13)
INTERNATIONAL ARPT (DOUGLAS)-Temp closed (const). (6-17)
KINGMAN ARPT-No inst flights cleared to Kingman. No obst lgts atop Hualpai Mt. (5500' MSL) 11 mi S. Rnwy lgts Rnwy 17-35 inop. (7-12)
LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. (9-19).
LUKE FLD (PHOENIX)-Traffic direction indicator on second hangar from N.(10-15
MARANA AAF-CLOSED. (9-9)
NOGALES INTERNATIONAL ARPT (NOGALES)-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld soft and rough due to heavy rains and erosion. (10-11)
PARADISE ARPT (GLENDALE)-Const. (6-3)
PHOENIX-Inst. train. on Phoenix Range between 5500' and 9500'.
RYAN FLD (TUCSON)-Use rnwys only, bal fld soft in wet weather, parked acft. Washes N edge. (8-8)
SAFFORD ARPT-Ben oper cont., fld lgts on prior req or by buzzing fld. (10-15) See page 85.
SKY HARBOR ARPT (PHOENIX)-Const in area E of N/S and S of E/W rnwys. (10-23)
THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft).
TUCSON ARPT-Trans acft desiring to use fld after 2100 will give 2 hrs advance notice in order that lgts may be turned on. Use tetrahedron. (10-21)
WILLIAMS FLD (CHANDLER)-Use rnwys only.
WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed. (10-31)

ARKANSAS

ADAMS FLD (LITTLE ROCK)-RADIO: Effect Nov 10, CAA twr guards 3105,4495,6210, 3117.5 kcs, 126.1,118.5,131.9 mcs. These data rcvd too late for inclusion in "ANRA". FLD: Use rnwys only-shoulders soft. Equip. on fld. Closed to trans mil acft 1800 to 0800. (11-6)
EL DORADO-RADIO: VHF range will be comm soon at lat 33-17-00, long. 92-46-00 Freq. 109.1 mcs. Ident. "LD" (. - . . - . .). Visual courses: 45°,225°, aural courses: 135°,315°, courses mag and towards stn. Mag. var. 7° E. Stn class: VARW. (8-14)
EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg only. (9-17)
GRIDER FLD (PINE BLUFF)-Use strips only (parked acft). Closed ngts. (6-7)
HELENA-Two unlgtd 405' twrs crossing Miss. River at S edge City. (11-7)
JONESBORO ARPT-Use rnwys only. (8-16)
LUXORA INT, SITE 39, NO-LS-30' unlgtd pole line being erected S end N/S rnwy. (9-27)
McGEHEE ARPT-Cattle on fld intmtly. (9-6)
McLAUGHLIN ARPT (HOT SPRINGS)-RADIO: Mobile Army twr transmits on 4420 kcs and receives on 4495 kcs only. (9-11). FLD: Use ctn when landing and taking off. Crash and fire fighting equip. avail. 0600 to 1600 Mon thru Fri only. (9-23)
PINE BLUFF-RADIO: Oct 26, VHF range flight-checked and comm on cont oper on an exper status only, because of no facs to control or monitor range. Lat 34-14-48, long. 91-55-36. Freq. 108.7 mcs. Ident. "PL". Visual courses: 13°,193°, aural courses: 103°,283°. Stn class: VARW. Mag. var. 7° E. This corrects "AIRGI" Vol. 1 No. 15.
THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only (parked acft).
WALNUT RIDGE ARPT-Acft parked all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0800. (4-4).

CALIFORNIA

ALAMEDA NAS-Maintain high approach on Rnwys 26L and 22. Heavy acft parked these areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility. Lgtd dredge and pipe extending to shore operating 1/2 mi S of lagoon in seadrome. Equip. adj to and on rnwys. Fld on positive control. (8-16)
AMERICAN LEGION ARPT (SALINAS)-Obsts on E/W strip. (3-16)
ANTIOCH ARPT-New fld. Lat 37-57-45, long. 121-48-00. (10-26). See page 49.

CALIFORNIA-Continued

★ARCATA-RADIO: Ident of H fac, oper by UAL changed to "MZ1" (Man Zed One).
★ARCATA ARPT-RADIO: ILS comm and in cont oper. See page 20. Ctc twr for clearance prior to using ILS, because of ext exper flying. (10-25). FLD: Closed to acft without 2-way radio unless prior approval rcvd from Stn Director. Incoming acft must file flight plan. Use surfaced areas only. (10-2)
BAKERSFIELD-RADIO: 116.1 mc tm nsmitter temp inop. (10-10)
••BAKERSFIELD-KERN CO. ARPT NO. 2-ABANDONED. (11-2). See pages 49,52,81.
BELMONT ARPT-Avail. at pilots risk (equip). NW end Rnwy 25 closed. (4-23)
••BIDWELL FLD (RED BLUFF)-153' twr rdo stn KBLF, erected 3 mi NNE (25°) true at lat 40-12-06, long. 122-13-56, obst lgtd. (10-25)
••BORREGO HOTEL OLF (SAN DIEGO)-Will hereafter be carried under Salton Sea. (11-5). See page 84.
BRAWLEY ARPT-Holes in extreme NW corner fld. (3-20)
BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs).
BURBANK-RADIO: Intermittent interference from Navy transmissions on adjacent channel of 245 kcs. (5-23)
BURBANK-LOCKHEED AIR TERMINAL-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN. Right traffic use Rnwys 7, 15; left traffic use Rnwys 25, 33. Approach lgts Rnwy 7 changed to red. Lgts on approach to Rnwy 7 partially obstructed by trees. 2-way radio required all acft. (8-2)
CAL AERO ARPT (ONTARIO)-Use rnwys only (parked acft).
CANNON FLD (FRESNO)-Landings from SE and take-offs to SE prohibited. (11-6)
CASTLE FLD (MERCED)-CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.
••CASTLE OLF (SAN DIEGO)-Will hereafter be carried under San Clemente Island. (11-5). See page 81.
CATES, BCN SITE 235 MI. ELINKER, SF-SA-Bcn inop. (2-17)
••CLARK'S DRY LAKE OLF (SAN DIEGO)-Will hereafter be carried under Salton Sea. (11-5). See pages 81 and 84.
CLEAR LAKE SEAPLANE BASE-Avail. in emerg only. (6-11)
COMPTON CENTRAL ARPT (COMPTON)-Petroleum tank from NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (10-26)
CONCORD ARPT-CLOSED EXCEPT IN EMERG. (10-30)
CORCORAN-135' unlgtd twr being const adj SantaFe Railroad, downtown Corcoran. Upon completion will be 148' high and lgtd. (2-24)
COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (6-11)
••COYOTE WELLS OLF (NORTH)(SAN DIEGO)-Will hereafter be carried under El Centro (11-5). See page 84.
••COYOTE WELLS OLF (SOUTH)(SAN DIEGO)-Will hereafter be carried under El Centre (11-5). See page 84.
CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs).
DEL MAR ARPT-Right traffic at 600' with prevailing westerly winds. (10-10)
DESERT CENTER LNT, SITE 17, LA-BK-E/W strip emerg use only. (9-19)
EL CENTRO NAS-Lgts E/W rnwy inop. Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. (6-24)
EL RANCHO ARPT (CARPENTERIA)-Unsuitable for heavy acft. (8-15)
EL TORO MCAS-Fld carrier landing practice Rnwy 25L. Trans acft use Rnwy 25R when practice in progress. Rnwy tests. Fld on positive control. (5-7)
••ESCONDIDO ARPT-Name changed to Engel Arpt. (9-10). See page 81.
FAIRFIELD-SUISUN AAF (FAIRFIELD)-RADIO: Army range unreliable, use for homing only. (9-30) FLD: First 1000' Rnwy 25, new Rnwy 21 closed. (8-22)
GARY FLD (BLYTHE)-Use rnwys only (parked acft).
GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. (6-1)

CALIFORNIA-Continued

HAMILTON FLD (SAN RAFAEL)-Exten to Rnwy 12 closed except in emerg. (10-15)
HANMER FLD (FRESNO)-Temp inactive-no facs. (See Special Notice re use).
HARMON FLD (SAN JACINTO)-Traffic pattern 2200' indicated or 600' above ground. Left pattern when taking off to NE-right pattern to SW. (10-28)
HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Arpt.
••HI HI SKY RANCH ARPT (OCEANSIDE)-New fld. Lat 33-12-00, long. 117-20-45. (9-10 See page 81.
HORERO ARPT (LOWER LAKE)-Take off to SSE-land to NW. (7-11)
••HOLTVILLE ARPT-No Navy opers. (11-7). See page 84. Closed-emerg use only.
HUMBOLDT CO. ARPT (EUREKA)-Closed to trans acft-const. Obst lgt atop N 350' radio twr approx 11 mi SSW inop. Twrs being dismantled. (10-29)
••HUNTINGTON BEACH ARPT-New fld. Lat 33-39-00, long. 117-58-30. (9-10). See page 137.
INYOKERN NAF-Use in emerg only (caretaker status-no facs).
★KERN CO. ARPT (BAKERSFIELD)-RADIO: ILS will oper during inst flgt rule weather conditions only, but will be avail. for use for train. flgts upon specific prior req. (11-2). FLD: Unlgtd 92' pwr line 1/2 mi N of bndry. (11-1)
••LAKESIDE ARPT-ABANDONED. (9-10). See page 81.
LINDBERGH FLD (SAN DIEGO)-Army temp inactive-civil. facs. Acft departing for or arriving from Mexico land at Lindbergh Fld for customs clearance. Closed to acft without 2-way radio unless prior approval rcvd from Arpt Manager. 30' crane SW end Rnwy 31. (8-21)
LIVERMORE NAS-Avail. emerg use only. (10-1)
LIVERMORE OLF-Obsts in SW corner fld. (2-4)
LOCKHEED AIR TERMINAL-See Burbank.
LONG BEACH ARPT-RADIO: AACS, ground to air stn will be discont soon. (9-15). FLD: Obst lgts atop 165' twr Radio Stn KVOE 15 mi ESE (107°) true inop. No 91 oct mil acft. Ltd svcg. No maintenance. (9-30)
LOS ALAMITOS NAAS-Closed 1730 to 0800 except in emerg. Rnwy 22L closed. (9-1)
LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl area from 2000 to 2300 daily. (7-26)
LOS ANGELES-RADIO: VHF range will be comm Nov 15, at lat 33-56-35, long. 118-25-49. Freq. 109.1 mcs. Ident. "LA" (. - .. . -). Visual courses: 75°,255°, aural courses: 165°,345°. Bear. and dist. stn to Los Angeles Arpt: 91°, 2 mi. Mag var 16° E. Stn class will be VARW. (9-10). This corrects previous issued of "AIROI".
LOS ANGELES ARPT-MINES FLD (LOS ANGELES)-Unlgtd oil derricks on approach to Rnwy 34. Rot. bcn unlgtd days. E/W paved strips S side fld avail. taxiing only. N side fld under const. Equip. on fld, N edge Rnwy 7L-25R, N side fld adj Rnwy 4-22, and W side N/S rnwy. All landings, take-offs and taxiing rstd to paved areas. Rnwys 11-29, 4-22 closed. Army temp inactive-civil facs. Trans mil acft use Van Nuys Metropolitan Arpt. Rnwy, taxiing lgts Rnwy 4-22 inop. Army twr moved to N side fld-obst lgts inop. (11-2)
LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs advance notice should be given if possible.(7-1)
MACHADO ARPT (SANTA MARIA)-Use E/W rnwy only-soft sand. (8-15)
MARCH FLD (RIVERSIDE)-Rnwy 7-25 closed-avail. only on permission from twr. (10-25)
★MATHER FLD (SACRAMENTO)-RADIO: Army ILS temp inop. (10-22) Army ranks decomm Nov. 5. FLD: Use rnwys only-mat unserviceable. (10-15)
McCLELLAN FLD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders, unsurfaced areas unsafe. (10-17)
MERCED MUN. ARPT-Rnwy 30 avail., bal rnwys, taxi strips closed. Equip. on

Rnwy 30-will be removed for scheduled traffic. (10-16)
MILE SQUARE FARM OLF (WESTMINSTER)-Closed to all civil. acft except in emerg or on approval of the CO. (11-5)
MINTER FLD (BAKERSFIELD)-Temp inactive-no facs. (See Special Notice re use).
MIRAMAR MCAS (SAN DIEGO)-Rnwy 10-28 under const. Rnwy 6-24 avail. Fld on positive control. All acft in San Diego area use ctn while approaching Miramar MCAS. (3-19)
MOFFETT NAS-LTA (MOUNTAIN VIEW)-Equip. trenches adj NW/SE rnwy. Ctn landing taking-off, taxiing. Equip. on fld. Fld on positive control. Multi-engine acft above JRB class use Rnwy 14L-32R only, except in emerg. (7-23)
MOJAVE NAS-Equip. on Rnwy 25. Fld on positive control. (8-15)
MORENO, SITE 6 MI BLINKER, SO-LA-On or about Nov 15, acetylene blinker ltd 2-1/2 mi ENE Pacific Beach, Calif, will be permanently discont. (10-30)
MUROC AAF-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN. Ltd within a danger area. 50' equip. near W end Rnwy 6-24. No 91 oct. No facs 1900 to 0700 or Suns. (10-22)
NAPA SKY RANCH ARPT (NAPA)-Under const. (7-10)
NEEDLES-RADIO: 116.1 mc transmitter and receiver temp inop. (9-1)
NEWHALL-RADIO: Range and voice facs shut down for conversion to class CONSOL-VDT fac.
OAKLAND-RADIO: 116.1 mc transmitter and receiver temp inop. (9-13)
**OAKLAND ARPT-No army opers. (11-5). Two way radio req. (10-30). See page 49. Naval acft avoid fld except on off. bus. Rock surface area between E and W taxiway and Rnwy 27R avail. lgt acft. Take-off from center of area, adhere to instructions issued by twr. Taxiway leading from Rnwy 33 to ramp at navy Terminal closed. Equip. on grass area W of Rnwy 24 ngts. Area under const, mrkd. No gas or maintenance facs avail. 1800 to 0800 except in emerg. Ltd gas, maintenance facs 0800 to 1800. Rnwy 6-24 closed. Army facs being discont-nov avail. 1700 to 0800 only. (11-5)
O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only. Strip muddy when wet. (11-5)
**OCOTILLO OLF (SAN DIEGO)-Will hereafter be carried under Salton Sea. (11-5). See page 54.
ORLEANS FOREST FLD (ORLEANS)-Fence across s end of fld. (5-14)

**PALM SPRINGS ARPT-No lgts. (10-25). See page 54.
PLACERVILLE ARPT-Avail. emerg only. Strip rutted-not maintained. (9-21)
RAMONA ARPT-Ramp in center of strip. Acft at one end of strip cannot see acft at other end. (7-24)
★RED BLUFF-RADIO: Nov 10, INSAC resumed cont listening watch on 3117.5 kcs. These data revd too late for inclusion in "AMRA".
RYAN FLD (HEMET)-N side matted area rough. (5-2)
**RYAN FLD NO. 1 (HEMET)-ABANDONED. (10-25). See page 51.
SACRAMENTO-RADIO: 116.1 mc transmitter and receiver temp inop.
SACRAMENTO ARPT-Acrobatics, low flying days from flight strip 1000' W of Sacramento Arpt. NW/SE rnwy avail. days. Use rnwys, taxi strips only-shoulders acft. Unsafe small acft-rough. (9-16)
**SAN BERNARDINO ARPT-Lgts on req. (10-25). See page 51.
SAN BERNARDINO CO. ARPT (DAGGETT)-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. (11-12)
SAN DIEGO NAS-Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing thru Point Love (White Pyramid Buoy) unless directed by twr. Point Love (White Pyramid Buoy) is ltd on traffic pattern 1-1/2 mi S of Hotel Del Coronado. Acft crossing air traffic lanes at North Island must be above 1500'. Acft will not fly over Coronado or Amphibious Train. Base at an alt less than 1500'. Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (9-26)

SAN FRANCISCO ARPT-Two lines unmrkd white spar buoys 8' above water moored in NW/SE direction along edges of shipping channel adj to easterly side of Seaplane Area and extend SE therefrom. Anchored vessels in shipping channel between lines of buoys. Vessels unmrkd and will be lgtd only as required. Avoid rnwy, taxiway shoulders. Turf area closed, unmrkd hasards. Use rnwys, taxiways. Rnwy 14-32 closed. (9-30).
**SAN MARCOS VALLEY ARPT (SAN MARCOS)-new fld. Lat 33-08-15, long. 117-10-45. (9-10). See page 51.
SAN MATEO ARPT-Const. Avail. lgt acft only. (11-1)
SAN NICOLAS ISLAND NAAS-Use in emerg only (caretaker status-no facs)
SANTA BARBARA-RADIO: About Dec 15, VHF range will be comm at lat 34-25-40, long. 119-52-26. Freq. 108.3 mcs. Ident. "OT". Visual courses: 96°, 276°, aural courses: 6°, 186°. (11-5)
★SANTA BARBARA ARPT-RADIO: Nov 1, the airway communication stn and Arpt twr were integrated into a single facs. Control of arpt traffic within the arpt control zone will be from off. sunrise to sunset when visibility is 3 mi or more. During hrs of darkness and when visibility is less than 3 mi, advisory service will be furnished acft equipped with 2-way radio by Santa Barbara Radio. Inst air traffic control will be furnished by Los Angeles Airway traffic control. FLD: Rnwy, rnwy approach lgts, obst lgts on hangars bldgs N end fld, on trees and along bndry S end fld and atop twrs of fld inop. Equip. on rnwys. Closed ngts. (11-9)
SANTA MARIA AAF-Stay clear rnwy, taxiway sides. E/W rnwy closed. Temp inactive-no facs. (See Special Notice re use).
SANTA MONICA ARPT-CLOVER FLD (SANTA MONICA)-Avail. trans acft with 2-way radio. Closed ngts and to all student pilots. (8-10)
SANTA ROSA NAAS-Equip. along rnwys. E/W rnwy closed. (6-11)
SHERMAN FLD (WALNUT CREEK)-Surplus Acft Sales Center-parked acft.
SILVER LAKE INT, SITE 18, LA-SL-E quarter fld rough. (10-9)
STOCKTON-RADIO: CAA range will be comm about Nov 22 at lat 37-52-10, long. 121-11-09. Class: MRLW. Freq. 212 kcs. Courses: 65°, 119°, 245°, 299°. Bear. and dist, stn to Stockton Fld: 285°, 3.1 mi. Var. 17° E. (11-5)
STOCKTON FLD-Rnwy 4-22 closed. At ngt or under IFR large depot 6-1/2 mi S looks like arpt, lgts resemble parallel rnwys. Army temp inactive-civil. facs. Equip. on fld. (10-15)
SUMMER HOME ARPT (MANTECA)-Irrigation culvert being installed across middle of strip. (7-22)
SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer MAAS Brown Fld. No communications at landing strip. (5-13)
**SYMONS FLD (BISHOP)-ABANDONED. (9-24). See page 52.
TERMINAL ISLAND NAAS (SAN PEDRO)-Trans acft not cleared after sunset. (9-4)
TRONA-RADIO: Receiving watches, voice fac and teletype service operating from 0600 to 2400.
TRONA ARPT, SITE 13, NV-ND-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (11-7)
TULARE LAKE SEAPLANE BASE-CLOSED (water level 2'). (7-17)
★VAN NUYS METROPOLITAN ARPT-RADIO: Priv twr comm Nov 6. See page 137. FLD: Temp inactive-no facs. (See Special Notice re use).
VENTURA CO. ARPT (OXNARD)-Bcn, bndry, obst lgts inop. Flare pots avail. ngts, in emerg or by prior arrangement. (5-7)
VERNALIS FLD-CLOSED (equip, obsts on rnwys, aprons). (8-15)
VICTORVILLE AAF-Use Rnwys 16L-34R, 7R-25L only. (7-3)
VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (9-16)

CANADA

**CLEAR CREEK-RADIO: Range now gds. 3105,3117.5,4495,6210 kcs. Weather Bdcast 13 & 43: London, Clear Creek, Romulus, Buffalo. Stn. Class: BRAZ-T. (11-1)

☆TORONTO-RADIO: NW course realigned to 133°. (11-7) Stn. Class: SBRAZ-TX. (11-1)

★WINDSOR-RADIO: Stn. Class BRAZ-T. (11-1)

COLORADO

ALAMOSA ARPT-CLOSED (rnwys under const, fld lgts and ben inop). (9-30)

★ANTON-RADIO: VHF range flight checked and comm Oct 30. at lat 39-37-00, long. 103-12-48. See page 28.

AURORA-RADIO: LFM fld pattern will be temp weak and distorted. (10-28).

BUCKLEY FLD (DENVER)-Temp inactive-no facs. (See Special Notice re use).

DENVER-RADIO: About Nov 15, VHF visual-aural courses will be realigned to: 172°, 82°, and 262°. NW course of low freq range will be realigned to approx 59°. VHF range inop for approx 4 days from Nov 10. Low freq range subject to intermittent interruptions throughout working period.

FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy. (9-29).

GRANBY ARPT-Ctn from Nov. until April-snow. (10-17).

LA JUNTA AAF-Temp inactive-no facs. (See Special Notice re use).

LOWRY FIELD (DENVER)-RADIO: AACS, ground to air stn temp suspended. (8-19). FLD: Ltd parking and quarters. (9-28).

**NUCLA ARPT-New fld. Lat 38-14-15, long. 108-33-30.(9-19).See page 56.

PINE VALLEY ARPT (COLORADO SPRINGS)-E rnwy of parallel N/S rnwys closed - being widened to 300'. E/W rnwy avail. between markers only. Heavy const equip. on fld days. Use rnwys only. (11-2).

PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 38-17-28; S by lat 38-16-19; W by long. 104-18-38; E by long 104-17-40.

PUEBLO ARPT-Rot. bcn atop hangar when lgtd indicates fld closed except to scheduled air-carrier acft. (9-13).

PUEBLO AAB-Temp inactive-no facs. (See Special Notice re use).

RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (9-11)

ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (telephone lines).(6-11)

RUSTON FLD (DENVER)-Const. Strips soft during wet weather. (9-20).

RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.

SKY RANCH AIRPORT (DENVER)-RADIO: Municipal twr. temp. inop. (4-1). FLD: Right traffic Rnwys 26,30,36; left traffic Rnwys 8, 12,18. Traffic controlled by manually operated tetrahedron. Avail CFR oper days only.(3-27)

TRINIDAD ARPT-Avail. lgt acft only. Hangar being const N end fld adj center of fence line. Equip. on fld. (10-31).

WALKER FLD (GRAND JUNCTION)-RADIO: CAA ILS lclzr ident temp inop.(9-14).

CONNECTICUT

BRAINARD FLD (HARTFORD)-Equip. on fld intmtly. Turf closed to heavy acft-soft. 300' bldg under const 1-1/2 mi NW of fld bndry, close to NW leg Hartford Range. Flood lgts N end N/S rnwy inop. (10-31).

BRIDGEPORT ARPT-Use rnwys only. (8-2).

BROOKFIELD ARPT-Open only to planes grossing less than 2000 lbs and closed to trans student pilots. Const N end fld and on taxiway between fld and shop under way. (10-31).

GROTON ARPT-Rnwys being repaired. Equip. on fld. (10-1).

**HAMMONASSET FLYING FLD (MADISON)-Lat 41-16-30, long. 72-33-15.(9-16); See page 44. Rough-not maintained. E/W strip avail. in emerg. Hangars under const. (9-16).

CONNECTICUT-Continued.

HARTFORD-RADIO: Auto. range monitor. sys inop. (9-30).

NEW HAVEN ARPT-Avail days only. Use rnwys only. (12-4).

DELAWARE

BELLANCA FLD (NEW CASTLE)-Use rnwy only. Sod strips under const. (6-13)

DOVER AAF-Temp inactive-no facs. (See Special Notice re use).

NEW CASTLE CO. ARPT (WILMINGTON)-RADIO: TWA twr, receiving watches and associated facs shut down with exception of range which will operate without voice for duration of strike. (10-24). FLD: Sod fld within bndrys of rnwys avail. lgt acft. (9-18).

DISTRICT OF COLUMBIA

SPECIAL NOTICE-The Administrator of Civil Aeronautics has designated the Mt. Vernon National Monument a congested area. In accordance with C.A.R. 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat38-42-40, long. 77-05-30.

SPECIAL NOTICE-TELEVISION TWR 730' ASL ERECTED 6.2 mi NW (302°) OF WASHINGTON NATIONAL AIRPORT, LAT 38-53-46, LONG. 77-08-05. (3-22).

ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of two hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd. (7-12).

BOLLING FLD (WASHINGTON)-Rnwys 10-28, 14-32 closed. Rnwy 17-35 closed to acft when weather conditions below ctc flight minimums. (10-15).

WASHINGTON NATIONAL ARPT (WASHINGTON)-RADIO: CAA ILS operating for test purposes only. (10-28). FLD: NAVY: Closed to Navy acft except MATS. Use Anacostia NAS. In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. ARMY: No Army acft will be cleared this fld without personal approval of CG AAF or Deputy Commander excepting those ATC acft on scheduled opers which require Washington National as Terminal; acft transporting VIP personnel (for purpose this directive, mil personnel regardless of rank not considered VIP) and those acft based at Washington National. Army acft landing this fld should taxi to new ATC Terminal Bldg N of Admin Bldg. GENERAL: Closed to acft without radio. Stay on paved areas-edges soft. Excavation, equip. along taxiways 1,2,3,4,5,6; ends of RNwys 18,21,33,27,36,3. Use extreme ctn when swinging planes in these areas. Equip. SE portion fld and along apron edge. Flood lgts on Washington Monument 3 mi N inop. Const. equip. at intersection of taxi strips 1 and 8. Ctn taxiing or parking on apron. (11-6)

FLORIDA

ALBERT WHITTED ARPT (ST. PETERSBURG)-Fld unlgtd-smudge pots avail on 1 hrs notice. Avoid sodded areas, white sand area E of N/S rnwy extending to water (soft). (1-2).

APALACHICOLA AAF-Temp inactive-no facs. (See Special Notice re use).

AVON PARK AAF-Temp inactive-no facs. (See Special Notice re use).

BANANA RIVER NAS-RADIO: Navy exper. VHF rnwy localizers and various types of ILS operate intermittently day, night. (5-2). FLD: Lgts on req. (10-31) See page 133. Closed to civil. acft days except on prior permission from CO and in emerg. Closed ngts to civil. acft except in emerg. S end Rnwy 2-20 under const. Acft of various types operating cont during IFR up to and including 2000' with weather minimums as low as 200' ceiling and 1/8 mi visibility. Air space will include area 20 mi radius from Banana River NAS. Acft will practice inst approaches. (10-31).

BANANA RIVER NAS SEAPLANE BASE-Seaplane landing area avail. W of stn on Banana River. Wind line consisting of seven green lgts on location in center of area ngts when training is scheduled. (7-11).

BOCA RATON AAF-Port.floods avail. on 15 minutes notice. No 91 oct. Stay on rnwys-shoulders soft. (10-16).

BRONSON FLD NAAS (PENSACOLA)-Closed to all trans acft. (8-14)
CECIL NAAS (JACKSONVILLE)-Use in emerg only (caretaker status-no facs).
DALE MABRY FIELD (TALLAHASSEE)-RADIO:281 kcs, 126.18,118.3 mc transmitters and 3105,3117.5,4495,6210 kcs, 118.3,126.18 mc receivers at CAA twr temp inop. Twr now operating on E side of fld with lgt signals only. (7-10).
** FLD: 160' twr of station WRHP, erected 6 mi E (81°) true at lat 30-27, long 84-14, painted and obst lgtd. (10-15). S 500' N/S rnwy unusable. 26' bldg erected 900' NW of NW end NW/SE rnwy, lgtd. Observe twr E side fld for lgt signals. Ben atop water tank S of fld inop. (11-2).
DINNER KEY CGAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10).
DREW FLD (TAMPA)-Use rnwys only. Equip. on fld days. Avail. to radio rcvr-equipped acft tuned to twr freq. (6-28).
EGLIN FLD (VALPARISO)-RADIO: Army ILS sys temp inop. (10-29). FLD: Acft approaching fld will enter area along right edge of S leg Crestview Range. (1)-Acft on CFR will fly 3000' or 500' below the ceiling whichever is lower, until cleared by Eglin Twr. (2)-Acft on IFR will enter at last assigned airways cruising alt and cte Eglin Twr for let-down instructions. Exten const. (10-29).
ELLYSON NAAS-EAST & WEST FLDS (PENSACOLA)-CLOSED TO TRANS ACFT EXCEPT IN EMERG.
FORMAN OLF (FT. LAUDERDALE)-Use in emerg only (caretaker status-no facs).
FORT LAUDERDALE-Obst lgts atop N twr: Radio Stn WGBS 8 mi W, inop. (9-23).
FORT LAUDERDALE NAS-Closed to all acft except with prior notification via dispatch and in emerg. Wind socks unreliable. Tetrahedron free swinging. (10-23).
GILBERT FLD (WINTER HAVEN)-Use rnwys only. (11-4).
HIDDEN ACRES ARPT (CLARCONA)-E/W strip avail. lgt acft. (9-18).
HILLSBOROUGH ARPT (TAMPA)-CLOSED. Sinkhole center of E/W rnwy 100' E of intersection center of fld. (5-26)
HOBQUIST ARPT (ORLANDO)-S half E/W rnwy avail., mrkd. (3-20).
JACKSONVILLE ARPT NO. 1-Equip. both ends NE/SW rnwy. 30' unlgtd poles for neon approach lgt sys being erected at SW approach end NW/SE rnwy.(11-4).
JACKSONVILLE NAS-Closed to ngt seaplane opers. Trans acft desiring ngt landing facs notify Jacksonville NAS 12 hrs in advance. Equip. on fld days.
KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (6-19).
LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500'. Prevailing wind east to Southeast. (10-26).
LEE OLF (GREEN COVE SPRINGS)-Closed except in emerg and off. flights. Avail. on 24 hrs advance notice to CO, NAS Jacksonville. (1-26).
LEESBURG AAF-CLOSED TO ALL TRANS MIL ACFT EXCEPT UNDER WRITTEN ORDERS OF AN AIR FORCE, COMMAND OR HIGHER AUTHORITY OR IN EMERG. No facs.
MacDILL FLD (TAMPA)-RADIO: Glide path of Army ILS (SCS-51) temp inop. (6-19 Army H fac temp inop. (8-5) FLD: Rnwys 4-22, 13-31, 18-36 avail. Rnwy 18-36 closed ngts. (10-29).
MARIANNA ARPT-Equip. on fld days. Mrkd hole Rnwy 8-26. RNwy 4-22 closed.
MASTER OLF (MIAMI)-Closed from thirty min after sunset until 0700. (9-5).
MAYPORT CGAS-Closed to all traffic except Air Sea Rescue and emerg landings (caretaker status-no facs). Rnwys 32 and 36 to intersection closed. (9-27
MEACHAM ARPT (KEY WEST)-Two unlgtd 40' water tanks 400' E of S end Rnwy4-22.
MELBOURNE-RADIO: Courses aligned by ground check only. (11-12).
MIAMI INTERNATIONAL ARPT-AAF (MIAMI)-Domestic trans acft taxi to Army Terminal Bldg SE side fld upon arvl and before dptr and register with Ramp Supervisor. Scheduled Air-carrier and International acft requiring immigration and customs service use 36th St. Terminal Bldg. Non-scheduled trans acft requiring customs service advise twr before landing. Use rnwys

only. Closed to trans Naval acft-use NAS in vcnty. NE/SW rnwy closed. Equip. on fld. Majority of taxiways closed-under const. Unlgtd 28' hangar under const approx 500' S of centerline and 600' E of E end of N E/W rnwy. Obst lgts atop Seaboard R.R. Shops S bndry N fld inop. Svcg in emerg only and no maintenance trans Army acft 2400 to 0800. 35' derrick approx 200' S of N ramp directly in front of EAL Opers, lgtd.(11-7
MIAMI NAS-Acft remain on N leg Miami Range for distance of 25 mi N of range stn when passing Miami NAS. Stay clear of NW corner fld-fighter train. break up area. Acft practicing touch and go landings ngts. (9-5).
MORRISON FLD (WEST PALM BEACH)-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. OR IN EMERG. N/S rnwy closed. Air Rescue Service acft will be cleared into this fld. (10-9).
NORTH PERRY OLF (HOLLYWOOD)-CLOSED-no facs. (10-28).
NORTH POMPANO OLF (POMPANO)-CLOSED (no facs). (1-24).
ORLANDO AAB-ORLANDO ARPT-Closed to acft exceeding 50,000 lbs except for use alternate destination by scheduled air-carriers. North E/W, West N/S rnwys closed. No 91 oct. No Army maintenance Sats and Suns and from 1700 to 0800 daily. (10-9). Radio controlled target ship in Pinecastle area 6 mi S of Orlando 0800 to 1200 daily Mon thru Fri. (7-1).
PAGE FLD (FT. MYERS)-NE/SW, NW/SE rnwy lgts, tetrahedron inop. Use E/W rnwy only at ngt. (9-14).
PENSACOLA ARPT-Ext Navy train. throughout area. Join pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest avail. taxi strip. Opers and svcg lctd brick hangar.(9-23).
PENSACOLA,NAS-CHEVALIER FLD (PENSACOLA)-Avail. days only. Ngts use NAS Corry fld. Permission may be obtained to land at Saufley or North Whiting Flds. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld, bear. 341° NNW. Disposition Delivery acft land at NAAS Ellyson Fld. Pilots desiring to land at Chevalier Fld contact Pensacola Navy Twr before entering traffic pattern. (8-22).
PETER O. KNIGHT ARPT (TAMPA)-Equip. on fld days. Sodded areas unsafe heavy o acft. RNwy lgts avail. on 1 hrs notice between 1900 and sunrise. (10-1).
PINECASTLE AAF-Temp inactive-no facs. (See Special Notice re use). Radio controlled target ship in Pinecastle area 6 mi S of Orlando 0800 to 1200 daily Mon thru Fri. (10-18).
RICHMOND NAS-LTA-Use in emerg only (caretaker status-no facs).
RIDDLE FLD (CLEWISTON)-Heavy acft avoid lgt bar and rod steel mat. Twr oper only during scheduled flying. Unsafe areas partially mrkd days, unmrkd ngts. Cloud flying when clouds broken to overcast during daylgt hrs in area bounded by lat 26-27, lat 26-43, long. 80-50, long. 81-27. Use rnwys only. Grass areas flooded most of summer. (7-27).
RUSSELL-RADIO: Navy range temp inop. (10-24).
STENGEL FLD (GAINESVILLE)-Equip. on fld, mrkd. (5-24).
** SWITZERLAND ARPT-This fld. retained by Navy and will hereafter be carried as Switzerland OLF. (11-1) See page 133.
TAYLOR FLD (OCALA)-Use rnwys only. (5-8).
TITUSVILLE-COCOA ARPT (TITUSVILLE)-Hangar under const. (9-10).
VERO BEACH-Blasting of ground structure will be in progress thru Nov. 15 on North Island in an area lying between the Atlantic Ocean and Indian River extending 7 mi S from a line due E of Vero Beach. Dangerous to low flying planes. (8-3)
WHITING FLD NAAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" sloping curb at rnwy edges. Tetrahedron indicates rnwy in use and not wind direction. NE/SW rnwy lgts inop. (3-2).

GEORGIA

ALBANY ARPT-Use rnwys only. (11-8).
ATHENS ARPT-Bndry, bnc lgts inop. (8-10)
ATLANTA-RADIO: Compass locator inop. (10-13).
ATLANTA AIRPORT-RADIO: Middle marker of CAA ILS lctd 3600' SE of SE end NW/SE rnwy, keyed with alternate dots and dashes will be comm soon. Outer marker will be relctd 4.5 mi SE of SE end NW/SE rnwy. lclzr temp inop. FLD: Const, equip. on fld intmtly. Use rnwys ngts. Closed to HB and VHB acft. Army temp inactive-civil. facs. Trans Army acft use Marietta AAF. Twrs of Radio Stn WSB 12 mi NE being dismantled, lgtd. (8-3).
ATLANTA NAS-RADIO: 142.74 mc transmitter and 3117.5,6210 kcs receivers at Navy twr temp inop. (10-28). FLD: Acft on IFR between 2000 and 0700 clear thru A.T.C. and proceed to Atlanta Arpt. Const equip. along rnwys.
AUGUSTA-Three 310'twrs, one 420' twr being constructed by Radio Sta. WGAC approx 5 mi N Augusta Range Sta., obst lgtd. (7-18).
BEMISS FLD NO. 3 (VALDOSTA)-Temp inactive-no facs. (See Special Notice re use).
BOWERS ARPT (BAINBRIDGE)-CLOSED (high weeds). (8-14)
BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rnwys. Use rnwys only. Close flight plans with Bush Twr. (7-1).
CAMP STEWART AAF (HINESVILLE)-Temp inactive-no facs. (See Special Notice re use). Cattle on fld. (12-17).
CHATHAM AAF (SAVANNAH)-Temp inactive-no facs. (See Special Notice re use). Rot. bcn inop. (5-22).
COCHRAN FLD (MACON)-Temp inactive-no facs. (See Special Notice re use). Use rnwys, taxi strips only. (12-5).
COOK CO. ARPT (ADEL)-Lgts inop. (9-23).
DANIEL FLD (AUGUSTA)-RADIO: 278 kc transmitter at CAA twr temp inop.(10-29)
GLYNCO NAF-LZA-RADIO: Navy twr temp closed, operates on call on one hrs notice. FLD: Tetrahedron temp removed. (10-11).
HINESVILLE ARPT-Equip. on fld and in approach zones intmtly. (2-26)
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. 120' lgtd twr between Rnwys 10 and 15 outside outer perimeter. No taxiing permitted on ramp east of Terminal Bldg-congested vehicular traffic. Area being fenced off. Will be compd apprxt Nov. 15. (10-9).
KINGS ARPT (MILLEDGEVILLE)-Soft after rainy weather. (11-6).
LA GRANGE ARPT-Heavy acft use rnwys, taxiways only-grass areas soft.(12-27)
LAWSON FLD (COLUMBUS)-MAKE ALL APPROACHES TO LAWSON FLD W. OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2 and 32. Right hand traffic Rnwys 14, 20, 27; left hand on Rnwys 2, 9, 32. (6-25).
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip (8-6).
MARIETTA AAF-No 73 oct. Ltd sto. Facs avail. 0800 to 2000. Radio stn WFOM erecting, unlgtd 100' twr 2 mi WSW. (9-9)
MOODY FLD (VALDOSTA)-Temp inactive-no facs. (See Special Notice re use). 2 Obst lgts atop Radio Stn WGOV inop.
NORTHSIDE ARPT (MOULTRIE)-NE/SW strip closed. (3-26)
PARKAIRE FLD (MARIETTA)-Emerg use only-const. (8-28).
ROBINS FLD (WARNER ROBINS)-No 91 oct. (7-17).
ROCKY FORD FLD NO. 1 (VALDOSTA)-CLOSED TO HEAVY ACFT. (7-18).
**ST. SIMONS ISLAND NAS-Avail. only to mil acft and scheduled airlines sunrise to sunset. Closed ngts except on prior req. Only 100 oct avail. (11-8).
SOUTHER FLD (AMERICUS)-Use strips only-parked acft.

GEORGIA-Continued.

THOMASVILLE ARPT-Closed ngts-no lgts. (10-24).
TURNER FLD (ALBANY)-Temp inactive-no facs. (See Special Notice re use). Use rnwys only. Rnwys 4C, 9R, 14C, 18L closed. (8-26).
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld). (8-14).
VALDOSTA ARPT-Army temp inactive-civil. facs.
VIDALIA-LYONS AIRFLD (VIDALIA)-Temp inactive-no facs. (See Special Notice re use). Flight plans handled thru Turner Fld. (4-5).

IDAHO

BENNETT FLIGHT STRIP (ANDERSON DAM)-Avail. for emerg use only. (5-7).
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (11-9).
COEUR D'ALENE AIR TERMINAL-Equip. on fld days. (10-19).
GOODING ARPT, new-Use rnwys only-sod unsafe (erosion). (9-20).
**GOWEN FLD (BOISE)-180' rdo twr of Stn. KGEM, 3 mi N, obst lgtd with red flash. bcn at top and red lgts at 1/3 and 2/3 levels. (10-15) Army temp inactive-civil. facs. Use rnwys, taxi strips only shoulders soft. Blinding 30 million candle pwr ceilometer 1000' NNW of arpt bcn. (9-13).
IDAHO CO. ARPT (GRANGEVILLE)-NE/SW strip under const. (9-19).
MOUNTAIN HOME AAF-Temp inactive-no facs. (See Special Notice re use). N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
POCATELLO ARPT-6' ceilometer projector in center of grass strip running parallel with Rnwy 5-23 and approx 75' S of rnwy at a point 500' W of taxi strip that intercepts Rnwy 29. lgtd. Equip. on fld days. (11-8).
POCATELLO AAF-Temp inactive-no facs. (See Special Notice re use).
PRIEST RIVER MUN ARPT-NNE/SSW strip under const. (7-1).
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous.(11-5).

ILLINOIS

ALBERTUS ARPT (FREEPORT)-Const. Equip. on fld. (10-29).
ASHBURN APRT (CHICAGO)-Avail. lgt acft under 2000 lbs only. Landing fee for heavier acft $2.00 and up. (7-25).
AURORA ARPT-Use strips only. (9-28)
BEARDSTOWN ARPT-S 400' N/S strip, 300' from end E/W strip and fld soft during heavy rains, mrkd. (7-15).
CASEY ARPT-S 1000' N/S strip being graded. (10-31).
CHANUTE FLD (RANTOUL)-Ltd parking. (10-28).
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const). (9-23).
CHICAGO ARPT-NE/SW rnwy closed, unlgtd (parking area). Closed to trans mil acft except on off. bus. or in emerg. No Army facs. Army acft use Chicago-Orchard Aprt. Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Terminal Bldg on arvl and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable at Arpt Supt's office before take-off. All numerals and letters on Rnwys 13L, 13R lgtd ngts. Hangar under const N side fld just E of NW corner. Ctn when taxiing. Covered ditch adj rnwys 27L, 31R, mrkd. Ditch on E side Rnwy 36R, mrkd. (9-11).
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
CHICAGO-ORCHARD ARPT (CHICAGO)-Closed ngts-no lgts. (10-21).
**CLEARVIEW ARPT (EARLVILLE)-New fld. Lat 41-35-30, long. 88-52-15.(10-15) See page 33.
**CLIFTON TERRACE SEAPLANE ANCHORAGE (ALTON)-New base. Lat 38-55-15, long. 90-15-15. (10-10).
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (11-8).
DECATUR ARPT-Avail. days only. Ditches along strips. Lgts being installed. (10-18).

ILLINOIS-Continued

**ELGIN ARPT-New fld. Lat 42-04-00, long. 88-17-00. (8-16) See page 33.
GALESBURG ARPT-Crash and fire fighting equip, avail. 0800 to 1600 Mon thru Fri only. (9-23)
GEORGE FLD (LAWRENCEVILLE)-CLOSED (no facs). (5-15)
GLENVIEW NAS-Prior approval required all acft expecting to ROM except off. bus. regularly scheduled NATS or NATSMS flights. Equip. on approaches. Non-radio equipped acft land on mats only. Closed ngts except in emerg or by prior arrangement. (7-8)
INTERSTATE ARPT (DE KALB)-CLOSED. (5-11)
**JOHNSBURG ARPT-New fld. Lat 42-22-30, long. 88-14-45. (8-19) See page 33.
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (7-16)
LARION ARPT-Ext. train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. During wet weather use black rnwys only. (9-6)
MOLINE ARPT-75' lgtd mast, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. 30' lgtd gravel plant, 422' due W of SE end NE/SW rnwy. Pwr shovels, high boom near both plants. Equip. NW portion fld days. 20' antenna being erected 1000' S of N end N/S rnwy and 250' E of centerline N/S rnwy, mrkd. Ditch both sides N/S rnwy. 30' unlgtd poles off NW end NW/SE rnwy. (10-29)
PEORIA ARPT-Closed ngts. (10-8)
PROSPERI ARPT (TINLEY PARK)-Use rnwys only. (7-5)
QUINCY ARPT-Avail. days only. (10-18)
RUEHMAN ARPT (HARVEY)-Use only area W of trench. (4-26)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
ST. DAVID ARPT-Closed to cross-country acft. No svcg avail. N/S strip closed. New arpt under const 6 mi. N. (6-13)
SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather and after thaws. (9-21)
SCOTT FLD (BELLEVILLE)-RADIO- AACS, ground to air stn inop on 116.1,137.88, 140.58 mcs., 4630 kcs voice and 4595, 8200 kcs CW. (11-8)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)
SPRINGFIELD ARPT-Fld and strips soft after heavy rains. Unsafe heavy acft when soft. Closed ngts. (11-8)
VANDALIA MUN. ARPT-Use only N/S rnwy after heavy rains. (5-10)
WAUKEGAN ARPT-NW corner NW/SE rnwy, W end E/W rnwy unusable, mrkd. (8-16)
WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (8-9)

INDIANA

ATTERBURY AAF (COLUMBUS)-Temp inactive-no facs. (See Special Notice re use).
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FORT WAYNE)-RADIO-Army ILS (CAA type) temp inop. (10-24) FLD: Temp inactive-no facs. (See Special Notice re use). E/W rnwy closed. (10-22) Antenna pole obst lgts rmvd, poles unlgtd. New poles will be erected 3.5 mi SW and lgtd.
BENDIX FLD (SOUTH BEND)-Army temp inactive-civil. facs. Equip. on fld days. N triangle closed. (8-15)
BLOOMINGTON ARPT-Fresh grading soft when wet. (8-7)
BRIGHTWOOD ARPT (INDIANAPOLIS)-Fld under const. E/W rnwy closed. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. (9-19)
**CAMPUS ARPT (BLOOMINGTON)-Lat 39-10-45, long. 86-30-00. (5-28)See page 69.
CHAIN LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only.
CHARLESTOWN ARPT-2000' strip under const-usable with ctn. (9-16)
COLUMBUS ARPT-Turn off rnwys onto taxi strips after landing. (9-10)
EVANSVILLE ARPT-Old-Use rnwys only. Equip. on fld days. (9-26)

INDIANA-Continued

FORT WAYNE-RADIO-Soon receiving and teletype facs will be relctd to Baer Fld. Range courses ground-checked only. (11-5)
FREEMAN FLD (SEYMOUR)-No svcg. (11-4)
HULMAN FLD (TERRE HAUTE)-Use rnwys only (erosion). (8-28)
INDIANAPOLIS-RADIO - CCA unit operated by CAA on exper basis at Indianapolis Arpt, between the hrs 0800 and 1600 Mon thru Fri. Unit aligned for approach from the SW on Rnwy 4. Transmits on 212 kcs, 126.18 mcs, receives on 3105,4495,6210,3117.5 kcs, 126.18 mcs. Pilots desiring to make practice runs should make arrangements thru Indianapolis twr, Indianapolis Radio or airline ground stn at Indianapolis. All flights must be CFR prior to starting CCA runs and must remain CFR throughout approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mcs bndry marker using keyed 3000 cycle tone, operating intmtly at SW bndry of arpt. Exper lclzr on 108.3 mcs operating intmtly SW end NE/SW rnwy. Exper Compass Locator at outer marker. Freq. 219 kcs. Ident. "ID". Exper FM operating occasionally 10 mi SW fld on lclzr course, modulation 3000 cycles, keyed "U". Exper radio range operating intmtly at Avon, Ind, 7 mi NW of arpt on 172 and 194 kcs. Moorsville holding marker 10 mi SW of arpt operating on low power keying "U", tone 3000 cycles. (10-2)
INDIANAPOLIS ARPT-Heavy acft use rnwys only. Const around N side fld, parking ramp. No crash equip. All pilots register with registrar in Admin Bldg. Lobby, trans acft at City desk in Terminal Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. Tetrahedron being installed in triangle between NE/SW, NW/SE, E/W rnwys.
EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner, operating intmtly. 2-1/2' exper rnwy lgts both sides NE/SW rnwy. Exper flights of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip. 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 10' bldg with 25' antenna middle of W bndry; five 131' twrs 6 mi NW; 27' glide path stn 250' W of N/S rnwy and lclzr stn with 19' screen 700' N of N/S rnwy; 12' trailer 1000' NE of NE/SW rnwy on center line; trailer adj CAA glide path 400' SE of NW/SE rnwy, all lgtd ngts. 15' unlgtd trailer 800' E of CAA hangar. Tetrahedron uncontrollable. (10-26)
**JORDAN FLD (BLOOMINGDALE)-Use only NE/SW strip. N/S strip very rough with hazards. (11-4) See page 67.
★LAFAYETTE-RADIO- VHF voice fac comm at communication stn Nov. 11. Transmits on and guards 116.1 mcs cont. Stn class: BERL-VDT. These data rcvd too late for inclusion in "ANRA" and on "Flgt Planning Charts".
MADISON AAF-JEFFERSON PROVING GROUNDS (MADISON)-CLOSED TO ALL ACFT.
McCOMB ARPT (DECATUR)-Closed when wet. (11-5)
MICHIGAN CITY ARPT-Use only mrkd strips,taxiways-bel fld unsuitable for landing and taxiing. (7-27).
MORGANTOWN-RADIO- FM on S course of Indianapolis Range will remain in oper on exper basis. (11-8)
MUNCIE ARPT-Hangar under const along S bndry. (8-31)
PERU ARPT-Altho entire fld avail., normally use rnwys. (11-4)
PLYMOUTH ARPT-E/W strip avail. NNW/SSE strip avail with ctn (const). (7-3)
PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to heavy local traffic, trans acft avoid turning in middle of fld after landing. Continue to taxi straight to end of fld then taxi to within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather. Const NE end of fld. (9-20)
SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft. Lt traffic pattern. Const areas mrkd. (8-27)
SMITH FLD (FT. WAYNE)-Hangar under const N edge fld, mrkd. (10-5)
STARKE CO. ARPT (KNOX)-N/S strip soft. (11-4)
STOUT FLD (INDIANAPOLIS)-Temp inactive-no facs. (See Special Notice re use).

INDIANA-Continued

WHITTENBERGER ARPT (WABASH)- Use right traffic in landing S or W; left in landing E or N. No-wind conditions land to W. (8-16)

IOWA

AUDUBON AIRWAYS ARPT (AUDUBON)-Fld rough

CEDAR RAPIDS APRT-Use rnwys, taxi strips only. (9-23)

CHAPMAN FLD (WATERLOO)-Ben, bndry, obst lgts inop. Soft in wet weather.(11-5)

COUNCIL BLUFFS IAT, SITE O, CH-CG-Soon site will be decomm and relatd at lat 41-18-18, long. 95-51-18. (10-30)

CRAN FLD (DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)

DES MOINES ARPT- Entire area off rnwys E of N/S, NW/SE rnwys closed. Use rnwys only. Army temp inactive-civil. facs. (11-6)

ELKADER AIRPARK-Strip rough and rolling. (5-22)

HARLAN ARPT-Strips plowed up-regrading. Strip E of N/S strip approx 1000' long avail. with extreme ctn-rough. (10-11)

HUNTER FLD (CEDAR RAPIDS)-Use rnwys only. (11-3)

IOWA CITY APRT-Avail days only. Use rnwys, taxi strips only. Sod adj rnwys, taxi strips freshly seeded, graded. (8-30)

MASON CITY ARPT-Sod between taxi strip and N end N/S rnwy unusable. (10-11)

**ROSHER ARPT (RICEVILLE)- New fld. Lat. 43-21-55, long. 92-34-30. (10-25) See page 32.

**SIOUX CITY ARPT-Open to Army and Civil. acft. Civil. facs. avail. 24 hrs. daily. (10-29) See page 29. Blinding 30 million candle pwr ceilometer 1000' N of Admin Bldg. (10-29)

WINTERSET ARPT-Rough and rolling. (2-28)

KANSAS

**ALLMAN ARPT (LENEXA)-New fld. Lat 38-59-30, long 94-45-45. (9-12) See page 64. Use strips only. (9-12)

ATKINSON AIRPORT (PITTSBURG)-CLOSED (const). (8-15)

BEECH ARPT (WICHITA)-Use rnwys only during damp weather. (11-4)

CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags. (10-11)

DODGE CITY ARPT-Blinding 25 million candle pwr ceilometer projector installed 1000' NW of Admin Bldg. E/W rnwy closed. (10-16)

DODGE CITY AAF-Temp inactive. No facs. (See Special Notice re use).

DOWNS ARPT-When taking off to the S or E use right traffic. (9-30)

FAIRFAX FIELD (KANSAS CITY)-Use rnwys only. (3-12)

FORT RILEY-AA firing conducted immediately N of Marshall Range Sta.

GARDEN CITY AAF-Ctc Garden City Radio for landing information ngts. Svcg. opers avail. 0500 to 1630 Mon. thru Fri only. Closed ngts. (10-22)

★GOODLAND-RADIO- VHF range comm Oct. 24. See page 28.

GOODLAND ARPT-Rnwy sides soft when wet. (9-20)

HERINGTON AAF-Temp inactive. No facs. (See Special Notice re use).

**HUTCHINSON MUN. ARPT-215' rdo twr of Stn. HUHK, erected 5 mi WNW (294°) true at lat 38-06-07, long 97-56-08, obst lgtd by steady red lgts at 1/3 and 2/3 levels, flash. red lgt at top level. (10-21). Heavy acft use rnwys only. (9-23)

HUTCHINSON NAS-Closed to all Navy acft except on off. bus. (10-1)

INDEPENDENCE AAF-Only N/S rnwy near ramp avail. Svcg, opers avail. 0800 to 1630 Mon thru Fri only. Closed ngts. (10-22)

LAWRENCE ARPT-Center fld, taxi areas unusable, soft. Use rnwys only in dry weather. (8-16)

LLOYD FIELD (FT. SCOTT)-Use in emerg only (vegetation). (6-24)

MARSHALL FIELD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys, taxi strips, ramps only. Soft shoulders off rnwys. Obst lgts inop. 150' twr atop 1200' hill. (4-3)

KANSAS-Continued

★OBERLAND-RADIO- VHF range comm Oct. 29, at lat 39-15-30, long. 100-13-36. See page 29.

OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Range Stn.

OLATHE NAS-Closed 1800 to 0800 - flights desiring landing during these hrs must notify opers before 1600. (6-13).

OLATHE OLF NO. 2-Use in emerg only - no facs.

OLATHE OLF NO. 4-Use in emerg only - no facs.

OLATHE OLF NO. 7-Use in emerg only - no facs.

OLATHE OLF NO. 9-Use in emerg only - no facs.

★SHERMAN FLD (FT. LEAVENWORTH)-RADIO - AACS, ground to air stn now in oper on 4765,2936,4630 kcs voice; 4595,8200 kcs CW. FLD: Left traffic on strips 12,15; right traffic on Strips 30,33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (7-6).

SMOKY HILL AAF (SALINA)-RADIO - Army ILS (CAA type) temp inop. (10-24)
FLD: E/W rnwy closed. (10-17)

TOPEKA-Inst flying radio range ngt, day. Call Topeka Radio at least 20 mi. out before flying range.

WALKER AAF (HAYS)-Temp inactive. No facs. (See Special Notice re use). Trucks on NW/SE rnwy. (5-23)

WICHITA ARPT-RADIO-Glide path of CAA ILS will be comm soon on 335 mcs.(10-12)
FLD: Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Closed to trans acft without radio. Stay on concrete, sod unsafe. Equip. on fld days. Army temp inactive-civil. facs. (10-22)

**WRIGHT AIRPARK (ABILENE)-New fld. Lat 38-54-30, long 97-12-30. (9-17) See page 61.

KENTUCKY

ASHLAND ARPT-Right traffic pattern on NW landings and take-offs. (10-15)

BLUE GRASS FLD (LEXINGTON)-Use rnwys only. (10-13)

BOWLING GREEN ARPT-Red obst lgts NW end NW/SE rnwy inop. Const. (11-1)

BOMAN FLD (LOUISVILLE)-Army temp inactive-civil. facs.

CAMPBELL AAF (HOPKINSVILLE)-RADIO- Army twr temp inop. (10-29) FLD: Opers, engineering closed 1700 to 0800. (9-24)

GODMAN FIELD (FORT KNOX)-RADIO-Army range now operating reliably, maximum power only 25 watts. Multipres on S course about 15 mi out. (10-17) FLD: CLOSED TO ALL HEAVY AND VERY HEAVY BOMBARDMENT TYPE ACFT EXCEPT IN EMERG. Opers off. open 0600 to 2400; after 2400 avail. upon 12 hr. prior notice. (10-15)

GREATER CINCINNATI ARPT (COVINGTON)-Bndry lgts inop. Obst 600' due S Admin Bldg. (10-28)

**HENDERSON AIRPARK- New fld. Lat. 37-49, long. 87-40. (10-26) See page 68.

STANDIFORD FIELD (LOUISIVILLE)-Bndry, rnwy lgts inop. Tetranedron unlgtd, free swinging. (5-25)

LOUISIANA

BARKSDALE FLD (SHREVEPORT)-RADIO- Army ILS (CAA type) temp inop. (6-4) FLD: Liaison type acft land rnwy 14R-32L. Exten training-heavy traffic. (7-22)

COTTON VALLEY ARPT-E/W strip closed.

CROSS LAKE ARPT (SHREVEPORT)-CLOSED (const, equip. all strips). (4-29)

CROSS LAKE SEAPLANE BASE-Obsts in seaplane area-ctn when landing. (10-4)

DE RIDDER AAB-Temp inactive. No. facs. (See Special Notice re use.)

EAST BATON ROUGE PARISH AIRPORT (BATON ROUGE)-Avoid SE corner fld, marked with white flags.

HOUMA NAS-LTA-Twr operates daylgt hrs on week days only for acft in connectin with Bureau of Aeronautics Storage. Closed to all other acft except in emerg. No fuel. (7-22)

LOUISIANA-Continued

IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips-sod shoulders parallel rnwys and taxi strips avail. lgt acft only. Rnwy lgts inop. (3-16)
JENNINGS ARPT-Use strips only in wet weather. Smudge pots avail. on prior arrangements. Unlgtd pole lines S and E side fld. (5-17)
LAFAYETTE ARPT-Avail. days only. Use rnwys only. (7-4)
LAKE CHARLES-RADIO: Range and voice fac shut down (const).
LAKE CHARLES AAF-Blinding 30 million candle pwr ceiling lgt installed Stn WBAS. Operates during cloudy conditions. No 91 oct. (7-19)
MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-Use rnwys only nets. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way radio except in emerg. 171' unlgtd steel derrick being erected approx 15 mi SSE in Lake Salvador. (10-28)
MONROE ARPK, new-Arpk 1/2 mi SE of old Monroe Arpk unsafe (soft). (9-12)
NATCHITOCHES ARPT-Taxi to right. (4-23)
NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Equip. on fld days. Non-radio equipped acft use extreme ctn. Closed to all Army acft except primary, basic and advanced (not incls converted tactical type) trainers, utility cargo, C-46, C-47, series, C-60, C-64, liaison acft. helicopters and autogyros.
NEW ORLEANS NAS-Avail. Navy acft not exceeding 9000 lbs daylgt hrs. Equip. all rnwys-conducting evaluation tests. Fld on positive control. (10-11)
SELMAN FLD (MONROE)-Closed to all acft except scheduled airlines. No svcg facs. Obst lgts atop twr, hangars, floodlgts atop poles W side fld inop. Ngt lighting facs not avail. trans acft. Equip. on fld. (9-4)
SHREVEPORT ARPK, INC.-Const on fld. Land S of new hangar. Equip on fld days.
SHREVEPORT ARPT-RADIO: Soon, CAA twr will discont guarding 142.74 mcs.(10-27
FLD: Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1-1/4 mi S within approach zone N/S rnwy lgtd. (11-8)

MAINE

AUGUSTA ARPT-Rcn operating intmtly. Obst lgts atop poles 400' N of ENE/WSW rnwy, and on bldgs S side Admin Bldg inop. Equip. on fld days. (11-8)
BRUNSWICK NAS-Closed to all but off. flights (caretaker status - no facs).
DOANES ARPT (BREWER)-N 1000' N/S rnwy avail, bal of rnwy closed until spring repairs. (10-20)
DOUGLAS FLD (BRUNSWICK)-Avail. emerg use only. Right traffic when wind from the S. (8-28)
DOW FLD (BANGOR)-Temp inactive-no facs. (See Special Notice re use). E/W rnwy closed., Use concrete portion fld only. Closed 1900 to 0700. 125' twr 3 mi NE being extended to 200', temp white obst lgt on twr ngts.(10-31)
HOULTON ARPT-Closed except to scheduled airlines and lcl opers. Other acft land by prior permission from Resident Engineer, fone 2211. (10-10)
LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft-use rnwys. (7-20)
MILLINOCKET-RADIO: Auto. range monitor. sys temp inop.
MILLINOCKET ARPT-NW/SE rnwy closed from intersection to NW end. Grade stakes W side NW/SE rnwy. (10-8)
NORRIDGEWOCK ARPT-CLOSED - use in emerg only.
OLD TOWN ARPT-Use rnwys only - safety strips rocky. Lgts inop. (7-10)
PORTLAND ARPT-E/W rnwy closed ngts (etc lgts inop). Equip. on fld days.
PRESQUE ISLE AAF-RADIO: Army DF facs on standby status; services avail within 1/2 hr upon req over air to gnd or point to point facs. (3-4)
RAYMOND'S ARPT (PHILLIPS)-NW end NW/SE strip soft beyond flagged areas.
SCARBORO ARPT-Avail lgt acft only. Use N/S strip. Land within flagged areas.
WESTON FLD (MADISON)-Avail. emerg only. (8-29)

MARYLAND

BALTIMORE MUN. ARPT-No crash equip. Use rnwys, taxi strips only-other areas soft. 2 cranes 20 and 40' high operating approx 250' S, SW of Rnwys 32, 27 80' crane 800' N of N/S rnwy, mrkd. Const, equip. on fld. E/W rnwy closed 60' lgtd derrick 500' from NW end NW/SE rnwy. (11-9)
BELTSVILLE OLF-Closed to civil. acft except in emerg. (7-31)
EDGEWOOD ARSENAL FLD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS THIS STN OR IN EMERG OR PRIOR PERMISSION FROM CO. Closed Sat and Sun. Operates Mon thru Fri 0800 to 1600. Approach fld N of Penn. RR. High alt bombing E and S. Stay on concrete. (2-20)
ERCO ARPT (RIVERDALE)-Gen. fld const, however, one strip always avail.
GLENBURNIE-WHIPP ARPT (GLENBURNIE)-Avoid flagged area-equip. (10-5)
HAGERSTOWN ARPT-Acft parked on hangar and factory apron, also along W bndry of fld just W of the N end of the N/S rnwy and N of the W end of the E/W rnwy. Use ctn in landing and taking-off in area off rnwys. (9-20)
IER ANNAPOLIS ARPT (ANNAPOLIS)-N/S rnwy closed (const). NE/ SW rnwy and black-topped taxiway avail.-unsuitable for acft heavier than twin-engined type. (10-8)
MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS WITH GLENN MARTIN CO. OR IN EMERG. (10-31)
MEEKINS NECK-RADIO: FM signals on NE course of Patuxent River Navy range, weak. (1-12)
**PATUXENT RIVER NAS-Tetrahedron reletd and now in oper. on N side of fld near control twr. (10-23) Taxi stripe adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches, equip. adj taxiway parallel to Rnwy 2-20, ditches adj Rnwy 9-27, mrkd. Equip. on fld. Rnwy 9-27 being repaired.
PHILLIPS FLD (ABERDEEN)-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Equip on fld. Ltd svcg. No maintenance or RON. Closed Sats., Suns. Rnwy 4-22 closed. Approach fld from N only, fly heading of 200° from Aberdeen to fld. Avoid area 1500 yds S of fld; firing up to alts of 25,000'. No 91 oct. Closed to very heavy type acft. (7-30)
SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (9-24)
STEVENS ARPT (FREDERICK)-150' width of both strips graded and seeded-temp unusable. (9-9)
WEBSTER FLD (PRIEST POINT)-Blue and white checkered flag flown on Opers Bldg during daylgt hrs when twr not manned. (2-6)

MASSACHUSETTS

BARNES ARPT (WESTFIELD)-Oper of arpt bcn days only indicates scheduled airlines in vcnty arpt. Acft proceed with ctn when bcn lgtd. Ctd Westfield Radio for lgts. (8-4)
BOSTON-RADIO: Soon, FM will be comm at Dedham, Mass lctd at lat 42-15-59, long. 71-10-07, on SW course 14.4 mi from range stn. Ident, two dots, three dashes (. . - - -) Bear. and dist, range stn to FM; 238°, 14.4 mi. When Dedham FM is comm, ident of Franklin, Mass FM will be changed to three dots, three dashes (. . . - - -) (10-8)
BOWLES ARPT (AGAWAM)-High grass. Ltd maintenance. (6-6)
BROCKTON ARPT-E/W strip closed. N/S strip under const-avail with ctn. (6-4)
BROOKFIELD ARPT-Rough and steep. (7-22)
CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been estab. approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay.
**EAST BROOKFIELD ARPT (NEW BRAINTREE)-Will hereafter be carried under North Brookfield. (11-5) See page 44.
GRAFTON ARPT (NORTH GRAFTON)-Avail lgt acft. Heavy acft use ctn. Avoid W, SW portions of fld. (6-15)
LAWRENCE ARPT-At ngt use rnwys for landing and taking off. (3-23)

MASSACHUSETTS-Continued

LOGAN ARPT (BOSTON)-Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight, cargo and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Priv or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Mgr and pay fees. Pilots will be denied clearance until fees are pd. (9-26) Closed to B-17 and all Army tricycle gear type acft-use Bedford AAF. Army temp inactive-civil. facs. Range lgts inop. Equip. on fld. Mercury arc vertical beam NW end new temp NW/SE runway-used intmtly day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. New 5900' Runway 15-33 and Runway 4-22 avail. Runway 16-34 closed. NE 100' Runway 7-25 unsafe. Ditches N side Runway 15-33 midway between ends, mrkd. 100' floating derrick SW end Runway 4-22, mrkd. New hangar being erected SW corner of old fld, lgtd. (9-26)

MYRICKS ARPT-Wires on S end N/S strip. (7-13)

**NORTH SHORE ARPT (ESSEX)-New fld. Lat. 42-38-30, long. 70-47-30. (10-25) See page 45.

OTIS NAAS (FALMOUTH)-Use in emerg only (caretaker status - no facs).

PITTSFIELD ARPT, SITE 3B, AZ-BW-Land according to wind sock. (8-27)

REVERE ARPT-Const on seaplane base 1000' N of arpt. Booms day, ngt. (10-12)

SOUTH WEYMOUTH NAF-RADIO: Navy range oper extended until Dec. 1. FLD: 50' lgtd antenna pole 2200' from S edge landing mat. (6-25)

SPRINGFIELD ARPT-Lgts inop. (6-24)

SQUANTUM NAS-Unlgtd 100' boom on lighter at bndry due W between Rmwys 2, 8. Equip. at bndry. Fld avail. 0800 to 30 min prior to off. sunset. (9-27)

STEVENS FLD (NORTH ADAMS)-Avail. only lgt acft. (10-12)

WESTOVER FLD (CHICOPEE FALLS)-RADIO: Lclzr and outer mrkr Army ILS temp inop

WORCESTER ARPT-350' twr Rdo Stn WNEB being erected 3 mi ESE (110°) true. Twr now 75' high, temp lgtd. (10-28)

MICHIGAN

ABRAMS ARPT (GRAND LEDGE)-Hangar being const. N/S, E/W strips newly sodded.

ADRIAN CITY ARPT (ADRIAN)-W side fld being graded (stakes, flags). Extreme ctn in landing all strips except NE/SW strip. (3-18)

ANN ARBOR ARPT-Use rmwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (6-14)

**AVIATION COUNTRY CLUB ARPT (GALESBURG)-New fld. Lat. 42-17-00, long. 85-26-00 (10-25) See page 36.

BAKER'S FLD (PORT HURON)-Use strips only. (6-25)

BISHOP ARPT (FLINT)-208' unlgtd twr Rdo Stn WMMP, 5 mi NE (55°) true being constructed. (10-25) Use rmwys only when turf soft. Lgt acft use turf adj left side of concrete. Unmrkd acft parked on fld within 500' of bldgs. 160' water twr under const 1-1/4 mi NE, unmrkd. (8-15)

CALVIN CAMPBELL MUN ARPT (INDIAN RIVER) -Emerg use only. (6-24)

CAPITAL CITY ARPT (LANSING)-Use only rmwys, new N/S strip. Strip closed ngts. Equip. on fld days-acft parked W side fld E of apron. (9-20)

DETROIT CITY ARPT-Inbound acft required to have radio rcvrs. (10-22)

DETROIT NAS-Closed 1700 to 0800. (9-14)

DR. HAINES FLYING FLD (THREE RIVERS)-Sides and ends of strips soft. (5-10)

EMMETT CO. ARPT (PELLSTON)-Avail. all acft days. (9-24)

FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (5-10)

**FORD ARPT (DETROIT)-Mooring mast and bcn lgt atop mast, dismantled perm. (10-28) Bcn perm discont. (10-25) CLOSED. Avail emerg use only. Use rmwys only. (8-14)

GLADWIN ARPT-40 x 60' unlgtd hangar NW corner fld. (9-27)

GRIDLEY ARPT (YPSILANTI)-Strips unusable when wet-muddy. Land on sod with ctn. (10-22)

MICHIGAN-Continued

**GROSSE ILE-The following ctn area has been deactivated: beginning at lat 42-06, long. 83-10; due W to long. 83-45; WSW to lat. 41-53, long. 85-00; S to lat. 41-46; E to long. 83-30; NNE to point of beginning. (10-31)

JAMES CLEMENTS ARPT (BAY CITY)-Closed ngts. Heavy acft use rmwys only.

JEWETT ARPT (MASON)-Strips mrkd with yellow mrkrs. Plowed areas unusable, (rough). (7-3)

KELLOGG FLD (BATTLE CREEK)-Equip. on fld. (11-9)

KINROSS AAF-Temp inactive. No facs. (See Special Notice re use).

LAPEER ARPT-Hangars under const. Use strips only. E/W, N/S strips being widened. (7-13)

LEACH AERO SERVICE ARPT (HARTFORD)-Only E/W strip avail. (3-9)

LINDBERGH ARPT (KALAMAZOO)-Avail. ngts in emerg. All landings made in accordance with wind tee lctd midway between NW end NW/SE rmwy and N end N/S rmwy. (6-27)

MACKINAC CO. ARPT (ST. IGNACE)-Trucks, equip. on SE side fld. (9-20)

McKINLEY ARPT (FRASER)-Closed except to lgt acft in dry weather, (4-26)

MOUNT PLEASANT ARPT-Strips soft in wet weather. (3-16)

MUSKEGON CO. ARPT (MUSKEGON)-Use rmwys only-rough. (9-20)

OSCODA AAF-Use rmwys, taxi strips only. Temp inactive. No facs. (See Special Notice re use).

OTSEGO CO. ARPT (GAYLORD)-Const-usable with ctn. (5-16)

PRICKETT FLD (SIDNAW)-Unusable - under const. (6-25)

RACO AAF-Temp inactive. No facs. (See Special Notice re use).

ROMULUS AAF-RADIO: Army ILS (CAA type) less glide path, inop. (8-30) FLD: No lgts. (11-1) See page 37. Temp inactive - no facs. (See Special Notice re use).

SAGINAW ARPT-Constructing new hangar S side of fld. (8-26)

ST. CLAIR CO. ARPT (PORT HURON)-Use strips only. (9-26)

SAULT STE MARIE ARPT-Loose gravel on N/S rmwy. Use rmwys only. (9-20)

STIMSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rmwy. (7-10)

TRAVERSE CITY ARPT-N/S rmwy lgts, obst lgts S end N/S rmwy inop. (10-15)

TWIN CITY ARPT-ROSS FLD (BENTON HARBOR)-Use rmwys only - shoulders, fld soft after heavy rains, mrkd. (6-26)

WASHTENAW ARPT (ANN ARBOR)-Use rmwys only. Avail days only. (8-14)

WILLOW RUN ARPT (YPSILANTI)-Equip on fld. Trucks on NE/SW taxi strip. (6-14)

**YPSILANTI ARPT-Name changed to Gridley Arpt. (10-19) See page 37.

MINNESOTA

ALEXANDRIA-RADIO: Following repairs, ranges gnd-checked only. (11-7)

APPLETON ARPT-Use rmwys, taxi strips only. (6-26)

**BEMIDJI ARPT-Lctn: Lat. 47-30-30, long. 94-55-45. (10-30)

BENSON ARPT-Only NW/SE strip avail, bal fld under const. (8-16)

DECKER ARPT (AUSTIN)-Acft over 3500 lbs use ctn. (6-28)

DETROIT LAKES ARPT-CLOSED (const). Will be avail. soon. (5-24)

FARIBAULT ARPT-Closed to all acft weighing over 5000 lbs. (5-16)

FERGUS FALLS ARPT-Temp closed (const). (6-17)

FLYING CLOUD ARPT (MINNEAPOLIS)-Const. (12-17)

MANKATO ARPT-Use strips only. (5-16)

MINNEAPOLIS-Lgt atop Foshay twr will be discont soon. (10-11)

MONTEVIDEO ARPT-Const. Temp rmwys avail. Equip. on fld intmtly. (10-11)

ORTONVILLE ARPT-Temp closed (const). (6-20)

**OWATONNA ARPT-New fld. Lat. 44-07, long. 93-16. (10-24) See page 13.

PARK RAPIDS ARPT-Temp closed (const). (6-17)

ROCHESTER ARPT-Equip. on infld. SW 800' NE/SW rmwy closed (repairs). (10-1)

ST. PAUL ARPT-Use rmwys, taxi strips only. (8-1)

THIEF RIVER FALLS ARPT-Const. Fld closed to heavy acft. Portion old E/W rmwy, most of N/S rmwy avail lgt acft only. (8-27)

UNIVERSITY OF MINNESOTA ARPT (NEW BRIGHTON)-E/W, N end N/S strips rough.

MINNESOTA-Continued

VICTORY ARPT (MINNEAPOLIS)-Surplus Acft Sales Center - parked acft.
WHITNEY MEMORIAL ARPT (ST. CLOUD)-Ctn, glider opers. (6-19)
WILLIAMSON-JOHNSON ARPT (DULUTH)-Closed ngts. (8-1)
WOLD CHAMBERLAIN FLD (MINNEAPOLIS)-RADIO: Army DF stn oper temp suspended. (2-14) FLD: Crane with 100' boom operating NE side fld days, mrkd. Lgt acft use grass areas; heavy trans acft use runys. 3' trench, 10' long, 3' wide at W edge and E edge of N/S runy opposite passenger Terminal Bldg, mrkd. Equip. on runys, taxiways 0800 to 1900. Special Foreign Clearing Stn for Musk-Calf Project Flts. (11-7)
WORTHINGTON ARPT-New fld 1/2 mi ENE unusable. (6-22)

MISSISSIPPI

AUGUSTINE FLD (JACKSON)-Use stripe only - parked acft.
COLUMBUS AAF-Temp inactive. No facs. (See Special Notice re use). Use runys only. (8-29)
★FLORENCE-RADIO: FM flight checked and comm Oct. 31 at lat 32-09-48, long. 90-11-00. See page 124.
GREENWOOD ARPT-Use runys only - sodded portion soft. All runys lgts operated simultaneously - unable to control runys separately. (11-12)
GRENADA ARPT-NE/SW runy closed. (6-28)
GULFPORT MUN. ARPT-Closed ngts. Fld lgts inop. Ltd svcg. Avoid flying over area directly off SW corner. Entire sod fld avail. (5-27)
JACKSON ARPT-Runys 2-20, 16L-34R closed until approx Nov 13. Bndry lgts NW end Runy 11, SE end Runy 34 discont. Red guide lgts installed 100' from Runy 11-29. (10-23)
JACKSON CO. ARPT (PASCAGOULA)-Trans acft use runys only - drainage grills under grass. (5-17)
KEESLER FLD (BILOXI)-Use runys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way radio. 20' boom NE corner NE/SW runy. mrkd. (10-17)
KEY FLD (MERIDIAN)-Rdo Stn WTOK erecting 180' twr 5 mi NE, lat 32-22-46, long. 88-40-04. (9-7)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
LAUREL AAF-Army temp inactive. - civil. facs.
##LOUISVILLE AIR SERVICE ARPT (LOUISVILLE)-New fld. Lat 33-04-00, long. 89-02-30. (8-28) See page 124.
McCOMB ARPT-West 1/3 of E/W strip unusable. (9-30)
VICKSBURG-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-10)
WINONA ARPT-Use N/S strip only. (3-25)

MISSOURI

BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (9-18)
CHILLICOTHE INT, SITE 7, MC-CO-Use runy only during wet weather. Sod areas slightly rough. (10-21)
COLUMBIA ARPT-Equip on fld days. Heavy student traffic. Ngt flying 3 mi radius fld. Sod at runys sides soft when wet. Traffic pattern 800' on downwind leg. Blinding 20 to 30 million candle pwr ceilometer 1000' E of rot. bcn. 200' twr being const 1 mi SE, temp obst lgtd. (8-29)
DAVIESS CO. ARPT (GALLATIN)-Use ctn until further development. (5-12)
HARRIS FLD (CAPE GIRARDEAU)-Use strips only - parked acft.
HARVEY PARKS ARPT (SIKESTON)-Use runys only - parkdd acft.
INDEPENDENCE ARPT-N/S strip avail., bal fld closed (grading). (6-25)
JEFFERSON CITY ARPT-E/W, N/S strips avail. lgt acft only - sod soft when wet. NE/SW strip avail. twin-engine acft not exceeding weight of C-45, C-78. (5-11)
JOPLIN ARPT-Obst lgts NE end NE/SW runy inop. (10-10).
KANSAS CITY ARPT-RADIO: Portable lclzr equip. temp placed in oper S end Runy 17. Flight check indicates severe low clearance areas NW and E of transmitter. Glide path and mrkrs operating. Temp facs not monitored. About Nov 10 to 20 port. lclzr will be inop for tuning of regular equip. About Nov 20, perm lclzr will be recomm. (10-28) FLD: CLOSED TO ALL ARMY ACFT EXCEPT IN EMERG-USE FAIRFAX FLD. Army acft rstd from refueling except in extreme emerg. Equip, on fld. Floodlgts on req. Neon approach lgt sys discont until approx Mar 3, 1947, due to maj const N end arpt. Tetrahedron uncontrollable. Pile drivers and derricks along S portion fld in vcnty of N/S runy-lowered ngts. (10-25)
KIRKSVILLE ARPT-E/W runy under const., unmrkd. (7-17)
LAMBERT FLD-ST. LOUIS ARPT (ST. LOUIS)-RADIO: Low clearances observed in blue and yellow sectors of ILS. (10-8) FLD: Closed to non-radio equipped acft. Equip. on fld and ramp. Const E, SE bndry fld. Navy facs closed 1700 to 0800 except when Opers Officer notified 2 hrs prior to 1700. (10-29)
LEBANON INT, SITE 54B, AQ-LS-Equip. on fld. (8-15)
MCFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (10-1)
MEXICO ARPT, SITE 43B, AQ-LS-S portion of SW bndry unlgtd. (11-5)
QUEEN CITY ARPT (SPRINGFIELD)-35' lgtd pole and lines N end N/S runy until approx Nov 20. (10-30)
ROSECRANS FLD (ST. JOSEPH)-Closed ngts. Bcn inop. (9-3)
SEDALIA (KNOBNOSTER)-Temp inactive - no facs. (See Special Notice re use). Use runys only.
SPRINGFIELD-GREENE CO. ARPT (SPRINGFIELD)-Use runys, taxi strips only - bal fld rough. Blinding 30 million candle pwr ceilometer projector in oper on E bndry. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)

MONTANA

BAKER ARPT-2' gully across NW/SE strip 1200' from SE end, across E/W strip, 400' from E end. (6-5)
BILLINGS ARPT-Lgtd lclzr bldg 1100' from W end E/W runy, lgtd glide path bldg 300' N of E/W runy adj E bndry. Army acft rstd from refueling except in extreme emerg. (10-22)
BUTTE ARPT-Blinding 30 million candle pwr ceilometer 267' E of center of N/S runy. (9-11)
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-E section arpt from middle of fld closed (const). Equip. on fld, unmrkd. (6-22)
CUT BANK ARPT-Bcn inop. Ctc lgts avail. on req. (10-26)
GREAT FALLS AAF-Runy lgts 75' in from outer edge of runy shoulders - use 150' center strip. Runy 16-34 closed. (9-27)
HELENA ARPT-RADIO: About Nov 15, CAA twr will be reactivated and consolidated with the Airway Communication Stn into a single fac operated from the twr lctn. Control of air traffic within the arpt traffic zone will be during daylgt hrs. During hrs of darkness advisory service will be furnished acft equipped with two-way radio. (10-25) FLD: Runys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. (10-21)
LEWISTOWN ARPT-Use runys only. (7-23)
MILES CITY ARPT-Bndry lgts inop. (9-20)
MISSOULA CO. ARPT (MISSOULA)-NE/SW runy closed. NW/SE runy closed to class B-17 or heavier acft. (6-23)

MONTANA-Continued

MOORE ARPT-S end N/S strip rough. (7-30)
MULLAN PASS-RADIO: During winter months, range will be operated intermittently on reduced pwr - courses unreliable (ice on loops).(11-3)
POLSON ARPT-Usable with caution. (7-19)
POPLAR ARPT-Dangerous when wet. (9-6)
SIDNEY ARPT-Ends of strips in cultivation.
VALLEY CO ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using. (9-7)
WOLF POINT ARPT-Hay stacks on fld. (9-10)

NEBRASKA

AINSWORTH ARPT-CLOSED. (10-27)
**AINSWORTH MUN. ARPT-Bcn and rnwy lgts avail. (10-27) See Page 29. Use rnwys only. (10-27)
BEATRICE ARPT-Erten const. (5-24)
CLAY CENTER ARPT-Use strips only. (5-19)
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (9-26)
ELGIN ARPT-Haystacks on fld. (5-24)
FREMONT ARPT-Equip., stakes on fld. (9-28)
**GOTHENBURG ARPT-New fld. Lat 40-55-50, long. 100-09-15.(10-20) See Page 28.
GRAND ISLAND AAF-RADIO: Army ILS temp inop. (9-27) FLD: Only 73, 100 oct avail. (8-20)
**IDLE ACRES ARPT (POTTER)-New fld. Lat 41-23, long. 103-20. (10-30). See Page 28.
KEARNEY AAF-CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS. Use rnwys, taxiways only. (10-23)
LEE BIRD FLD (NORTH PLATTE)-Army acft rstd from refueling except in extreme emerg. (10-9)
LINCOLN ARPT-Private acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. (9-25)
McCOOK AAF-Temp inactive. No facs. (See Special Notice re use). Use rnwys only - shoulders extremely soft.
OMAHA ARPT-S taxi strip avail. only single engine acft. Use rnwys only. Rnwy 17R-35L avail. lgt acft. (10-15)
**SCHUYLER ARPT-New fld. Lat 41-27, long. 97-06. (10-26) See Page 29.
SIDNEY INT, SITE 50, SL-OR-E/W strip avail., bal fld rough. (9-20)

NEVADA

BATTLE MOUNTAIN-RADIO: Courses ground-checked only. SW course 3° S, bear. 46°. (10-25) 116.1 mc transmitter and rcvr temp inop. (11-6)
BATTLE MOUNTAIN FLIGHT STRIP, SITE 35, SF-SL-Use paved surfaces only-shoulders soft. NE half NE/SW rnwy closed ngts-40' unlgtd obst 800' NE of NE end NE/SW rnwy. (11-5)
BOULDER CITY ARPT-SW end NE/SW rnwy unusable. (10-8)
DOUGLAS-TAHOE ARPT (MINDEN)-S 700' N/S taxiway closed. (4-2)
FALLON-RADIO: Stn unmanned 2300 to 0700.
FALLON ARPT-Closed except in emerg. (9-27)
FERNLEY (Site 22, San Francisco-Salt Lake)-Rough with soft areas due wind erosion, soft sand, marked. (7-10)
HUBBARD FLD (RENO)-Rnwy 16-34 extended 1000' beyond range lgts. Extension unusable. Equip., ditch immediately N of range lgts. Equip. W, E ends Rnwy 7-25. (10-29)
INDIAN SPRINGS ARPT-Temp inactive. No facs. (See Special Notice re use).
LAS VEGAS-RADIO: VHF range will be comm soon at lat 36-11-06, long. 115-03-48. Bear. and dist, stn to McCarran Fld: 24°, 4.2 mi. Freq 109.1 mcs. Ident "LQ" Courses: Visual, 29°, 209°; Aural, 119°, 299°. Mag. Var 16° E. Simult voice channel and receiving watches (3117.5 kcs, 116.1, 131.7 mcs) avail. 24 hrs daily. Stn class: VAR-VDF. (10-8)

NEVADA-Continued

LAS VEGAS AAF-RADIO: Soon the glide path component of CAA ILS will be comm on 335 mcs. Will furnish a 2.5° glide path angle. (10-26) FLD: No weather forecasting. Clearance by AFS. Obst bcns No. 3 and 4 atop Sunrise Mtn inop. Disabled acft 50 yds off SW end Rnwy 2-20, obst lgt on tail. Ltd opers facs. No maintenance. (10-30)
RENO AAB-Temp inactive. No facs. (See Special Notice re use).
TAHOE SKY HARBOR ARPT (GENOA)-Trans or inexperienced pilots avoid using.(8-5)
TONOPAH-RADIO: Stn unmanned from 2400 to 0800 daily. (7-31)
TONOPAH AAF-RADIO: VHF ground to air stn inop. Stn unmanned for indef period. (10-24) FLD: Temp inactive. No facs. (See Special Notice re use).
YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)

NEW HAMPSHIRE

BOIRE FLD (NASHUA)-Wind cone atop brick hangar bldg used to indicate wind conditions. In calm air conditions, take-offs and landings will be made toward the NW. (7-15)
BRATTLEBORO-HINSDALE AIRPARK (HINSDALE)-Use only N/S strip unless familiar with fld. (6-4)
★GRENIER FLD (MANCHESTER)-RADIO: AACS, ground to air stn now in oper on all freqs: 4765,2862,4845 kcs voice; 4595,8200 kcs CW. (11-8) FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.
HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-9)
LAKES REGION ARPT (WOLFEBORO)-CLOSED (const). Grass strip avail. in emerg. (4-8)
LANCASTER AIR PARK-CLOSED. (4-25)
LEWIS FLD (LITTLETON)-CLOSED (const). (4-23)
NEWPORT ARPT-60' trees N end N/S strip. (10-9)

NEW JERSEY

ATLANTIC CITY NAS-Avail. 0700 to 1530 Mon thru Fri. ETA prior to 0700 and after 1530 requires previous arrangement with Operations Officer. (7-11)
BENDIX-RADIO: Tests of exper equip. will be conducted on freqs of 108.5, 109.3,110.1 mcs.
BOUNDBROOK-RADIO: Tests of exper equip. will be conducted on freqs of 108.5, 109.3, 110.1 mcs.
CAPE MAY CGAS-Closed to trans acft except in emerg (caretaker status-no facs)
CARTARET-Bcn, side lgtd inop on twr Radio Stn WOR. (7-24)
COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (8-2)
FORT DIX-Artillery range at Fort Dix. When firing in progress, special traffic patterns are used.
FORT DIX AAB (WRIGHTSTOWN)-Temp inactive. No facs. (See Special Notice re use).
HEIGHTSTOWN ARPT & AIR SERVICE ARPT (HEIGHTSTOWN)-Under const. (3-12)
LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Temp fence erected at SW bndry fld. (8-6)
LAKEWOOD ARPT-N/S strip under const. (10-15)
NASSAU AIRPARK (CLARKSVILLE)-100' drainage ditch N side NNW/SSE strip, mrkd. (3-27)
NEWARK-RADIO: Range flight-checked Oct 30, courses correctly aligned. Multiples all courses.
NEWARK ARPT-To reduce the noise of acft flying over Newark residential areas and to avoid tall bldg section following must be complied with: 1. Increase the rate of climb as much as practical. 2. North-bound or East-bound acft make left turn as soon as practical when taking off to SW. 3. Make a half left turn as soon as practical when taking off to W. 4. Make a half right turn as soon as practical when taking off to N. Pass at least 500' to N of gas tanks lctd in Harrison when making a southerly direction approach to the N/S rnwy. 5. Whenever practical the arpt traffic

controller will suggest the use of rnwys which will permit acft to avoid passing over residential and tall bldg areas. (9-7) Closed to all acft without 2-way radio. Landing fee for itinerant acft now in effect based on weight classification. All acft must taxi to the City of Newark Registry Office NW side fld and register. E 800' Rnwy 28 rough. Pilots are to make approach for numeral on Rnwy. No hangar space for Army acft. S 1800' from extreme end pavement Rnwy 1 closed until approx Dec 15. 75' lgtd pile driver approx 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. (10-13)

RED BANK ARPT-Area starting from hwy W 1200' to the intersection of the N/S strip unusable. E end E/W strip seeded-will be avail. approx Nov 25.(10-28)

TETERBORO AIR TERMINAL (BENDIX)-Taxiway S end of Rnwys incomplete. Dirt strip adj to NE/SW rnwy closed. Observe instructions for taxiing from twr. Const on N, S end present rnwys. Lgt acft operating from fld. (10-26)

NEW MEXICO

ALAMOGORDO AAF-RADIO: Army ILS (CAA type) inop. (8-7) FLD: Opers and svcg avail. 0730 to 1600 Mon thru Fri only. Rnwy 3-21 lgts inop.(7-19)

ALBUQUERQUE ARPT-Used by RFC. Avail. only for delivery surplus acft this fld, prospective purchasers of surplus acft or parts, or in emerg.

ANTON CHICO INT, SITE 78A, LA-AQ-No fuel. (5-30)

CLOVIS AAF-CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.

CONDON FLD-See notice under White Sands Proving Ground, N. M.

CREWS FLD, SITE 42, NO-PU-(RATON)-CLOSED (const). (4-29)

DEMING ARPT-Closed-emerg use only.

DEMING FLD (CENTER)-Closed-emerg use only.

DEMING FLD (SOUTH)-Closed-emerg use only.

★EL MORRO-RADIO: Oct 30, range freq changed to 353 kcs.

GALLUP ARPT-E/W rnwy closed. (5-4)

GALLUP CITY FLD-ENE/WSW strip under const. (5-7)

HOBBS AAF-Rnwys 3-21, 12-30 closed. (10-16)

HOBBS MUN. ARPT-Allway landing area rough. Heavy acft use rnwys only.(7-21)

JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)

★KIRTLAND FLD (ALBUQUERQUE)-RADIO: Oct 28, CAA ILS flgt-checked and comm. See Page 57. AACS, and DF (HF) facs temp suspended (6-25). FLD: Blinding 25 million candle-pwr ceilometer projector installed 1000' N of Terminal Bldg. (6-5)

LAS VEGAS ARPT-Use rnwys only - bal fld unsafe. (5-30)

MAGDALENA MUN. ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (5-6)

ROSWELL-Inten inst train. on Roswell Radio Range below, above, and in overcast. Acft inbound to Roswell or operating in vicinity under IFR, contact Roswell Radio for instructions.

ROSWELL AAF-Ltd parking, svcg facs. (10-25)

SANTA FE ARPT-new-Rnwy lgts inop. Army acft rstd from refueling except in extreme emerg. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)

WEST MESA ARPT (ALBUQUERQUE)-Surplus Acft Sales Center - parked acft.

WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condon Fld, White Sands Proving Ground will be cleared to Biggs Fld, Tex, and will obtain permission and instructions from Biggs Fld Opers before landing at Condon Fld. When Condon Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by radio prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at

Condon Fld. (10-14)

NEW YORK

**AERO LAKE ARPT & SEAPLANE BASE (KINGSTON)-New fld. Lat 41-52-30, long. 73-58-30. (9-5) See Page 44.

ALBANY ARPT-Equip. on fld intermittently. (6-20)

**ARLINGTON ARPT (POUGHKEEPSIE)-New fld. Lat 41-42-15, long. 73-53-30. (9-5) See Page 44.

BALLSTON SPA ARPT-No lgts. These data rcvd too late for ⓪ symbol. (11-4)

BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)

BUFFALO ARPT-Acft entering and departing Buffalo traffic zone use ctn-new arpt 4000' ESE. 70' unlgtd smokestack Wbndry fld between E/W and NE/SW rnwys. Rnwys and taxi strips mrkd with black flags for winter opers.(10-24)

CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun in front of main hangar during air carrier opers to control local traffic and at other times when circumstances make such practices consistent with safety. Equip, N, W of N/S rnwy days. (7-2)

CHEMUNG VALLEY ARPT (WAVERLY)-Right traffic when taking off or landing to the W and N. (9-20)

CLASON'S POINT-RADIO: Soon range will be comm at lat 40-41-11, long. 73-50-33. Freq. 209 kcs, ident. "LG" Bear. and dist, stn to La Guardia Fld: 222°, 3.2 mi. Courses will be: 42°,129°,222°,273°. Stn class will be: SBRAZ-VDT. VHF voice fac will transmit on 116.1 mcs. Stn will guard: 3105,4495,6210,3117.5 kcs, 116.1 mcs. Clason's Pt LFM will not be decomm as previously advertised. A FM will be comm soon at New Rochelle, N.Y. at lat 40-53-17, long. 73-47-19, on NE course. Bear. and dist, range to FM: 42°, 5.6 mi. Ident. one dash. Simultaneously, FMK will be comm at the New Rochelle, N.Y. FM site on 275 kcs, ident "N". These facs, outer mrkr, and outer compass lctr stn on CAA ILS at La Guardia Fld will be comm on a temp basis operating only when La Guardia Fld weather is ceiling unlimited and visibility ten mi or more to permit pilot familiarization with the new holding patterns and approach procedures which will be published at a later date in the "Airman's Guide" when fully developed and accepted.

FLOYD BENNETT FLD NAS (NEW YORK)-Closed 1700 to 0800. (8-15)

FORT PLAIN INT, SITE 40A, CV-AZ-NE/SW strip, SE 700' NW/SE strip rough.(10-31)

GLOVE CITY ARPT (GLOVERSVILLE)-Right traffic pattern except when taking-off or landing to E. NE corner fld unusable, soft area mrkd. Closed to all acft above 250 horse pwr. (7-3)

HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)

HYLAN FLD (ROCHESTER)-Use strips only - caution when wet. (5-18)

IDLEWILD-RADIO: Courses aligned by ground check only. (10-29)

IDLEWILD ARPT-Temp pavement on Rnwys B-N/S and C-NE/SW being removed with trenches across rnwys presenting extreme hazard even in emerg. Not yet opened-const. (10-15)

ITHACA ARPT-Right traffic pattern in use. (8-3)

KINGSTON-ULSTER ARPT (KINGSTON)-ESE/WNW strip closed. (3-20)

LA GUARDIA FLD (NEW YORK)-RADIO: Soon the outer mrkr of CAA ILS will be relctd at lat 40-42-54, long. 73-55-50, lctd 4.4 mi SW of SW end NE/SW rnwy. Simultaneously outer compass lctr stn (to be lctd at new outer mrkr site) will be comm. Freq. 317 kcs, ident "O". (9-13) Lclzr courses, used in connection with closed Rnwy 4-22, not reliable for approx 30 days. (10-29) FLD: ARMY ACFT HAVING OFF. BUS. WITH HQ ATLANTIC DIV ATC, FT. TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. or with Cmdr Eastern Sea Frontier or Hdqs 3rd Naval Dist when RON or

refueling services not required. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVY ACFT USE NAS, FLOYD BENNETT. Army temp inactive-civil facs. Equip. between NW/SE rnwy and ramps N of Hangars 2 and 4. Pilots of all mil acft upon arrival check in base oper office and contact AFS, fld ext 285. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Dump trucks outer edges fld days, clear of all rnwys. Obst lgts atop lclsr shack approach end Rnwy 22 and end Rnwy 4. 70' lgtd bcon 4000' SE of NW/SE rnwy. 20' lgtd bldgs 300' E of NE end NE/SW rnwy. NE 1300' Rnwy 22 rough. Rnwy 4-22 closed until approx Nov 18- repairs.(10-18)

MacARTHUR FLD (ISLIP) -RADIO: Priv twr operating on 278 kcs. Guards 3105 kcs. Operates 0900 to 1700, week days, can provide ngt and Sun service upon req if important. (2-7) FLD: Mobile ILS units 20' high on all rnwys 500' from rnwy center line, lgtd. Acft use ctn-unconventional flight test oper. (5-23)

MALONE-DUFORT ARPT (MALONE)-Land on rnwys or grass along side of rnwys. Taxi on hard surface. (7-26)

MASSENA-156' twr Radio Stn WMSA lctd 232°, 3.0 mi SW, temp lgtd with red lgts on top. Upon completion lighting facs will consist of 300 mm flash. bcn atop and four side lgts; two at 1/3 level, 2 at 2/3 level. (9-9)

MASSENA ARPT-Use rnwys, taxi strips only - turf rough. (6-11)

**MILLERTON ARPT-New fld. Lat 41-58-30, long. 73-30-45. (9-5) See page 44.

MITCHEL FLD (HEMPSTEAD)-RADIO: Army ILS(CAA type) temp inop. (7-31) FLD: Rnwy 18-36 closed. (7-17)

MONTGOMERY FLD (U. S. MILITARY ACADEMY NO. 1) (MONTGOMERY)-CLOSED. (11-7)

MOUNT BEACON, BCN SITE 5, LG-UL-Nov 15, bcn site will be inop until approx Nov 25 for relctn 800' in an easterly direction from present lctn.(11-8)

NASSAU ARPT (HEMPSTEAD)-Fld not maintained. (6-28)

NEW YORK-SPECIAL NOTICE-RADIO: See Clason's Point Radio.

NEW YORK CITY-See Special Notice "Restriction on Flight of AAF Acft in New York City area".

**NIAGARA FALLS ARPT-No longer designated as Airport of Entry. (11-4) See Page 40. Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2000 to 0800. (10-30)

**OGDENSBURG ARPT-Redesignated as Airport of Entry for period of one yr from Dec 10, 1946. (10-22) See Page 17.

PULASKI ARPT-Const. Landing area being extended in all directions. (8-7)

REPUBLIC FLD (FARMINGDALE)-RADIO: Priv twr operating on 371 kcs. Guards 3105,4495,6210 kcs. Operates days only. (2-15)

ROCHESTER ARPT-Use rnwys only (soft). No hangar space. Equip. on fld days. (5-19)

ROME AAF-Traffic alt 1500' MSL. Right traffic pattern. (7-15)

SALAMANCA ARPT-SPECIAL NOTICE: The Common Council of the City of Salamanca passed ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100 for each violation. Closed to heavy acft.

SALAMANCA ARPT-Right traffic pattern when landing and taking off to W-variable pattern to clear houses 1000' W of end of strip. (10-9)

SARANAC LAKE ARPT-Use rnwys, taxi strips only - turf rough. (6-5)

SCHENECTADY CO. ARPT (SCHENECTADY)-Use rnwys only-turf areas soft. (11-12)

SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic pattern in use. (1-25)

SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const. NE/SW avail. with caution. (5-21)

SMITHPORT INC (UTICA)-Hangars under const. (10-14)

**STANTON'S NEWBURGH CUB PORT ARPT (NEWBURGH)-New fld. Lat 41-33-30, long. 74-03-45. (9-4) See Page 44.

STEPHENTOWN-RADIO: FM to be relctd on E course of Albany, N.Y. range.

STEWART FLD (NEWBURGH)-Pilots unfamiliar with Stewart Fld let-down procedure will not be cleared this fld under actpal inst conditions. Final approach under these conditions will be made on SW leg Stewart Fld range only.(8-5)

SYRACUSE ARPT-Turf areas soft, after heavy rains. (9-10)

TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (6-11)

TROY ARPT-Bcn inop. (10-10)

UTICA ARPT-Bcn lgt burning but not revolving. (10-27)

WALLKILL FLD (U. S. MILITARY ACADEMY NO.2)(WALLKILL)-CLOSED. (11-7)

WATERTOWN ARPT-Installing lgts. Land, taxi with ctn. Holes along rnwy edges. (8-1)

WESTCHESTER ARPT INC (ARMONK)-Const, tree removal equip on fld. (8-16)

WESTCHESTER CO. ARPT (WHITE PLAINS)-Const, excavation, equip. SW end NE/SW rnwy. Lgts inop due to repairs. 3 unlgtd 40' masts being erected off bndrys of fld approx 1000' SE of intersection of N/S and E/W rnwys. Equip. on NE end NE/SW rnwy daily from 0700 to 1800. (10-8)

WINDDALE ARPT-Avail. lgt acft only-rough. (3-21)

NORTH CAROLINA

ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy, approach all rnwys with ctn, equip on fld. No radio facs. (1-7)

ATLANTIC MCAAF-Use in emerg only (caretaker status - no facs).

BALDOON FLD NO. 1 (FORT BRAGG)-CLOSED. (11-20)

BOGUE MCAAF-Closed to all acft except in emerg (no facs). (7-11)

BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (6-6)

BURLINGTON ARPT-CLOSED (equip.). (5-23)

CAMP H ARPT (CHARLOTTE)-Surplus Acft Sales Center - parked acft.

CHARLOTTE-RADIO: Range flight-checked Nov 8, courses correctly aligned.

CHERRY POINT MCAS-RADIO: Temp Navy twr lctd adj to tetrahedron. (10-29) FLD: Const, equip. on rnwys. Rnwy lgts being repaired. (7-17)

DOUGLAS ARPT (CHARLOTTE)-Army temp inactive-civil facs.

EDENTON NAS-Use in emerg only (Caretaker status - no facs).

ELIZABETH CITY COAS-Stay on rnwys-shoulders soft, rough. Closed ngts from 1930 to 0730 except on prior req. All fld lgts inop. (9-13)

FAIRCHILD-CIVIL ARPT(BURLINGTON)-Use rnwys, taxi strip only. No fld facs.(3-29)

FORT BRAGG-Heavy firing being conducted in all sections of Ft. Bragg danger area up to 20,000'. All acft must avoid this area shown on Flgt Planning Chart 110 herein.

FORT BRAGG-Inten train. days with radio control target planes from fld 6 mi due E of N end Pope Fld. Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute.

GREENSBORO-HIGH POINT ARPT(GREENSBORO)-Both sides Rnwy 32 to intersection soft,rutted. Use rnwys only. (9-9)

MORGANTON ARPT-Soon will be closed to all acft - use Riverside Arpt. (4-26)

**NEWTON-CONOVER ARPT(NEWTON)-New fld. Lat 35-41,long. 81-14.(10-29)See Page109

**PHARIS FLD(DURHAM)-New fld. Lat 36-03-30,long. 78-47-00.(9-6) See Page 109.

POPE FLD(FT BRAGG)-CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAY RADIO-USE AUX STRIP 2 MI N, AT FT. BRAGG. Svcg avail. Chat fld. Heavy glider traffic. Equip. on fld. days. 73, 100 oct avail. (8-26)

RALEIGH-DURHAM ARPT (RALEIGH)-ILS and transmitter bldgs 900' from NE end NE/SW rnwy. Glide path unit 400' S center line and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obsts mrkd. (7-31)

ROANOKE ISLAND ARPT (MANTEO)-Bcn inop. (10-4)

**ROUTH FLD(GREENSBORO)-New fld. Lat 36-02-00,long. 79-48-00 (8-28) See Page 10

SEYMOUR-JOHNSON FLD (GOLDSBORO)-Use rnwys only - shoulders soft. Temp inactive No facs. (See Special Notice re use).

WEEKSVILLE NAF-LTA-Avail. HTA and LTA acft daylgt hrs; ngts by prior tlfo arrangement or in emerg. (9-3)

NORTH DAKOTA

BISMARCK ARPT-Use rnwys only. Equip. on fld-resurfacing rnwys. Army acft rstd from refueling except in extreme emerg. Crash and fire fighting equip avail. 0600 to 1900 only. (9-16)
CHANDLER ARPT (WILLISTON)-Use stripe only, bal fld rough. (5-10)
DAWSON INT, SITE 63, HL-TWIN CITIES-Lgtd snow fence erected in E-W direction approx 75' N of present fld bndry lgts SE corner fld. (10-30)
DICKINSON-RADIO: Moderate multiples E course, lgt multiples other courses.
DICKINSON MUN. ARPT-30' hay stacks near all edges fld. Use rnwys only.(10-9)
FARGO ARPT-HECTOR FLD (FARGO)-Tetrahedron flash. lgts indicates weather below CFR minimums. Bcn will operate only during hrs of darkness. (10-1)
GRAND FORKS ARPT-Use rnwys, taxi strips only. Shoulders soft. Equip. on fld. 50' const booms adj to NE corner fld, lgtd ngts. (8-27)
JAMESTOWN ARPT-Obst lgts atop 190' twr Rdo Stn KSJB, 2 mi SW discont. Twr being dismantled. (11-4)
VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES/CLOSED (const). Course lgts changed to red. Bndry lgts discont. (7-29)

OHIO

AKRON ARPT-Surplus Acft Sales Center-parked acft. Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg on arvl and dptr. Ltd svcg facs only. (5-27)
AKRON-CANTON ARPT (GREENTOWN)-New arpt under const. Will be avail. approx Dec 15. (10-18)
BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)
BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to E, W, and SW. (7-17)
BROOKFIELD ARPT-Avail. lgt acft only. N/S strip under const. (4-21)
BRYAN-DEFIANCE MEMORIAL ARPT (DEFIANCE)-Use E/W rnwy only, bal fld and rnwys under const. (7-3)
CEDAR LAWN ARPT (KENTON)-Use stripe only. (6-26)
CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. (5-1)
CLEVELAND ARPT-Trans pilots must register in Terminal Bldg upon arvl and dptr. Landing fee on all civil, multi-engine acft. (11-9)
★CLINTON CO. AAF (WILMINGTON)-RADIO: Army GCA sys now operates 0600 to 2200 daily; and from 2200 to 0600 during IFR conditions or on 30 min notice. (10-31). VHF/DF stn transmits on and guards 140.55 mcs cont; 137.65 mcs on req thru twr. (10-31). FLD: Rnwy lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC center upon entering or prior to departure from ATC area. Inten inst train. being conducted - for danger area description see Wilmington, Ohio. (7-8)
CONNEAUT ARPT-Use mowed stripe only. §6-4)
DAYTON ARPT-Use rnwys only. Equip. on fld. Approach lgt lane under const for approx 1500' off SW end Rnwy 6-24R. Consists of poles graduated up to 32' in height. (9-26)
FINDLAY ARPT-Lgtd bldg under const NE of fld. (10-21)
GRIESER ARPT (WAUSEON)-Use stripe only. (7-3)
GRIMES FLD (URBANA)-Use stripe only. Land according to wind tee lctd in center of fld. (5-27)
LANEBOWNE ARPT (GREENVILLE)-Equip. on fld intmtly. (8-12)
LIMA ARPT-1320' of the N portion of fld avail. in emerg only - under cultivation. (7-26)
LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (10-17)
LORAIN CITY ARPT (LORAIN)-Water main being run thru the SW corner of fld, temp shortening NE/SW strip to 1800'. (9-27)

OHIO-Continued

LOST NATION ARPT (WILLOUGHBY)-Const. Pilots use rnwys indicated by wind sock and tetrahedron lctd S side arpt. (7-9)
LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Rnwy 6-24. Army facs ltd. (11-1)
MANSFIELD ARPT-RADIO: Priv twr and low-powered range operate on req or for train. Freq. 269 kcs. Ident. "IV". FLD: Equip. on fld (const). (8-12)
MARION ARPT-Use only NE/SW, NW/SE rnwys W side fld. NE/SW, NW/SE stripe extend into cultivated area W end of fld. (6-4)
MATHER ARPT (CLEVELAND)-Closed to trans acft except on special permission. Const on 1000' NW/SE, 1100' NE/SW rnwys. (8-22)
McKINLEY ARPT (CANTON)-330' twr Radio Stn WCMW being erected 5 mi WNW (285°) true. (6-9)
MEDINA RICHARD ARPT (MEDINA)-Soft when very wet. (10-14)
MIDDLETOWN ARPT-Right traffic pattern taking off to S, SW and W.
NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)
OHIO STATE UNIVERSITY ARPT (COLUMBUS)-Const. Trans use rnwys only. (9-17)
OHIO UNIVERSITY ARPT (ATHENS)-3' ditch W end fld. (5-18)
PARKS WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E, NE, SE. (4-2)
PATTERSON FLD (FAIRFIELD)-RADIO: Glide path of Army ILS unreliable for ceilings under 100'. (7-1). Army GCA sys temp deactivated. (8-16) FLD: Equip. on fld. (11-1)
PAULDING CO. ARPT (PAULDING)-Soft when wet, land at own discretion. (6-7)
**PORT COLUMBUS-NAS (COLUMBUS)-Bldgs erected on fld as follows: Lclzr antenna shelter along centerline and 400' E of E end E/W rnwy, Lclzr transmitter bldg 230' S of lclzr antenna shelter, Glide path bldg 400' S of centerline and 750' E from W end E/W rnwy, Mcgn approach lgts lctd in a line 10' N of N edge of E/W rnwy from W end of E/W rnwy a distance of 1300' W. (11-4). See page 72. 18" trenches being dug on SW side NW/SE rnwy from Admin Bldg to NW end NW/SE rnwy; from Admin Bldg to just W and parallel to Navy opers area terminating at bldg lctn 400' E of E end of E/W rnwy, mrkd. Rnwys unmrkd. (11-4)
**PORT LANCASTER CORPORATION ARPT (HOOKER)-New fld. Lat 39-45-30, long. 82-39-45. (8-29). See page 72.
RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)
**SNOOK FLD (REYNOLDSBURG)-New fld. Lat 39-57-45, long. 82-47-15. (8-28). See page 72.
**STOMBAUGH ARPT (BRYAN)-New fld. Lat 41-28, long. 84-33. (10-30). See page 36
SULLIVANT AVENUE ARPT (COLUMBUS)-W end E/W strip being extended 900'; S end N/S strip 1000'; SE end NW/SE strip 800'. These extensions are under const and unsafe. (6-14)
TAYLORCRAFT ARPT (ALLIANCE)-No radio. Left traffic 800' pattern. Student train. and test flying. Land according to wind tee atop NE corner of hangar. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots must register in Opers Office upon arvl and dptr. (8-23)
TWIN CITIES ARPT (GALLIPOLIS)-Use in emerg only. Cattle on fld. (7-3)
**VOSS FLD (LEWISTOWN)-New fld. Lat 40-26, long. 83-53. (10-30). See page 72.
WARD ARPT (BEDFORD)-NE/SW, NW/SE strips rough. (7-3)
WELLINGTON ARPT-Right traffic on N and SW rnwys. (10-19)
WILLARD ARPT-Avoid center section of N/S strip (soft). (6-19)
WILMINGTON-Experimental flying is being conducted within the following described area: beginning at lat 39-41, long. 83-01-30; S to lat 38-48-40, long. 83-02-30; NW to lat 39-11-20; long. 84-00; N to lat 39-42-10, long. 84-00; E to point of beginning. This area should be avoided at all times.

OHIO-Continued

WRIGHT FLD (DAYTON)-CLOSED TO ALL TRANS EXC ACFT EXCEPT ON AUTHORIZED OFF. BUS. THIS STN OR IN EMERG AND TO ALL TRANS NAVAL ACFT. ALL OTHER ARMY ACFT AND TRANS NAVAL ACFT USE PATTERSON FLD. No svcg 2400 to 0730. Sod area closed. Exten exper and train. flights. Ltd maintenance. No quarters for trans crews. (10-22)
WYNKOOP ARPT (MT. VERNON)-Under const. (6-20)
YOUNGSTOWN-RADIO-Following repairs, stn lctn mrkr pattern not flgt-checked. (11-1)
YOUNGSTOWN AIRPORT-Use rnwys only. Equip. on fld. (6-22)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron ngts.on req only. Rnwy in use lgtd continuously. (6-20)

OKLAHOMA

ALTUS MUN. AIRPORT-Avail. only for delivery surplus mil acft or in emerg. Equip on and near N/S rnwy. (12-13)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg only. No fuel or svcg avail. trans acft-use Ardmore Arpt, Site 10, FV-ND. Iten ctc and inst train. in progress. (9-13)
BETHANY AIRPORT (OKLAHOMA CITY)-Use rnwys only. (6-6)
CHICKASHA FIELD-CLOSED- under supervision Defense Plant Corp. (8-4)
CIMARRON FIELD (YUKON)-Now a WAA Sales and Storage Center. No svcg, repairs or overngt storage. Planes parked on fld. 4 strips indicated by pylons and markers. Lime markings center of each strip. (5-25)
ENID AAF-RADIO-Army range unreliable (10-4) FLD: Ltd parking facs. Use rnwys, taxiways only. (5-8)
GARTHOEFFNER COUNTRY CLUB (OKLAHOMA CITY)-Only N/S, NW/SE strips avail.(6-26)
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
GUTHRIE INT, SITE 21, FV-ND-Const. Equip. on fld. Temp N/S strip avail. during const period. Bndry lgts to be decomm soon. Green course lgts changed to red. (5-21)
HATFOX FIELD-MUSKOGEE AIRPORT (MUSKOGEE)-Use rnwys only-parked acft.
**KINGFISH ARPT (HINTON)-New fld. Lat 35-31-30, long. 98-21-00. (10-26) See page 97.
LAWTON AIRPORT-Obst lgts inop. Bndry. flood lgts on req. (7-24)
**MAUKS ARPK (BLACKWELL)-Lat. 36-48-45, long. 97-17-00. (9-11) See page 61.
MAX WESTHEIMER FLD (NORMAN)-Avail all acft up to 30,000 lbs, days only.Left traffic pattern; lgt acft 800', heavy acft 1000'. Lcl traffic avoid flying over bldgs on N Campus. All traffic avoid flying over corporate limits of Norman unless having vertical clearance of 2000' or more. (7-13)
MUNICIPAL ARPT (BOISE CITY)-Emerg use only. (5-11)
NEWKIRK SKYPARK-NW/SE strip under const. (8-3)
NICKOLS FIELD (OKLAHOMA CITY)-Use rnwys only. (1-14)
PERRY ARPT-Trans mil acft land at Enid AAF for permission to use this fld.
PONCA CITY ARPT-Obst lgts atop 175' twr 1 mi S inop. (8-27)
POST FLD (LAWTON)-Closed to all except liaison type acft. Ext const. Equip on entire W half and NW portion fld. Closed ngts. Flash. bcn atop balloon hangar inop. Soft spots. Const on rnwys. (6-14)
ROOSEVELT-RADIO- VHF range will be comm soon at lat 34-52-00, long. 99-03-48. Freq. 108.7 mcs. Ident "RQ" (. - . - - - .). Visual courses: 53°, 233°; aural courses: 143°, 323°. (9-24)
SHAWNEE AIRPORT-Use rnwys, taxi strips only. (4-20)
TINKER FIELD (OKLAHOMA CITY)-RADIO- Army range reported unreliable for orientation and homing. (10-30). Army DF station temp inop. FLD: Equip. on Airdrome. (10-24)
TULSA ARPT-RADIO-Soon CAA twr will guard 3105,4495,6210,3117.5 kcs, 131.9, 118.5, 126.18 mcs. (10-26)

OKLAHOMA-Continued

TULSA ARPT-Pilots without radio watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only. Const on Terminal Bldg ramp. Equip. on fld. days, lgtd ngts. Svcg, crash and fire fighting equip. avail. 0800 to 1700. Mon thru Fri only. (10-25)
WILL ROGERS FLD (OKLAHOMA CITY)-RADIO: About Nov 27, CAA twr will transmit on 272 kcs, 118.7 mcs. 131.9 mc receiver and 126.18 mc transmitter and receiver temp inop. (11-5)., FLD:Ditch at approach end Rnwys 30, 35, lgtd. Bndry lgts inop-ctc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 type acft. (11-6).
WOODRING FLD (ENID)-Use rnwys only. (8-5)

OREGON

ARLINGTON INT, SITE 12B, PD-SM-Tall grass on fld. (9-17)
BAKER ARPT-Use rnwys only. Equip. on fld days. Erecting 25' unlgtd bldgs adj to and outside bndry lgts-700' E of N/S, 700' S of E/W rnwys. (9-14)
BEAVER MARSH INT, SITE 73, RV-ND-Unsafe lgt acft-rough. Heavy acft use ctn. (10-29)
**BLUE STAR ARPK (EAGLE POINT)-New fld. Lat 42-32-30, long. 122-49-00. (10-18) See page 20. Hangars under const. (10-18)
EUGENE-RADIO: All courses have multiples. (7-30)
EUGENE ARPK-N/S rnwy closed-to be used as taxiway only. (9-13)
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade.(6-5)
HOOD RIVER ARPT-Grading in progess to widen and lengthen strips. (9-16)
MADRAS ARPT-Closed to all civil. flying. Acft landing this fld may be detained. (10-8)
MAHLON SWEET FLD (EUGENE)-RADIO: CAA ILS will be comm on or about Nov 23 serving the N/S rnwy with approach from the N. Loclzr lctd 1100' S of S end N/S rnwy on centerline with approach lgt lane at N end. Freq. 109.9 mcs. Ident. "EU". Glide path lctd 750' from N end N/S rnwy 400' to the E. Freq. 333.8 mcs. Mag heading for landing: 159°. Two marker bcns: middle mrkr lctd .63 mi N of the N end of N/S rnwy on centerline with modulation freq of 1300 cycles keyed alternate dots and dashes. Outer mrkr lctd 4.5 mi N of the N end of the N/S rnwy on centerline with modulation freq 400 cycles keyed two dashes. (11-7). FLD: Equip. on fld. Use rnwys only. (10-6)
MEDFORD-RADIO: All courses have multiples.
MEDFORD AAF-RADIO: CW freqs of AACS, ground to air stn temp inop. (9-6).FLD: Use rnwys, taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10 mph. No bndry or flood lgts. No maintenance.(10-22)
PENDLETON-RADIO: All courses have multiples with signal fades and surges. Stevenson,Wash. FM commissioning delayed indefinitely. (7-4)About Nov 15, VHF voice fac will be comm at commun. stn. Will transmit on and guard 116.1 mcs cont. Stn class will be SBRAZ-VDT.
PORTLAND AAB-RADIO: AACS, ground to air stn voice freq. 140.58 inop. FLD: East N/S rnwy avail. taxiing only. Flash. lgts on tetrahedron indicates suspension CFR flights. 100 oct, ltd 73 oct avail. Ltd JP-1 fuel avail. (8-10)
ROSEBURG INT, SITE 4LA, SF-SA-Unlgtd 100' pole 1200' S, 300' E of S bndry. (8-20)
SANTIAM JUNCTION FLIGHT STRIP (IDANHA)-Land to the E, take-off to the W(8-10)
THE DALLES-RADIO: All courses have multiples with signal fades and surges.
TROUTDALE ARPT-Surplus Acft Sales Center - parked acft.

PENNSYLVANIA

ALLENTOWN-BETHLEHEM ARPT (ALLENTOWN)-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9, 14, 18 inop. (5-18)
ALTOONA-BLAIR CO. ARPT, SITE 24A, CO-PC-Use rnwys only. (8-13)
BARRETT ARPT (CANADENSIS)-CLOSED (const). (6-11)
BEAVER FALLS ARPT-Patterson Heights Arpt, 1.5 mi S Beaver Falls is not under const., entirely avail. New fld. Beaver Falls Arpt, closed (under const and soft). (3-30)

BLOOMBURG ARPT-Temp too soft for use (recent floods). (6-1)
BUTLER-ALAMEDA AIRPORT (BUTLER)-Pilots avoid hospital area adj arpt. Use right traffic pattern on W take-off. (7-9)
CARLISLE AIRPORT-NW/SE strip under const. Use ENE/WSW strip only. (6-11)
CECIL-RADIO- Visual and aural FM signals reported in Vicinity of Imperial, Pa. (7-17)
CHAMBERSBURG-High explosives being discharged approx 7 mi NW thru Feb. 5, 1947, daily Mon thru Sat 0800 to 1700 within the following area: N bndry lat. 40-01; S Lat. 39-59-30; E long. 77-47; W long. 77-49. (8-3)
CHEMUNG VALLEY ARPT (ATHENS)-500' extension E end E/W strip under const.(5-31
CUB HAVEN ARPT (LOCK HAVEN)- Use rnwys only. (8-13)
DALEVILLE ARPT-Use right traffic pattern on E take off. (8-22)
EAST SCRANTON ARPT (SCRANTON)-Emerg use only. (5-28)
GREATER PITTSBURGH ARPT (PITTSBURGH)-Use rnwys only-shoulders soft. CFR plans only. Ltd Army facs. No 91 oct. No sto. Rnwy 32, first 500' of Rnwys 23, 27 closed. Equip on fld. (9-24)
HARRISBURG STATE AIRPORT (HARRISBURG)-Use rnwys only. Do not use lock-wheel turns at ends of rnwys. (6-26)
JOHNSTOWN AIRPORT-Use rnwys only. (7-1)
JOHNSVILLE AIRPORT-RADIO- Navy twr temp inop on Sun. (4-26)
KAISER FIELD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only. (5-27)
LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd, stay between red flags. Sinkhole extreme E end E/W strip; 2 holes S end N/S strip, mrkd.
MILLBROOK-RADIO- VHF range temp. shut down. (5-10)
MT. POCONO AIRPORT-SITE 21, BUFFALO-NEW YORK-Shoulders NE/SW rnwy rough,not graded. Hazardous ruts along S side NW/SE rnwy. Use rnwys only. (5-22)
MOUNT UNION ARPT-Use strips, taxiways only. Use rnwys only in wet weather-strips unsafe (rough). (6-28)
NUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familiar with fld and surrounding obsts. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Arpt or ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. (8-5)
OLMSTED FLD (MIDDLETOWN)-Ngt landings hazardous. Obsts adj fld. 81' high tension wires across approach zones Rnwys 29, 14. Lgtd obsts between Rnwys 29, 32, approx 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgtd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to B-29 opers. Use rnwys 11, 32 for ngt landings. (10-14)
PARKER CRAMER AIRPORT (CLARION)-CLOSED (const). (5-24)
PHILADELPHIA NORTHEAST ARPT (PHILADELPHIA)-Avail. radio-equiped acft. Use rnwys only. Equip. on fld intmtly days. Trans pilots must register in Admin Bldg on arvl and deptr. (10-15)
PHILADELPHIA SOUTHWEST ARPT (PHILADELPHIA)-RADIO-Lclzr of CAA ILS which was operating on 109.9 mcs for test purposes only is now temp inop. Lctd E end E/W rnwy. (10-14). FLD: Closed to non-radio-equipped acft except in emerg. Const on fld. Use rnwys only. Use ctn in taxiing. (10-8)
PITTSBURGH-ALLEGHENY COUNTY ARPT (PITTSBURGH)-Army acft use in emerg only or on written orders. Use Greater Pittsburgh Arpt. Outgoing AAF flights clear thru AAF Flight Service. N/S rnwy closed. Equip.on fld, mrkd. Closed to non-radio equipped acft. (7-18)
PITTSBURGH-BETTIS ARPT (PITTSBURGH)-Right traffic on NE and NW rnwys.(6-4)
PITTSBURGH-BUTLER AIRPORT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (7-24)
PUNXSUTAWNEY AIRPORT-WNW end ESE/WNW strip closed. (8-5)
READING ARPT-RADIO: CAA ILS comm Oct. 9 on Rnwy 36 on exper basis. Lclzr on 109.5 mcs. Not flight-checked. Lclzr temp inop. (11-11) FLD: Ridges S and

E within 4 mi of fld up to 1200' MSL. Equip. on fld days. Right traffic pattern on Rnwys 13 and 18. (6-11)
**STULTZ FLD (ALTOONA)-10.7 MNE;RR N. Elev 970'. Longest strip: 3500'. Pole line N. 80,91 oct. Storage. Maj. acft and engine repairs. Data unverified.
SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W-take offs and landings. (10-15)
VALLEY FORGE AIRPORT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (5-29)
VANDERGRIFT ARPT-Being repaired - use only center of strips. (4-25)
WILKES-BARRE-WYOMING VALLEY AIRPORT(WILKES BARRE)-Use rnwys only. Closed ngts - all lgts inop. (8-2)
WILLIAMSPORT ARPT-Closed ngts. Avail. emerg landings only. (10-4)
WILLOW GROVE NAS-Closed ngts. Equip. sides all rnwys days-lgts being installed. IFR inbound flights will be accepted daylgt hrs but no IFR outbound flights may be may made. (9-16)
WINGS FLD (AMBLER)-NW/SE rnwy unusable (plowed up). Hangar const S side fld. Fld being graded, mrkd days. (9-14)

RHODE ISLAND

CHARLESTOWN NAAS-Const. Low Alt formation break-up. Use ctn below 1000' Alts. Equip on Rnwy 4-22.
GREENE, THEORDORE FRANCIS, AIRPORT (PROVIDENCE)-Use rnwys only. Turf channels avail. local instruction purposes only. (5-23)

SOUTH CAROLINA

**CHARLESTON MUN. ARPT-Neon approach lgts relocated at N end rnwy 15-33.(10-25) Lgtd bldg under const in sodded area between NW/SE rnwy and taxi strip 1500' S on NE end Rnwy and 325' from edge. 10' antenna shelter 45' long being erected on center line 1200' from SE end NW/SE rnwy, mrkd. Use rnwys only. Army temp inactive-civil. facs. (9-23)
CLARK FLD (CHARLESTON)-Strips rough. (4-19)
FLORENCE ARPT-Closed sunset-sunrise (beacon, rnwy, obst lgts inop). (7-12)
GEORGETOWN CO. ARPT (GEORGETOWN)-Equip. on rnwy shoulders. Bcn inop. (3-10)
GREENVILLE ARPT-Bndry lgts E, SE fld inop. (11-7)
GREENVILLE AAB-Only 73, 100 oct. Wind tee rpvd. Tetrahedron lgts inop. Non-radio equipped acft watch twr for landing direction. (10-3)
LEXINGTON CO. ARPT (COLUMBIA)-Army temp inactive-no facs.
MEMORIAL ARPT (SPARTANBURG)-Use rnwys, taxi strips only. (11-7)
MYRTLE BEACH AAF-Inst train. at 1000 to 5000' alts 50 mi radius during IFR.
NORTH AIRPORT-Temp inactive. No facs. (See Special Notice re use).
OWENS FIELD (COLUMBIA)-RADIO-Soon, DT fac of CAA range will be relocated at Lexington County Arpt. (10-8). FLD: Use rnwys only. Req. pilots avoid pivoting acft on NW end NW/SE rnwy. Small acft parked on ramp front Admin. Bldg, marked. (8-14)
PARRIS ISLAND MCAS-Use in emerg only (caretaker status-no fac).
WOODWARD FLD (CAMDEN)-RFC planes parked entire fld off rnwys. Use rnwys, taxi strips only. No facs for closing flight plans other than phone. Flight plans should be closed with Shaw Fld twr before landing. Closed ngts.(1-10)

SOUTH DAKOTA

ANDERSON ARPT (MITCHELL)-Use strips only. (5-7)
BELLE FOURCHE AIRPORT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (8-5)
BIEDENFELT FLD (FAULKTON)-Hay stacks on fld.
BROOKINGS AIRPORT-Use strips only-fld soft in wet weather. (8-5)
PIERRE AIRPORT-Tetrahedron unreliable. (6-18)
PLATTE ARPT-Use strips only.

SOUTH DAKOTA-Continued

RAPID CITY-RADIO: Range flight-checked Oct 31, courses correctly aligned.
RAPID CITY AAB-RADIO: Army ILS temp suspended. AACS, ground to air stn inop on all freqs. (10-17). FLD: No svcg or opers 1900 to 0700 daily. (10-9)
SIOUX FALLS ARPT-Use rnwys only. Tetrahedron rmvd. (9-2)
WATERTOWN-RADIO: Range flight-checked Nov 5, courses correctly aligned.
**WATERTOWN COM. ARPT-ABANDONED. (11-7). See page 12. These data rcvd too late for inclusion on "Flight Planning Charts".
W. W. HOYES ARPT (HURON)-Closed to all acft exceeding 25,500 lbs. Blinding 30 million candle pwr ceilometer 1000' NW bcn. (9-27)

TENNESSEE

BEACHVILLE, BCN SITE 63, DL-LV-Will be comm at new location soon. (10-18)
**BERRY FLD (NASHVILLE)-Neon approach aya comm, consisting of a green 18° course lgt, 100' from S end of N/S rnwy and 12 red neon lgt stns spaced approx 100' apart. (11-2). See page 105. Use rnwys only-rnwy, taxiway shoulders soft. (10-18)
CHATTANOOGA APPT-LOVELL FLD (CHATTANOOGA)-Intmt dynamiting in stone quarry N bndry fld daya. Avoid flying over quarry. (9-25)
CORNELIA FORT AIRPARK (NASHVILLE)-Landings and take-offs to S use left hand traffic, to N right hand traffic. (7-24)
CUMBERLAND FLD (NASHVILLE)-Strips under const. (1-26)
EMBRY RIDDLE FLD (UNION CITY)-Use rnwys only-parked acft.
KNOXVILLE-RADIO: Heavy multiples E course.
KNOXVILLE-McGHEE TYSON ARPT (KNOXVILLE)-S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. (10-3)
LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)
McKELLAR ARPT (JACKSON)-Use rnwys only-parked acft.
★MEMPHIS ARPT-RADIO: CAA ILS comm and flight-checked Nov. 1. See page 104.
** Twr and approach control will be inop during period when wind velocity in Memphis is in excess of 25 MPH in gusts and 35 MPH steady. At such times, traffic will be controlled by lgt gun signal from lctn atop term bldgs on S side arpt. (11-7) FLD: 195' rdo twr erected 4 mi W (274°) true at lat 35-03-55, long. 90-03-17, mrkd with 300 mm red flash, code bcn atop. (10-21). Fld badly eroded. Use rnwys only-shoulders soft. Equip. on fld. Avail. private acft equipped with fully operating 2-way radio transmitting on one of the following freqs: 3105, 4495, 6210 kcs. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft not permitted. Neon approach lgts inop-being relctd.(11-6)
MEMPHIS NAS-CLOSED NGTS EXCEPT IN EMERG. Flight plans should be addressed to "MEMPHIS NAVY". Ngt flying in 5 mi radius up to 2500'. Exten flight opers in 15 mi radius. Traffic left at 1000'. Resurfacing Rnwys, mats. Red rot. bcn indicates IFR. (8-6)
SMITHVILLE-RADIO: Severe multiples E and W courses. (10-5)
SMYRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (6-25). AACS, ground to air stn and DF facs on 4765, 4890 kcs, voice, 2796, 5200 kcs CW temp inop. (5-31)
TRI-CITY ARPT-RADIO: Oct 5, CAA twr comm, operating 0600 to 2100. Lgt gun only. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only - rough. Soft when wet. (10-22)

TEXAS

ABILENE AIR TERMINAL (ABILENE)-E/W rnwy avail. only on permission of control twr. (9-3)
ABILENE AAF-Temp inactive-no facs. (See Special Notice re use).

TEXAS-Continued

ALICE ARPT-Rnwy lgts not visible on final approach-lgts obscured from air by grass and vegetation. (10-20)
ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use rnwys only-parked acft. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (6-3)
ARLINGTON (MIDWAY) AIRPORT-All rnwy lgts inop. NE/SW rnwy unsafe; NW/SE rnwy usable with ctn. (4-18)
ASHERTON ARPT-High brush - use stripe with ctn. (6-11)
AUSTIN-RADIO: Range flight-checked, courses correctly aligned, break in stn location marker light pattern. (5-23)
AUSTWELL INT, SITE 5A, CR-FU-Unsafe (soft). (9-23)
BERGSTROM FLD (AUSTIN)-RADIO: Army ILS temp inop. (10-2). FLD: NE/SW rnwy closed. Unlgtd 20' lolsr truck and antenna 1500' on an extended centerline from N end Rnwy 17L. (11-7).
★BIGGS FLD (EL PASO)-RADIO: Army ILS (CAA type) temp inop. (5-16). AACS, ground to air stn nowoperates on 4765,2936 kcs voice, 4595,8200 kcs CW, (11-8). FLD: See notice under White Sands Proving Ground, N.M. Const on rnwys. Dirt landing strip at old fld closed for resurfacing. Five 90' twrs under const 2000' E of N/S rnwy, lgtd. (10-22)
BROWNSVILLE-RADIO: 3105,4495,6210,3117.5 kcs rcvrs unreliable. Range flight-checked Oct 2, courses correctly aligned.
BRUCE FLD (BALLINGER)-Use rnwys only-parked acft.
BRYAN AAF-Temp inactive-no facs. (See Special Notice re use).
CAMP HOOD LANDING FLD (KILLEEN)-CLOSED EXCEPT ON OFF. BUS. THIS STN OR IS EMERG. AAF oper facs avail. Ngt opers on previous arrangements. Right traffic to N, left to S overhead approach. E/W rnwy closed. (6-28).
CARTHAGE AIR SERVICE ARPT (CARTHAGE)-E/W strip under const. (5-28)
CHILDRESS-RADIO: Sept 24, VHF range on exper status only comm and flight checked for cont oper at lat 34-22-12, long. 100-17-12, lctd approx 5-1/2 mi SW of Childress. Freq. 109.1 mcs. Ident. "CH" (- . - . - -). Visual courses: 53°, 233°, aural courses: 323°, 143°. (7-25).
CHILDRESS AAF-Temp inactive-no facs. (See Special Notice re use).
CLEVELAND-RADIO: Exper VHF range temp inop. (10-15)
CLIFF MAUS FLD (CORPUS CHRISTI)-Use rnwys only during wet weather. (9-12).
**COMROE ARPT-Name changed to Montgomery Co. Arpk. (10-20). See page 117.
CORPUS CHRISTI-RADIO: 116.1 mc transmitter and receiver temp inop. (10-1)
COX AAF (PARIS)-Temp inactive-no facs. (See Special Notice re use).
**CRUVER ARPT-Correct name Gruver Arpt. (10-25). See page 60.
CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. No svcg or lgts. Landings should be made within orange cone bndrys. Use stripe only - parked acft.
ELDORADO ARPT-E/W strip soft in wet weather. (12-11).
ELLINGTON FLD (HOUSTON)-Closed to VFR acft except in emerg. Temp inactive-no facs. (See Special Notice re use).
EL PASO MUN. ARPT-ED ANDERSON FLD (EL PASO)-RADIO: About Dec. 1, ILS will be comm, serving NE/SW rnwy with approach from NE. Lolsr lctd 1700' SW of SW end of NE/SW rnwy, freq. 109.5 mcs. Ident. "EP". Glide path 1000' SW of NE end of NE/SW rnwy and 400' SE of rnwy centerline, freq. 332.6 mcs. Two marker bcns: middle, 3556' NE of NE end of NE/SW rnwy on extended centerline with modulation freq 1300 CPS keyed alternate dots and dashes; outer, 4.56 mi NE of NE end of NE/SW rnwy on extended centerline with modulation freq 400 CPS keyed two dashes per second. Mag. heading for landings 217°. (9-27). FLD: Const 400' to left and 1000' from the approach end Rnwy 22. (5-17)

ENGLISH FIELD (AMARILLO)-RADIO: AACS, ground to air stn oper temp suspended. (2-5) FLD: Use rnwys, taxi strips only. Army temp inactive - civil facs. (7-26)
FORNEY-RADIO: FM on E course of Dallas range inop. (10-2)
★FORT WORTH AAF-RADIO: AACS, ground to air stn now operating on 116.1, 137.88, 140.58 mcs. (10-29) FLD: Rnwys 3-21 and E/W closed. 40' trees immediate end Rnwy 35L. (9-16)
GAINESVILLE AAF-Use rnwys only. (8-10)
GASKIN FIELD (SHERMAN)-Use rnwys only.
GIBBS FIELD (FT STOCKTON)-Use rnwys only - parked acft. Use only in emerg.
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (5-22)
GOODFELLOW FLD (SAN ANGELO)-Use rnwys only. Ctc Goodfellow Radio 15 mi out in IFR weather. Acft flying N or E on range maintain odd 1000' alts. Acft flying W or S maintain even 1000' alts unless otherwise advised by Goodfellow Radio. Local inst acft using range. Ltd parking, svcg facs. (10-16)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT EXCEPT PTs. Ngt train. within gliding range from sunset to midngt at alts to 2000' above terrain. (7-1)
GUTHRIE-RADIO: On or about Nov. 15, VHF range will be comm at lat 33-46-30, long. 100-20-09. Freq 108-3 mcs. Ident. "UH". Visual courses: 72°,252°; Aural courses: 162°, 342°. (9-26)
••HEARNE ARPT-New fld. Lat, 30-52, long. 96-35. (11-4) See page 117.
HEARNE BCN SITE, 15, GS-WC-Bcn inop. (5-16)
HENSLEY FIELD (DALLAS)-Lgt acft operating at 500' pattern alts. (7-31)
HICKS FLD (FT WORTH)-Use strips only-parked acft. (4-25)
HITCHCOCK NAF-LTA-RADIO: 6390 kcs transmitter and receiver temp inop. (3-12)
HOLMAN ARPT (WICHITA FALLS)-Use strips only. Ctc Wichita Falls Radio for ngt landings. (5-12)
HOUSTON ARPT-Use rnwys, taxi strips - ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip. on fld. (8-12)
JEFFERSON CO ARPT (BEAUMONT)-Closed to trans acft except in extreme emerg. Const equip. on fld. No facs. (10-22)
JUNCTION-RADIO: On or about Dec 1, VHF range will be comm at lat 30-38-00, long. 99-58-43. Freq. 108.7 mcs. Ident. "JT". Visual courses: 128°,308°; Aural courses: 38°,218°. (9-27)
••KAUFMAN COUNTY ARPT (TERRELL)-Name changed to Terrell Municipal Airport. (10-22). See page 96.
★KELLY FLD (SAN ANTONIO)-RADIO: AACS, ground to air stn in oper on all freqs: 4765, 2936, 4630 kcs. voice, 4595,8200 kcs CW, 116.1,137.88,140.58 mcs. (11-8) FLD: Acft on fld. Use rnwys only. 190' lgtd twr const W Rnwy 14-32. (9-17)
LAMESA FLD-Gov't owned acft parked W half fld. Use rnwys only. (6-6)
LAREDO AAF-Temp inactive-no facs. (See Special Notice re use)
LAUGHLIN FLD (DEL RIO)-Temp inactive. No facs. (See Special Notice re use)
LONE OAK, BEACON SITE 5, DL-LV-Temp discont. (9-18)
★LOVE FLD (DALLAS)-RADIO: Nov. 6, glide path component of CAA ILS flgt-checked and comm. See page 97. FLD: Rnwy 4-22 closed. Soft areas along taxi strips when wet. 30 million candlepwr ceilometer projector 1000' N of control twr. (9-13)
LUBBOCK AAF-Temp inactive. No facs. (See Special Notice re use).
MARFA AAF-Temp inactive. No facs. (See Special Notice re use)
MATAGORDA ISLAND BOMBING AND GUNNERY RANGE (MATAGORDA ISLAND)-Temp inactive. No facs. (See Special Notice re use)
MEACHAM FLD (FT WORTH)-RADIO: CAA ILS will be comm soon serving N/S rnwy with approach toward S. Mag. heading for landing: 173°. Voice-equipped localizer will operate on 109.9 mcs. Glide path on 333.8 mcs. Two marker beacons: Outer marker 4.09 mi N of N end N/S rnwy, keyed 2 dashes per sec; middle marker 0.7 mi N of N end N/S rnwy, keyed with alternate dots and dashes. (10-8)
MEACHAM FLD (FORT WORTH)-In wet weather use rnwys, taxi strips only. (11-8)
MIDLAND ARPT NO. 2-Crash, fire fighting equip. avail. 0800 to 1900 only. (9-16)
MIDLAND AAF-Temp inactive. No facs. (See Special Notice re use).

MINERAL WELLS ARPT, new-Use rnwys, taxi strips only, graded areas unsafe. (7-15)
MONTGOMERY COUNTY ARPT (CONROE)-Use in emerg only-no facs.
••OLNEY ARPT-Bcn, rnwy ctc, obst lgts on 1 hr notice. (11-2) See page 93.
ORANGE ARPT-NE/SW, NW/SE strips under const. Use only E/W strip. Fld flooded after heavy rains. (7-10)
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (10-21)
PAMPA ARPT-Hangars being const along N/S hangar line parallel to N/S strip. (10-15).
PAMPA AAF-Temp inactive. No facs; (See Special Notice re use)
PERRIN FLD (SHERMAN)-Rnwy 3-21 closed. Acft parked S edge fld. (8-20)
PYOTE AAF-Rnwys 18-36, 7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri. to 0730 Mon. (11-6)
RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld. (10-16)
RICH FLD (WACO)-Use strips only-muddy Small ditch S end N/S strip (repairs on range lgts). (3-22)
★RIO GRANDE VALLEY INTERNATIONAL ARPT (BROWNSVILLE)-RADIO: CAA twr recomm atop NE corner Admin Bldg lctd W side of fld. (11-4) FLD: Rnwy 4-22 clsd. Use rnwys, taxi strips only Bldg 300' E, 700' S of N end Rnwy 17-35 lgtd. Civil acft may be cleared thru this arpt for foreign flights Army acft use Kelly Fld. Portable control tower 40' SW base of old twr Obst lgts atop 90' antenna poles 3 mi N and 3 mi S inop. (10-28)
ROBERT MUELLER ARPT (AUSTIN)-Acft landing or taking off on Rnwy 34R use right traffic pattern Acft landing or taking off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. (10-14)
ROCKPORT ARPT-Clsd except in emerg Fire and crash equip removed. (8-1)
SALTILLO, BEACON SITE 9, DL-LV-Temp discont (9-18)
★SAN ANGELO ARPT-RADIO: Mun. twr comm Nov. 1. See page 116.
SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio ATC. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or San Antonio Range Stn and adhere to instructions issued by San Antonio ATC Acft outbound from Randolph Fld adhere to instructions issued through Randolph Tower.
★SAN ANTONIO ARPT-ALAMO FLD (SAN ANTONIO)-RADIO: Nov 9 ILS (CAA type) minus glide path comm. Lclzr lctd 1300' NE of NE end of NE/SW rnwy. Freq 109.9 mcs. Ident "JK". Two marker bcns: middle .58 mi SW of SW end of NE/SW rnwy on extended centerline with modulation freq 1300 CPS keyed alternate dots and dashes. Outer-4.4 mi SW of SW end of NE/SW rnwy on extended centerline with modulation freq 400 CPS keyed two dashes per second. Mag. heading for landing: 30°. Flight-checked and operating cont. These data rcvd too late for inclusion in "ANRA" and "Arpt Directory". FLD: Ltd svcg Closed ngts to all civil. acft except scheduled airlines (10-17)
SAN BENITO INT, SITE 2, JI-FV-Hangar under const 200' NE bcn twr and 200' N Opers Office, mrkd. (10-28)
SAN MARCOS AAF-Ctn-helicopter and liaison pilot training. (10-15)
★SHEPPARD/KELL MUN ARPT (WICHITA FALLS)-RADIO: Army twr decomm Nov. 6 FLD: N/S rnwy W of fld rstd to acft 200 hp or less. Use rnwys only Army temp inactive-civil facs. Opers open only between 0800 and 1700 daily (10-15)
••SKY HARBOR ARPK (SAN ANGELO)-Lgts oper. each ngt to 2100 thereafter by circling fld (10-24). See page 116
SOUTH PLAINS AAF (LUBBOC)-Parts of rnwy not visible from control twr due to parked acft. Stn storage acft received only between 0800 and 1630 Mon thru Fri. Soft spot approx 1500' S of N/S rnwy Ltd transportation, no housing, messing facs. Svcg, opers avail 0800 to 1630 Mon thru Fri only. (10-22)
••STARNS ARPT (ALPINE)-Rnwy lgts on prior req. (10-24). See page 88.
STINSON FLD (SAN ANTONIO)-Right traffic Rnwys 9,14,17,22. Left traffic on all other rnwys. Traffic 800' above terrain 1367' MSL. Avail days only. (9-21)
TAYLOR ARPT (ALBANY)-CLOSED (rnwy const) (4-4)
TERRELL, BEACON SITE 6, FV-AG-Temp discont. (9-18)

TEXAS-Continued

TEXARKANA-Demolition operations are being conducted approx 15 mi WSW Texarkana Arpt, 0800-1615 daily except Sat and Sun. All acft cautioned to fly above 1500' over this area.

TYLER-RADIO: About Nov. 15, VHF voice fac will be comm at communication stn on 116 1 mcs.

VICTORY FLD (VERNON)-Use rnwys only (parked acft) Avail. days only. (6-3)

WHITE FLD (BRADY)-CLOSED. (6-7)

UTAH

BRYCE CANYON-RADIO: 116.1 mc transmitter and receiver, 131.7 mcs receiver and 111.1 mcs transmitter temp inop. (10-2)

DELTA ARPT-Use rnwys only (6-22)

DUGWAY FLD (TOOELE)-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF BUS THIS STN OR IN EMERG

ENTERPRISE INT, SITE 39, LA-SL-Closed to lgt acft-rough. 25' unlgtd bldg under const adj fld 90' N of SE corner. (10-23)

HANKSVILLE-RADIO: 111.1 mc transmitter and 131.7 mc rcvr temp inop. Stn unmanned from 2200 to 0600. (10-10)

HANKSVILLE INT, SITE 54, LA-DV-N/S strip unlgtd. (6-17)

HILL FLD (OGDEN)-RADIO: CW facs of AACS, ground to air stn temp suspended. (5-26) Army DF (HF) stn oper temp suspended (3-18)

MILFORD ARPT, SITE 45, LA-SL-Installation of obst lgts on bldgs SE corner fld S of and adj to bcn twr incomplete. (5-22)

PROVO ARPT-Soft shoulders Fld lgts avail. on req (7-18)

ST. GEORGE INT, SITE 36, LA-DV-Equip along edges of strips. (6-13)

SALT LAKE ARPT NO 2 (SALT LAKE CITY)-Use rnwys taxiways only, shoulders soft. (6-5)

SALT LAKE CITY-RADIO: Auto range monitor.sys on N course temp inop. Temp remote monitor. sys which provides con aural and visual monitor. at control stn recomm on N course. Warning. signal not avail (5-3)

SALT LAKE CITY ARPT NO 1-RADIO: Soon, CAA ILS will be comm, serving N/S rnwy with approach from S. Localizer transmitter located 1000' N of N end N/S rnwy on centerline, freq 110-3 mcs. Glide path transmitter located 750' N of S end N/S rnwy 800' W of centerline; freq. 335 mcs. Two marker bcns: Middle 3730' S of S end N/S rnwy keyed with alternate dots and dashes; outer 4.69 mi S of S end N/S rnwy, keyed two dashes per sec. Sys will operate cont. (10-7) FLD: Prevailing wind rnwy lgts operating ngts Use rnwys-shoulders soft. Equip. ahead of Rnwys 31 and 34. (10-25)

WENDOVER-Ground firing up to 45,000 MSL is being conducted approx 60 mi E, in the Low Flight Strip area from 0800 to 1800. See chart 23.

WENDOVER FLD-CLOSED TO ALL TRANS ACFT EXCEPT ON OFF; BUS OR IN EMERG. Opers inop 1700 to 0730. No svcg 2000 to 0730. Fld lgts avail. only on advance req. Obst lgts on mtn N of fld inop. (10-14)

VERMONT

BARRE-MONTPELIER ARPT (BERLIN)-Use rnwys only. (6-7)

BURLINGTON ARPT-Use rnwys only Const E side of N end N/S rnwy. (9-16)

VIRGINIA

ALBERTA ARPT-ENE/WSW strip rough Ends, sides ENE/WSW, NNW/SSE strips marked by 12' yellow markers. (5-24)

ALTAVISTA ARPT-200' NE end of fld unusable in wet weather (5-23)

BLACKSTONE AAF-Temp inactive. No facs (See Special Notice re use).

CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (5-20)

CHINCOTEAGUE NAAS-Closed 1700 to 0800 except in emerg or on req with 2 hrs notice. Bcn operates all ngt except during local ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. (9-5)

COLONIAL BEACH ARPT-CLOSED (wet - high grass) (6-9)

**CURRELL'S FLD (WEEMS)-New fld Lat 37-40 long. 76-28 (10-27) See page 76.

DAHLGREN NAF PROVING GROUNDS-CLOSED TO TRANS MIL ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Off flights must be cleared thru one of the following: Naval Air Stns: Anacostia, D.C; Patuxent River, Md; Norfolk, Va; Quonset Pt., R.I.; Cape May CGAS, N J: Inyokern NAF Calif; NAF Torpedo Stn, Newport, R I.: Naval Acft Factory, Philadelphia, Pa.; Cherry Point MCAS, S.C.; Quantico MCAS, Va.; AAF Proving Gnds, Eglin Fld, Valparaiso, Fla.; Langley Fld, Va.; Wright Fld, Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md; Lakehurst NAS, N J. 1 rnwy closed. Equip. on fld Only 1 rnwy avail. ngts (8-28)

EMPORIA ARPT-Fixed tee, wind sock being lctd on hangar S side fld. Hangar under const (5-4)

FENTRESS NAAS-Use in emerg. only (caretaker status - no facs)

HARCUM ARPT-Use NE/SW strip only between yellow cone marker. (6-14)

HOPEWELL ARPT-SE portion under const. Equip. on fld. (6-7)

HYBLA VALLEY ARPT (ALEXANDRIA)-Surplus Acft Sales Center - parked acft

★LANGLEY FLD-RADIO: N course of Army range swinging 5° W, bear. 167° AACS, ground to air stn now oper on 116.1, 137.88, 140.58 mcs. (10-30). FLD: Rnwy 2-20 closed. Rnwy 12-30 closed ngts. Only 100 oct (10-28)

LOVING FLD-SITE 35A, NASHVILLE-WASHINGTON (PULASKI)-Observe right traffic pattern for landings from SW on NE/SW rnwy. (8-1)

MILFORD INT, SITE 49B, AG-LG-NE/SW strip unsafe. (5-9)

MONOGRAM NAAS (DRIVERS)-Use in emerg. only (caretaker status - no facs)

MT VERNON-See Special Notice under District of Columbia.

NORFOLK-RADIO: VHF range comm FOR TEST PURPOSES ONLY Sept. 26. Lctd at lat 36-48-18, long 76-12-06, ident. "NW" Freq. 108.7 mcs. Visual courses: 20°, 15', 200° 15'. Aural courses: 110° 15', 290° 15'. Class: VARW. Aligned by ground check only. (6-26)

NORFOLK NAS-EAST FLD-Shoulders adj perimeter taxiway soft Pilots on Southbound coastal flights proceeding in accordance with IFR to NAS Norfolk, shall establish radio etc with twr at NAAS Chincoteague, Va., for further clearance instructions from Navy Norfolk. Pilots on Northbound coastal flights proceeding in accordance with IFR to NAS Norfolk shall establish radio ctc with Navy Weeksville Radio, NAS (LTA) Weeksville, Elizabeth City, N.C., for further clearance and instructions from Navy Norfolk. Equip. on fld (7-22)

OCEANA NAAS-Rnwys, taxi strips under const. Facs avail. 0800 to 1630 Mon thru Fri. Acft clearances not accepted 1630 to 0800 Mon thru Fri Essential mil flights accepted anytime on prior notification. (9-26)

ORANGE CO ARPT (ORLANGE)-E/W strip under const. (9-27)

PETERSBURG ARPT - CLOSED (const) (8-2)

PRESTON GLENN ARPT (LYNCHBURG)-Nov 12, twr recomm with lgt gun signals only. Gds 3105, 4495, 6210, 3117.5 kcs, 116.1 mcs. Simultaneously, the Airways Communication Stn assumed duties of arpt traffic control. (10-29) FLD: Use rnwys only Ctc Lynchburg Radio for landing instructions. Pwr line ext. of 2 poles approx 3200' NW of W end E/W rnwy and 3 poles approx 3600' to 3800' W of W end E/W rnwy, unlgtd. unmarked (9-25)

PULASKI-RADIO: Range flgt-checked Nov. 8, NE course 6° SE, bear 258°, NW course 2° SW, bear. 157°. Multiples all courses, severe NE course.

RICHMOND-Elko Aux Fld, 5 mi E of Richmond AAB, is similar in design and layout to the Richmond AAB, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse this fld with the Richmond AAB

RICHMOND AAB-Lgtd Army svcg facs. No 91 oct. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft All acft landing this fld without estab. radio communication with control twr watch carefully for lgt gun signals; control twr lctd in center of triangle of rnwys. Only 73, 100 oct avail. (8-7)

**SHENANDOAH ARPT-New fld Lat 38-29, long. 78-37 (10-28). See page 73. N/S strip under const. (10-28)

UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (10-18)

VALLEY ARPT (WAYNESBORO)-Grading equip on fld. One rnwy open (10-12)

WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (6-7)

WASHINGTON

SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3, Spokane Sectional, and Washington 5 Danger Area Charts).
ARLINGTON NAAS-Use in emerg only (caretaker status-no facs)
BELLINGHAM ARPT-Do not taxi off surficed areas-sodded portions soft.(10-28)
BOEING-RENTON ARPT (RENTON)-CLOSED TO ALL EXCEPT MIL ACFT.ON OFF BUS. AT BOEING PLANT.
**CITY VIEW ARPK.(TACOMA)-New fld Lat 47-17-30, long. 122-23-00 (9-5). See page 141.
CLE ELUM ARPT-Equip. on fld days Use taxi strip N of an parallel to rnwy for landings. (10-28)
COLVILLE ARPT-NW/SE rnwy closed (1-17)
CONNELL ARPT-18" grass and weeds on fld. (7-17)
COUPEVILLE OLF-Closed except in emerg Train. use requires 24 hrs advance notice thru Whidbey Island NAS (6-11)
DOROTHY SCOTT ARPT (OROVILLE)-2' weeds S 1000' N/S strip. (7-1)
EASTON RIDGE, BCN SITE 57, SA-HL-Bcn inop (10-17)
EPHRATA ARPT-Loose cattle on fld. (10-7)
FAIRWEATHER FLD (REPUBLIC)-Soft. Cattle on fld. (7-17)
**FELTS FLD (SPOKANE)-Redesignated as Arpt of Entry for period of 1 year from Oct 1, 1946. (10-22) See page 4: Fancher bcn near Felts Fld inop. Take-off and land. on sod area before reaching taxiway near center of fld (8-28)
GEIGER FLD (SPOKANE)-Temp inactive.No facs. (See Special Notice re use)
HAFER'S RANCH ARPT (CHEWELAH)-Closed pending decision re abandonment. (7-1)
KACHESS RIDGE,SITE 56 MI BLINKER, SA-HL-On or about Nov. 15, site will be permanently discont. (11-1)
KENMORE ARPT (BOTHELL)-Avail emerg use only-cattle. (9-10)
KING COUNTY ARPT-BOEING FLD (SEATTLE)-Use rnwys, taxi strips only. Equip. adj Rnwy 13-31. Army facs to be discont in near future (11-1)
LAKE SAMMAMISH SEAPLANE ANCHORAGE (ISSAQUAH)-CLOSED (4-26)
MARTIN FLD (COLLEGE PLACE)-Const on strips. Strip 2500 x 150' cleared and flagged center of fld for landing (11-7)
McCHORD FIELD (TACOMA)-RADIO: Army ILS (CAA type) temp inop. (6-12)
FLD: Use rnwys, taxiways only Equip. on fld Glide path bldg 13' high with 25' antenna being erected about 1340' N of S end N/S rnwy and 250' E of Rnwy centerline; lgtd ngts. (12-13)
MONROE-RADIO: FM on Seattle range temp inop. (10-3)
MOSES LAKE AAF-Temp inactive No facs. (See Special Notice re use)
MT VERNON OLF-Closed except in emerg. Train. use requires 24 hrs advance notice thru Whidbey Island NAS Bcn inop. (10-1)
PAINE FLD (EVERETT)-Closed for landings, take-offs sunset to sunrise except by prior arrangement with fld manager Lgts on req. (7-28)
PASAYTEN USFS ARPT (WINTHROP)-Horses on strips intmtly (7-1)
PASCO-See Special Notice (first item under state heading).
PASCO NAS-Use in emerg only (caretaker status - no facs)
**PORT ANGELES CGAS-Marine lgt relocated atop control twr. 487 yds W of former position, shows 3 white flashes every 10 seconds. (10-23)
PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-CLOSED (rnwys under const). (11-5)
ROSALIA MUN ARPT-12" grass and weeds (7-16)
SEATTLE-All acft advised not to fly below or near blimps in Puget Sound Area.
SEATTLE NAS-Approach stn from Kirtland at 1000' alt. Seaplanes landing at NAS Seattle, approach over Lake Washington from N or S under 200'. Rnwy 14-32 and wind direction indicator lgtd from sunset to sunrise. Rnwy 14R used as taxiway for large multi-engine acft. (6-26)
SEATTLE-TACOMA ARPT (SEATTLE)-RADIO: ILS emits localizer signals on 110.3 mcs, boundary and outer marker signals on 75 mcs cont. These signals may at times be spurious and are not to be relied upon for any purpose. (10-8) FLD: Equip. on fld days. Const approx 20' N of N end NW/SE rnwy. (8-22)
SPOKANE AAF-Use rnwys only (4-25)
SULLIVAN LAKE ARPT (METALINE FALLS)-2' grass and weeds. (7-1)
★TOLEDO-RADIO: VHF voice fac comm at communication stn Nov. 9. Transmits on and guards 116 1 mcs cont. Stn class: BMRLZ-VDT. These data rcv'd too late for inclusion in "ANRA" and on "Flgt Planning Charts".
**WALLA WALLA AAF-Flash red obst lgt atop tsmtr twr 6 mi. WSW replaced by white flash lgt. (11-2). CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG: NO FACS. All blinker lgts on mtns E of fld inop. Twr, bndry lgts inop Transmitter twr 2 mi SSW fld top red flash. obst lgt inop, substitute 300 watt red lgt 30' from top. (11-2)
WESTPORT ARPT-Driftwood on fld after extremely high tides (7-21)
WHIDBEY ISLAND NAS-AULT FLD (WHIDBEY ISLAND)-Bcn opers on IFR and from sunset to sunrise. Warm-up aprons avail for all rnwys. (9-11)
WILBUR ARPT-Center 200' strip avail Equip. on fld. (8-8)
YAKIMA-RADIO: Multiples all courses.
YAKIMA COUNTY ARPT (YAKIMA)-Graded areas rough. (10-22)

WEST INDIES

TRINIDAD-Carlsen Field-Edinburgh (North)-Rnwy closed to all Navy traffic except in emerg. Use Xeres (South) rnwy

WEST VIRGINIA

**ELK GARDEN ARPT-New fld. Lat 39-22-45, long. 79-09-15 (8-27) See page 73
ELKINS AIRPORT-Contact Elkins Radio on circle fld before landing. (7-16)
**HERRON ARPT (NEW CUMBERLAND)-New fld Lat. 40-32, long 80-33 (10-29). See page 73
LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy rains. (6-4)
PAYNESVILLE-RADIO: Priv H fac operated by PCA 0600 to 2300, use with caution.
SCOTT FIELD (BECKLEY)-Use right hand traffic pattern. (5-7)

WISCONSIN

CHAPLIN'S ARPK (PLYMOUTH)-NE/SW, NW/SE strips under const (10-21)
CLINTONVILLE ARPT-Use strips only. (6-7)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts (9-26)
EAU CLAIRE MUN ARPT-Temp closed. (9-5)
GENERAL MITCHELL FLD (MILWAUKEE)-Equip on fld days. Right turn procedure rstd to lcly based acft. All acft land acrdg to tetrahedron unless otherwise instrd by twr. All pilots must register in Admin Bldg upon arvl and dptr. Taxi strip S end fld connecting N/S, NW/SE rnwys closed. Excavated area 40' N of middle and E end E/W rnwy and junction NE/SW,NW/SE rnwys. Ditch digging 40' S of SE end NW/SE rnwy. (6-11)
GINNOW ARPT (OMRO)-Use strips only (6-7)
KENOSHA ARPT-Only N bank floodlgts avail. on req (6-10)
LA CROSSE ARPT-Use rnwys only (9-24)
LA CROSSE INT, SITE 23A, CG-TWIN CITIES-Snow fence erected 50' W of E bndry entire length of fld. E bndry lgts moved in to snow fence. (11-8) These data rcvd too late for ⓪ symbol.
MOREY ARPT (MADISON)-Equip on fld - portions under const. marked (4-28)
PLATTE ARPT (PLATTEVILLE)-CLOSED (const). (6-12)
RICE LAKE ARPT-Uncompleted portion NE/SW strip rough. (5-22)
RICHLAND CENTER ARPT-Equip. on fld (8-10)
SHAWANO ARPT (SHAWANO)-Use rnwys only. E/W strip under const (10-8)
SKY HAVEN ARPT (MILWAUKEE)-S 1/3 portion N/S strip unusable (washouts) (6-5)
STEVENS POINT ARPT-Use rnwys only. (8-9)
TAYLOR COUNTY ARPT (MEDFORD)-Avail in emerg only. Very rough. Maintained for small acft only. (6-6)
TOMAH ARPT-N/S strip under const. (7-9)
TRUAX FLD (MADISON)-Army temp inactive-civil. facs Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough (11-5)
VETERANS FLD (MENOMONIE)-Rough. (3-28)

WISCONSIN-Continued

WATERTOWN MUN ARPT-N/S strip soft - use W part of sod when wet. (4-10)
WINNEBAGO COUNTY ARPT (OSHKOSH)-Use rnwys only. (8-20)
**WISCONSIN SKYWAYS ARPT (HALES CORNER)-New fld. Lat 42-55-30, long 88-02-30 (8-23) See page 33.
**WISCONSIN STATE MILITARY FIELD (CAMP DOUGLAS)-Name changed to Camp Williams Airport (10-25) See page 32.
**WISCONSIN VALLEY ARPT, INC (WAUSAU)-New fld. Lat 44-52, long 89-39. (10-30) See page 16

WYOMING

CASPER AAF-CLOSED TO ALL ARMY ACFT EXCEPT ON OFF BUS OR IN EMERG. NO FACS
CASPER CENTRAL ARPT (CASPER)-NE/SW strip under const. (8-2)
CHEYENNE ARPT-Equip on fld intmtly. (7-20)
JACKSON MUN ARPT-Cattle on fld intmtly (5-20)
KNIGHT INT, SITE 6, SL-OH-On or about Nov. 15, site will be decomm Bcn will remain in oper as airways bcn with course lgts changed from green to red. (10-20)
LARAMIE-RADIO: Range figt-checked Nov. 1, courses correctly aligned.
SHERIDAN COUNTY ARPT (SHERIDAN)-N/S rnwy unsafe heavy acft Taxi strips parallel all rnwys except N/S rnwy and terminate at ramp. Stay on pavement. Equip on fld (5-8)
WARDWELL FLD (CASPER)-Use rnwys, taxi strips only-bal fld rough. 30 million candle pwr ceilometer projector 1000' N of bcn. (10-30)

AERONAUTICAL CHARTS

U. S. Coast and Geodetic Survey. Dates of Latest Prints

Dates in small type indicate minor changes which are not of sufficient importance to make the previous print obsolete. All charts carrying dates older than those shown in large type on this list are obsolete for use in flight.

SECTIONAL

Aberdeen	Dec. 11, 1945	May 31, 1946	Denver	Sept. 17, 1946		Lewiston	July 2, 1946		Reno	May 17, 1945	Aug 26, 1946
Albany	July 9, 1946		Des Moines	June 12, 1946		Lincoln	June 6, 1946		Roswell	Mar. 5, 1946	
Albuquerque	Sept 9, 1946		Detroit	July 11, 1946		Little Rock	Sept. 27, 1946		Sacramento	Sept. 9, 1946	
Aroostook	June 26, 1946		Douglas	July 27, 1946		Los Angeles	Aug. 12, 1946		Salina	Sept. 26, 1946	
Austin	Aug. 11, 1946		Dubuque	Oct. 2, 1945	June 18, 1946	Miami	Aug 8, 1946		Salt Lake City	Aug. 30, 1945	May 17, 1946
Beaumont	July 25, 1946		Duluth	Jan. 8, 1946	June 6, 1946	Miles City	May 13, 1946		San Antonio	July 30, 1946	
Bellingham	Apr 30, 1946		Elko	May 4, 1946		Milwaukee	June 16, 1946		San Diego	Aug. 27, 1946	
Birmingham	Oct 2, 1946		El Paso	July 25, 1946		Minot	June 6, 1946		San Francisco	Aug. 10, 1945	
Boise	Apr. 30, 1946		Fargo	May 29, 1946		Mobile	Aug 6, 1946		Savannah	Apr. 2, 1946	
Boston	July 2, 1946		Glacier Park	Apr. 26, 1945	May 7, 1946	Mt. Shasta	May 3, 1945	May 3, 1946	Seattle	Apr. 30, 1946	
Burlington	June 24, 1946		Grand Canyon	Feb. 19, 1946	Sept 16, 1946	Mt. Whitney	Aug. 27, 1946		Shreveport	Mar. 19, 1946	
Butte	May 15, 1945		Grand Junction	Feb. 19, 1946	Sept. 13, 1946	Nashville	Apr. 2, 1946		Sioux City	May 31, 1946	
Casper	May 20, 1946		Green Bay	June 12, 1946		New Orleans	Aug. 6, 1946		Spokane	May 10, 1946	
Charlotte	Apr. 2, 1946		Huntington	Oct. 9, 1946		New York	July 2, 1946		Trinidad	Sept. 16, 1946	
Chattanooga	Apr. 2, 1946		Jacksonville	Aug. 11, 1946		Norfolk	Apr. 16, 1946		Tulsa	Sept. 27, 1946	
Cheyenne	Aug. 30, 1945	May 26, 1946	Kansas City	Sept. 27, 1946		Oklahoma City	Mar. 19, 1946		Twin Cities	May 31, 1946	
Chicago	June 17, 1946		Klamath Falls	Apr. 30, 1946		Orlando	Aug. 6, 1946		Washington, D.C.	Apr. 16, 1946	
Cincinnati	Oct. 25, 1946		Kootenai	Apr. 19, 1945	April 16, 1946	Phoenix	Aug. 21, 1946		Wichita	Mar. 5, 1946	Sept 16, 1946
Cleveland	June 24, 1946		La Grande	May 3, 1945	May 9, 1946	Pocatello	May 27, 1946		Williston	May 3, 1945	May 9, 1946
Corpus Christi	Aug. 6, 1946		Lake Huron	June 25, 1946		Portland	Apr. 30, 1946		Winston-Salem	Oct. 2, 1946	
Dallas	Sept. 23, 1946		Lake Superior	June 13, 1946		Prescott	Mar. 5, 1946	Sept. 3, 1946	Yellowstone Park	Oct. 30, 1945	May 13, 1946
Del Rio	Jan. 22, 1946	July 23, 1946	Lake of Woods	May 24, 1946		Rapid City	May 3, 1945	May 17, 1946			

WORLD AERONAUTICAL - UNITED STATES

WAC 215	May 9, 1946	WAC 266	May 29, 1946	WAC 309	July 13, 1946	WAC 364	Aug. 11, 1946	WAC 467	Aug. 6, 1946		
WAC 216	May 17, 1946	WAC 267	May 24, 1946	WAC 310	Aug. 6, 1946	WAC 404	Aug. 26, 1946	WAC 468	July 30, 1946		
WAC 217	June 4, 1946	WAC 268	June 12, 1946	WAC 357	Apr. 30, 1946	WAC 405	Mar. 5, 1946	WAC 469	July 25, 1946		
WAC 218	June 17, 1946	WAC 269	May 10, 1946	WAC 358	Apr. 16, 1946	WAC 406	Sept. 13, 1946	WAC 470	July 17, 1946		
WAC 219	June 13, 1946	WAC 304	May 29, 1946	WAC 359	Apr. 16, 1946	WAC 407	Apr. 2, 1946	WAC 471	July 15, 1946		
WAC 262	June 26, 1946	WAC 305	May 13, 1946	WAC 360	Apr. 2, 1946	WAC 408	Apr. 2, 1946	WAC 522	July 29, 1946		
WAC 263	June 18, 1946	WAC 306	May 29, 1946	WAC 361	Sept. 11, 1946	WAC 409	Apr. 16, 1946	WAC 525	Aug. 8, 1946		
WAC 264	July 10, 1946	WAC 307	June 6, 1946	WAC 362	Aug 29, 1946	WAC 410	Apr. 16, 1946				
WAC 265	June 12, 1946	WAC 308	June 12, 1946	WAC 363	Aug. 11, 1946	WAC 466	Aug. 10, 1946				

RADIO DIRECTION FINDING

21-DF	July 8, 1946	23-DF	Sept. 6, 1946	25-DF	Apr 2, 1946
22-DF	July 22, 1946	24-DF	May 14, 1946	26-DF	May 19, 1946

LOCAL

New York & Vicinity	Aug 6, 1946	Miami	July 3, 1946
San Diego	Aug. 20, 1946	Brownsville	July 8, 1946
		Los Angeles	Sept. 13, 1946

WORLD AERONAUTICAL - ALASKA

WAC 62	Feb. 1946	WAC 77	Oct. 1944	WAC 118	July 1946	WAC 136	May 1946	WAC 139	Mar. 1946	WAC 191	Apr. 1946
WAC 63	May 1946	WAC 78	Mar. 1946	WAC 119	Jan. 1946	WAC 137	Mar. 1946	WAC 186	Mar. 1946	WAC 192	Mar. 1946
WAC 64	Mar. 1946	WAC 117	Aug. 1946	WAC 135	Mar. 1946	WAC 138	May 1946	WAC 190	Apr. 1946	WAC 193	Mar. 1946
WAC 76	May 1946										

FLIGHT

FC 1	Mar. 30, 1946	FC 11	July 9, 1946	FC 173	May 24, 1946	FC 184	Mar. 19, 1946	FC 218	May 9, 1946	FC 227	Sept. 12, 1945
FC 2	May 28, 1946	FC 12	Aug. 6, 1946	FC 174		FC 185	May 31, 1946	FC 219		FC 228	Sept. 12, 1945
FC 3	July 9, 1946	FC 13	May 28, 1946	FC 175	May 31, 1945	FC 186	June 21, 1945	FC 220	May 31, 1945	FC 229	July 9, 1946
FC 4	July 23, 1946	FC 14	Feb., 1945	FC 176	May 31, 1945	FC 187	May 31, 1946	FC 221	May 31, 1946	FC 230	July 5, 1945
FC 6	Oct., 1945	FC 15	Apr., 1945	FC 177		FC 188	Aug. 19, 1946	FC 222	May 31, 1946	FC 231	May 31, 1945
FC 7	Aug. 6, 1946	FC 16	Aug. 6, 1946	FC 178	May 15, 1946	FC 213	Aug. 19, 1946	FC 223	May 24, 1946	FC 232	May 31, 1945
FC 8	Jan., 1946	FC 18	June, 1943	FC 181	July 11, 1946	FC 214	May 31, 1945	FC 224	May 31, 1945	FC 233	Apr. 16, 1946
FC 9	Nov., 1944	FC 42	May 15, 1946	FC 182	Mar. 5, 1946	FC 216	May 17, 1946	FC 225	June 7, 1945	FC 234	May 31, 1946
FC 10	Dec., 1944	FC 43	May 31, 1946	FC 183	Apr. 2, 1946	FC 217	Oct 30, 1945	FC 226	Mar., 1945		

New editions of the charts listed below will be published in about one month, making former prints obsolete for use in aviation. Orders for these particular charts should be kept to a minimum for immediate requirements. As soon as the charts are available for distribution a second notice will appear in this publication.

Yellowstone Park, Casper, Elko, Glacier Park, Pocatello, Rapid City, Salt Lake City, Williston; WAC 217, 269, 304; FC 216; 26DF.

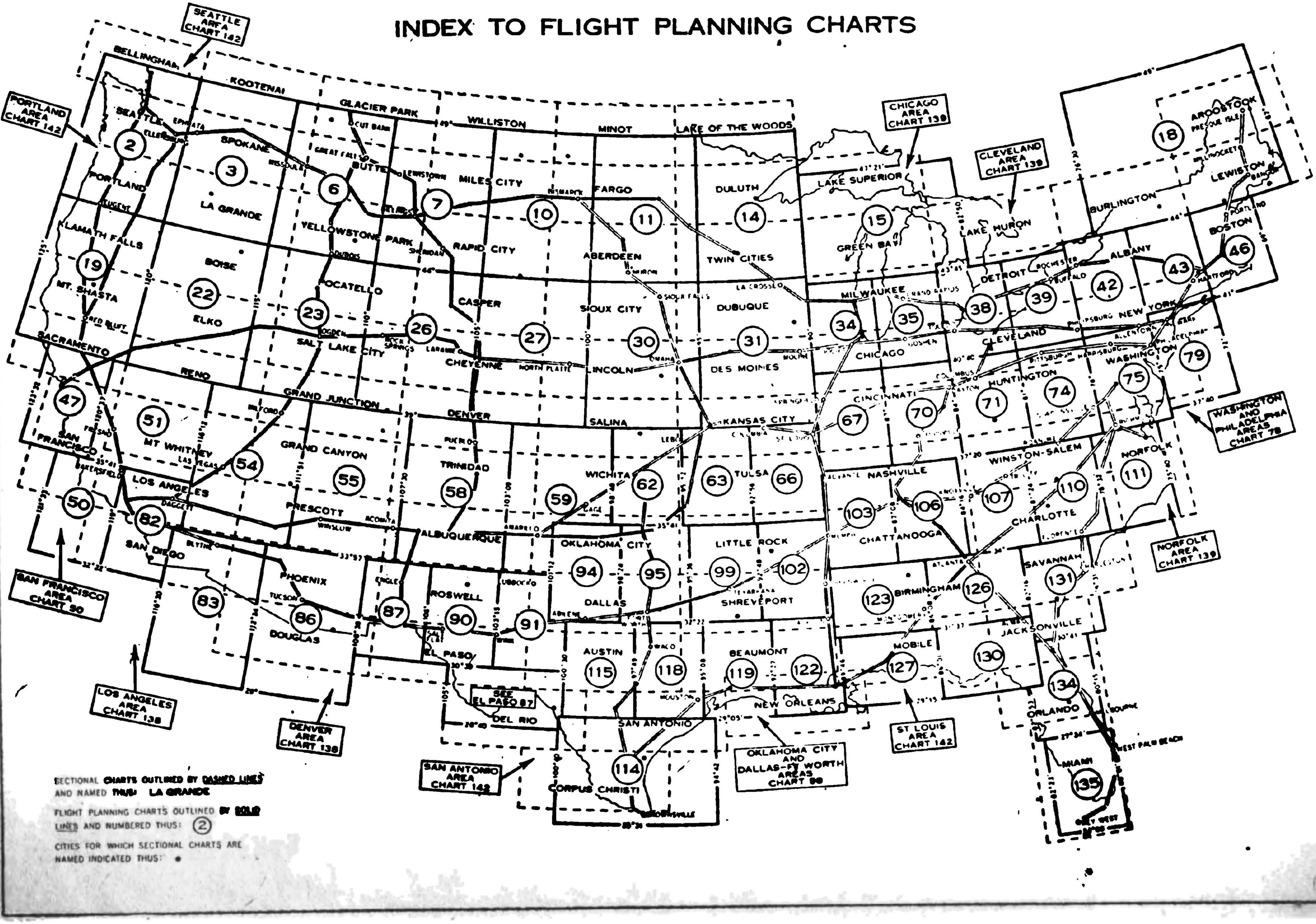
A new edition (or chart) of the charts listed below which make former prints obsolete is now available for use. Former prints should be destroyed or stamped "OBSOLETE FOR USE IN AVIATION".

NEW EDITIONS: Birmingham 10-2-46, Cincinnati 10-25-46, Dallas 9-23-46, Huntington 10-9-46, Kansas City 9-27-46, Little Rock 9-27-46, Salina 9-26-46, Tulsa 9-27-46, Winston-Salem 10-2-46, WAC 361 9-11-46, WAC 362 8-29-46, WAC 406 9-13-46; AL 2 9-9-46, 7 9-11-46, 10 9-17-46, 12 9-10-46, 13 9-5-46, 19 9-10-46, 27 10-10-46, 28 9-17-46, 38 9-17-46, 41 9-6-46, 46 9-5-46, 61 9-17-46, 65 9-17-46, 72 9-5-46, 78 9-17-46, 84 9-17-46, 87 9-17-46, 88 9-17-46, 89 9-17-46, 90 9-17-46, 92 9-17-46, 97 9-17-46, 101 10-10-46, 109 9-13-46, 114 9-17-46, 115 9-9-46, 117 9-17-46, 122 10-1-46, 130 10-1-46, 133 9-9-46, 135 9-10-46, 137 10-1-46, 151 9-11-46, 155 9-4-46, 160 9-5-46, 180 10-1-46, 181 9-11-46, 183 9-9-46, 189 9-17-46, 190 9-17-46, 194 9-11-46, 198 10-1-46, 203 10-1-46, 204 9-16-46, 205 10-10-46, 207 9-17-46, 212 10-1-46, 221 9-10-46, 225 10-1-46, 226 9-9-46, 227 9-9-46, 228 9-17-46, 233 10-1-46, 237 10-10-46, 240 9-10-46, 244 9-17-46, 253 10-1-46, 261 10-10-46, 269 9-17-46, 270 9-24-46, 276 9-9-46, 282 10-1-46, 287 10-10-46, 296 9-5-46, 299 9-10-46, 314 10-9-46, 321 9-11-46, 327 9-4-46, 330 9-13-46, 335 10-1-46, 342 9-5-46, 348 9-10-46, 349 10-1-46, 354 9-9-46, 364 10-1-46, 367 10-1-46, 375 10-1-46, 376 9-4-46, 377 9-5-46, 389 9-13-46, 398 10-1-46, 403 9-13-46, 407 9-5-46, 409 9-6-46, 414 9-4-46, 423 9-4-46, 427 10-1-46, 429 9-9-46, 431 10-1-46, 432 10-1-46, 439 9-17-46, 440 9-9-46, 445 9-6-46, 450 9-11-46, 453 9-17-46, 454 10-1-46, 461 10-1-46, 462 10-9-46, 472 10-10-46, 481 9-17-46, 489 9-17-46, 491 9-10-46, 492 9-11-46, 499 10-10-46, 500 9-10-46, 510 9-10-46, 511 9-6-46, 512 9-5-46, 514 10-1-46, 521 9-17-46, 524 9-4-46, 529 10-10-46, 536 9-10-46, 538 9-5-46, 541 9-20-46, 544 9-4-46, 546 10-1-46, 547 9-10-46, 548 9-17-46, 550 10-1-46, 553 9-9-46, 555 9-10-46, 562 9-9-46, 568 9-16-46, 570 9-18-46, 572 9-10-46, 574 9-9-46, 584 10-7-46, 585 10-1-46, 594 9-6-46, 605 10-10-46, 611 9-17-46.

NEW CHARTS: OP 288 New Orleans, La., Arpt.-10-46; OP 292 North Platte, Nebr., Lee Bird Field-10-46; AL 154 Ft. Myers, Fla., Page Field-10-10-46; AL 208 Jacksonville, Fla., Craig Field-9-17-46; AL265 Mission, Tex., Moore Field-9-17-46; AL 293 Oakland, Calif., NAS Alameda-10-10-46; AL 355 Roswell, N.Mex., Mun. Arpt.-10-1-46; AL 587 Buffalo Valley, Nev., Int. Field-10-1-46; AL 593-Washington, D.C., Anacostia NAS-10-1-46; AL 620 Topeka, Kans., Phillip Billard Arpt.-10-10-46; AL 626 Bedford, Mass., Arpt.-10-1-46.

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INDEX TO FLIGHT PLANNING CHARTS



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AIRMAN'S GUIDE



NOTICES TO AIRMEN
DIRECTORY OF AIRPORTS
AIR NAVIGATION RADIO AIDS

VOL. 1, NO. 18. .NOVEMBER 26, 1946

This issue includes all data on record as of 0001 E.S.T. on the date above. For later information consult teletype NOTAMS.

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
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TABLE OF CONTENTS

AIR TRAFFIC CONTROL PROCEDURES, DIGEST OF . . . . . VIII - X

AIR NAVIGATION RADIO AIDS, LEGEND, GENERAL INFORMATION . . . . . XI - XII

AIRPORT DATA, LEGEND XIII

FLIGHT PLANNING CHARTS AND DATA PAGES . . . . . 1 - 142

DIRECTORY OF SEAPLANE BASES . . . . . 143 - 144

NOTICES TO AIRMEN . . . . . 145 -

INDEX OF FACILITY LOCATIONS

ALABAMA

Albertville (106)
Alexander City (126)
Andalusia (127)
Anniston (126)
Athens (106)
Atmore (127)
Auburn (126)
Birmingham (123)
Bradford (123)
Brewton (127)
Canoe (127)
Centre (106)•
Clanton (123)
Columbiana (123)
Courtland (103)
Cullman (106)
Decatur (106)
Demopolis (123)
Dothan (130)
Eden (123)
Elberta (127)•
Enterprise (130)
Eufaula (126)
Eutaw (123)
Evergreen (127)
Foley (127)
Gadsden (106)
Gainesville (123)
Garden City (106)
Greenville (123)
Guntersville (106)•
Hartselle (106)
Headland (130)
Huntsville (106)
Jasper (123)
Josephine (127)
Lillian (127)•
Luverne (123)
Mobile (127)
Montgomery (123)
Muscle Shoals (103)
Ozark (130)
Prichard (127)
St. Elmo (127)
Scottsboro (106)
Selma (123)
Silverhill (127)
Summerdale (127)
Talladega (126)•
Troy (126)
Tuscaloosa (123)
Tuskegee (126)

ARIZONA

Aguila (83)
Ajo (83)
Amado (86)
Ashfork (54)
Bisbee (86)
Bowie (86)•
Cactus (86)
Cameron (55)•
Casa Grande (86)•
Chandler (86)
Clifton (86)•
Cochise (86)
Coolidge (86)
Cottonwood (54)
Datelan (83)
Deep Lake (55)
Douglas (86)
Duncan (86)
Flagstaff (55)
Florence (86)•
Fort Huachuca (86)
Fredonia (54)
Gila Bend (83)
Glendale (86)
Globe (86)
Grand Canyon (54)
Hayden (86)
Hereford (86)
Hilltop (86)
Holbrook (55)
Joseph City (55)
Kingman (54)
Laguna (83)
Litchfield Park(86)
Marana (86)
Mesa (86)
Meteor Crater (55)
Nogales (86)
Parker (83)
Perryville (86)
Phoenix (86)
Prescott (54)
Quartzsite (83)
Redrock (86)
Safford (86)
Sahuarita (86)
St. Johns (55)
Salome (83)
Seligman (54)
Sells (86)•
Somerton (83)
Superior (86)•
Tempe (86)
Toltec (86)
Tonopah (83)
Tucson (86)
Vail (86)
Valle (54)
Wellton (83)
White River (86)•
Wickenburg (83)
Willcox (86)
Williams (54)
Window Rock (55)•
Winona (55)
Winslow (55)
Yucca (54)
Yuma (83)

ARKANSAS

Alma (99)
Arkadelphia (99)
Benton (102)
Berryville (63)•
Biggers (66)•
Blytheville(66,103)
Brinkley (102)
Bruins (102)
Cabot (102)
Camden (99)
Clarksville (99)
Conway (102)
Cotton Plant (102)
Crossett (102)
Desha (66)
De Witt (102)
Elaine (102)
El Dorado (99,102)
Fayetteville (63)
Flippin (66)
Forrest City (102)
Fort Smith (99)
Harrison (63)
Helena (102)
Hope (99)
Hot Springs (99)
Hughes (102)
Joiner (102)
Jonesboro (66)
Little Rock (102)
Luxora (103)
McGehee (102)
Magnolia (99)
Malvern (99)
Manila (66)
Mena (99)
Monticello (102)
Newport (66,102)
Ola (99)•
Palmer (102)
Paris (99)
Pine Bluff (102)
Prescott (99)
Round Pond (102)
Russellville (99)
Searcy (102)
Springdale (63)
Stuttgart (102)
Texarkana (99)
Van Buren (99)•
Walnut Ridge (66)
West Memphis (102)
Wynne (102)

CALIFORNIA

Alameda (50)
Alturas (19)
Amedee (19)
Anderson (19)
Arcata (19)
Artesia (138)
Auburn (47)
Avalon (82)
Bagdad (54)
Bakersfield (50,51,82)
Banning (82)
Barstow (82)
Bass Lake (51)
Bay Point (47)
Beckwourth (19)
Belmont (50)
Big Bear (82)
Big Pine (51)
Bishop (51)
Blue Canyon (19)
Blythe (83)
Boron (82)
Brawley (83)
Bridgeport (51)•
Burbank (138)
Calexico (83)
Calipatria (83)
Callahan (19)
Cambria (50)
Carmel Valley (47)
Cedarville (19)
Chatsworth (138)
Chester (19)•
Chico (19)
Claremont (138)
Clarksburg (47)
Coalinga (51)
Colusa (19)
Compton (138)
Concord (50)
Corcoran (51)
Corning (19)
Corona (138)
Coronado (82)
Cotati (47)
Covelo (19)•
Crescent City (19)
Crows Landing (47)
Culver City (138)•
Daggett (82)
Davis (47)
Death Valley Jct. (51)
Delano (51)
Del Mar (82)
Delta (19)
Desert Center (83)
Donner Summit (19)(51)
Dos Palos (47)
Downey (138)
Dunsmuir (19)
El Cajon (82)
El Centro (83)
El Monte (138)
El Toro (138)
Escondido (82)
Estrella (50)
Eureka (19)
Evergreen (47)
Fairfield (47)
Fall River Mills (19)
Farallon Island (47)
Fontana (82)
Fort Jones (19)•
Fresno (51)
Fullerton (138)
Furnace Creek (51)
Gardena (138)
Glendale (138)
Grass Valley (19)
Gridley (19)
Half Moon Bay (50)
Hanford (51)
Hawthorne (138)
Hayfork (19)•
Hayward (50)
Healdsburg (47)
Hemet (82)
Hollister (47)
Holtville (83)
Huntington Beach (138)
Imperial (83)
Independence (51)
Indio (82,83)
Inyokern (82,51)
Jackson (47)•
Jacumba Hot Sprgs. (83)
King City (47)
Lakeport (47)
La Habra (82)
La Mesa (82)
Lancaster (82)
Lebec (82)
Lemoore (51)
Lindsey (51)
Livermore (50)
Lodi (47)
Lomita (138)
Lompoc (50)
Lone Pine (51)
Long Beach (138)
Los Alamitos (138)
Los Angeles (138)
Los Banos (47)
Lost Hills (50,51)
McCloud (19)•
Madera (51)
Manzanar (51)
Maricopa (50)•
Mariposa (51)•
Martinez (47)
Marysville (19)
Merced (51)
Modesto (47)
Mojave (51,82)
Monrovia (138)
Montebello (138)
Montague (19)
Monterey (47)
Mountain View (50)
Muroc (82)
Napa (47)
National City (82).
Needles (54)
Nevada City (19)
Newark (47)
Newhall (138)
Norco (138)
Oakland (50)
Oceanside (82)
Ojai (50)
Olancha (51)
Ontario (138)
Oroville (19)
Otay (82)
Oxnard (50)
Palisades (138)•
Palmdale (82,138)
Palo Alto (50)
Palm Springs (82,83)
Parlier (51)
Paso Robles (50)
Petaluma (47)
Point Mugu (50)
Pomona (138)
Porterville (51)
Puente (138)
Quincy (19)
Ramona (82)
Randsburg (51)•(82)•
Ravendale (19)•
Red Bluff (19)
Redding (19)
Reedley (51)•
Rialto (82)
Rice (83)
Riverside (82)
Rosamond (82)
Sacramento (47)
Salinas (47)
Salton Sea (82,83)
San Bernardino (82)
San Carlos (50)
San Clemente Isl. (82)
San Diego (82)
San Fernando (138)
San Francisco (50
San Jose (50)
San Luis Obispo (50)
San Marcos (82)
San Mateo (50)
San Nicolas Isl. (82)
San Pedro (138)
San Rafael (47)
San Ramon (50)
Santa Ana (138)
Santa Barbara (50)
Santa Cruz (47)
Santa Maria (50)
Santa Monica (138)
Santa Paula (50)
Santa Rosa (47)
Santa Susana (138)
Santa Ynez (50)•
Santee (82)
San Ysidro (82)
Saticoy (50)
Sausalito (47)
Secret Valley (19)
Shafter (51)•(20)•
Silver Lake (54)
Sonora (51)
Stockton (47)
Stratford (51)
Susanville (19)
Taft (50,51)
Tehachapi (51,82)
Thermal (83)
Trona (51)
Truckee (19,51)
Tulare (51)
Twentynine Palms (83)
Ukiah (19)
Upper Lake (19)•
Vallejo (47)
Valley Springs (47)
Van Nuys (138)
Vernalis (50)
Victorville (82,138)
Visalia (51)
Walnut Creek (50)
Warm Springs (50)
Warner H. Springs (82)
Watsonville (47)
Weaverville (19)•
Westhaven (51)•
Whitmore (19)
Williams (19)
Willits (19)
Willows (19)
Woodlake (51)
Woodland (47)
Woodville (51)
Yermo (82)

COLORADO

Akron (27)
Alamosa (58)
Alvin (27)
Aurora (138)
Boulder (138)
Burlington (27)•
Canon City (58)
Colorado Springs (58)
Cortez (55)
Craig (26)
Creede (58)
Dacona (27)
Delta (55)
Denver (138)
Dove Creek (55)
Dupont (138)
Durango (55)
Eagle (26)
Englewood (138)
Estes Park (26)
Fairplay (26)•
Flagler (27)
Fort Collins (26)
Fort Morgan (27)
Fountain (58)
Franktown (138)
Glenwood Springs (26)
Granby (26)
Grand Junction (26)
Greeley (27)
Gunnison (58)
Henderson (134)
Holly (59)
Holyoke (27)
Hugo (27)
Julesburg (27)
Kit Carson (59)•
La Junta (58)
Lamar (59)
Las Animas (58)
Limon (27)
Lindon (27)
Longmont (26)
Mancos (55)•
Mecker (26)
Mesita (58)
Monte Vista (58)
Montrose (55)
Ordway (58)•
Pueblo (58)
Rifle (26)

(85) Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Rogers,Ark.(63) Dellflower,Cal.(138) Gustine,Cal.(47) Little River,Cal.(19) Lower Lake,Cal.(47) Mecca,Cal.(83) Manteca,Cal.(47) Morgan Hill,Cal.(47) Norwalk,Cal.(138),San Jacinto,Cal.(82)Tracy,Cal.(47,50) Franklin, Cal.(47) Castaic,Cal.(81,137) Camarillo,Cal.(138) Carpenteria,Cal.(50) Placerville,Cal.(47) Mt. Laguna,Cal.(82,83)Antioch,Cal.(50) Nucla,Colo.(55) Hurtsboro,Ala.(126) Elsinore,Cal.(82) Costa Mesa,Cal.(138) Aston,Colo.(27) Garden Grove,Cal.(138)•

Rocky Ford (58)
Saguache (58)
Salida (58)
Springfield (58)
Sterling (27)
Trinidad (58)
Walden (26)
Walsh (59)
Watkins (138)
Westcliffe (58)
Wray (27)
Yuma (27)

CONNECTICUT

Bethany (43)
Bridgeport (43)
Bristol (43)
Brookfield (43)
Canaan (43)
Danbury (43)
E Hartford (43)
Essex (43)
Groton (43)
Hartford (43)
Meriden (43)
Monroe (43)
New Haven (43)
Plainfield (46)
Plymouth (43)
Putnam (46)
Salem (43)
Simsbury (43)
Somers (43)
Stonington (46)
Wallingford (43)
Waterford (43)
West Haven (43)
Windham (43)
Windsor Locks (43)

DELAWARE

Bridgeville (75)
Dover (75)
Frankford (75)
Georgetown (75)
New Castle (75)
Rehoboth Beach (75)
Seaford (75)*
Wilmington (75)

DIST. OF COL.

Washington (78)

FLORIDA

Altoona (134)*
Apalachicola (130)
Apopka (134)
Arcadia (135)
Avon Park (134)
Banana River (134)
Barberville (134)*
Bartow (134)
Bayard (134)
Belle Glade (135)
Boca Raton (135)
Bostwick (134)
Bradenton (134)
Brooksville (134)
Bryceville (134)
Bushnell (134)
Carrabelle (130)
Cedar Keys (134)*
Chipley (130)
Clarcona (134)
Clearwater (134)
Clewiston (135)
Cocoa (134)
Crestview (127)
Cross City (130)
Daytona Beach(134)
De Funiak Sprgs (127)
De Land (134)
Dunedin (134)
Dunnellon (134)
Ellenton (134)
Eustis (134)
Fernandina (134)
Fort George Isl. (134)
Fort Lauderdale (135)
Fort Myers (135)
Fort Pierce (134)
Gainesville (130,134)
Green Cove Sprgs (134)
Haines City (134)*
Hawthorne (134)
Holley (127)
Hollywood (135)
Holt (127)
Homestead (135)
Immokalee (135)
Jacksonville (134)
Jasper (130)
Keystone Heights (134)
Key West (135)
Kissimmee (134)
Lake Butler (130)
Lake City (130,134)
Lakeland (134)
Lake Wales (134)
Lake Worth (135)
Lantana (135)
Leesburg (134)
Live Oak (130)
Malabar (134)
Marathon (135)
Marianna (130)
Mayport (134)
Melbourne (134)
Miami (135)
Miami Bay Shore (131)
Middleburg (134)
Milton (127)
Minneola (134)
Molino (127)
Monticello (130)*
Naples (135)
New Smyrna (134)
North Tampa (134)
Oakland Park (135)
Ocala (134)
Okeechobee (135)
Orange City (134)
Orlando (134)
Palatka (134)
Panama City (130)
Pensacola (127)
Perry (130)
Pinecastle (134)
Plant City (134)
Pompano (135)
Punta Gorda (135)
Quincy (130)
Richmond (135)
St Augustine (134)
St. Petersburg(134)
Sanford (134)
Sarasota (135)
Sebastian (134)
Sebring (134)
Stock Island (135)
Stuart (135)
Switzerland (134)
Tallahassee (130)
Tampa (134)
Tennile (130)*
Titusville (134)
Valparaiso (127)
Venice (135)
Vero Beach (134)
Wauchula (134)*
West Palm Beach (135)
Williston (130,134)
Wimauma (134)*
Winter Haven (134)
Zephyrhills (134)

GEORGIA

Adel (130)
Albany (126)(130)
Alma (130)
Americus (126)
Athens (126)
Atlanta (126)
Augusta (131)
Bainbridge (130)
Brunswick (131)
Buford (107)
Butler (126)
Camilla (130)
Carrollton (126)
Cartersville (106)
Cedartown (106)
Cochran (126)
Columbus (126)
Cordele (126)
Dalton (106)
Darien (131)
Dawson (126)
Douglas (130)
Dublin (126)
East Point (126)
Elberton (107)
Fairburn (126)
Fitzgerald (126)
Folkston (131)
Gainesville (107)
Glynco (131)
Griffin (126)
Harris Neck (131)
Hinesville (131)
Homerville (130)
Jackson (126)
Jasper (106)
Jefferson (107)
Jonesboro (126)
La Grange (126)
McRae (126)
Macon (126)
Madison (126)
Madras (126)
Marietta (126)(106)
Millen (131)
Milledgeville (126)
Montezuma (126)
Moultrie (130)
Nashville (130)
Newnan (126)
Palmetto (126)
Richmond Hill (131)
Rockmart (106)
Rome (106)
St. Marys (131)
St. Simons Isl (131)
Savannah (131)
Siloam (126)
Smyrna (126)
Statesboro (131)
Stone Mountain (126)
Swainsboro (126)
Sylvania (131)
Tallapoosa (126)
Thomaston (126)
Thomasville (130)
Tifton (130)
Toccoa (107)
Trion (106)
Turner (130)
Valdosta (130)
Vidalia (126)
Warm Springs (126)
Warner-Robins (126)
Washington (126)
Waycross (130)
Winder (107)

IDAHO

Aberdeen (23)
American Falls (23)
Anderson Dam (22)
Arco (23)*
Big Springs (6)*
Boise (22)
Buhl (23)*
Burley (23)
Caldwell (22)
Cascade (3)
Cayuse Creek (3)*
Challis (6)
Coeur d' Alene (3)
Dixie (3)*
Dubois (6)
Eagle (22)
Emmett (22)
Glenns Ferry (22)
Gooding (23)
Grangeville (3)
Hagerman (23)*
Hailey (23)
Idaho Falls (23)
Idahome (23)
Jerome (23)
Kamiah (3)
Kellogg (3)
Knox (3)*
Lake (6)
Lewiston (3)
McCall (3)
Mackay (23)*
Malad City (23)
Montpelier (23)
Mountain Home (22)
Nampa (22)*
Orofino (3)
Paris (23)
Parma (22)
Payette (3)
Pocatello (23)
Preston (23)
Priest River (3)*
Red River H. Sprgs (6)
Rexburg (23)
Richfield (23)
St. Anthony (23)
St Maries (3)
Salmon (6)
Sandpoint (3)
Shoshone (23)
Strevell (23)
Tensed (3)
Twin Falls (23)
Victor (23)*
Weiser (3)

ILLINOIS

Alexander (31)
Alton (142)
Arcola (67)
Armington (67)
Ashburn (34)
Aurora (139)
Beardstown (31)
Belleville (142)
Bensenville (136)
Bloomington (67)
Blue Island (139)
Blue Mound (67)
Bradford (34)
Cairo (103)
Carbondale (67)
Carmi (67)
Carthage (31)
Champaign (67)
Charleston (67)
Chesterfield (31)
Chicago (139)
Chicago Heights (139)
Clinton (67)
Dalton City (67)
Danville (67)
Decatur (67)
De Kalb (34)
Des Plaines (139)
Dixon (34)
Du Quoin (67)
East St. Louis (142)
Effingham (67)
Elgin (34)
Elmhurst (119)
Fairfield (67)
Flatt (31)
Franklin Park (34)
Freeport (34)
Galesburg (31)
Glenview (34)(139)
Grayslake (34)
Harvey (139)
Havana (31)
Highland (67)
Hillsboro (67)
Hinsdale (139)
Homewood (139)
Hoopeston (67)
Jacksonville (31)
Jerseyville (31)
Joliet (139)
Kankakee (34)
La Grange (139)
Lansing (139)
La Salle (34)
Lawrenceville (67)
Lebanon (67)
Lockport (139)
Lombard (139)
Macomb (31)
Marion (67)
Mattoon (67)
Mendota (34)
Moline (31)
Momence (34)
Monmouth (31)
Morris (34)
Mt. Carmel (67)
Mt Vernon (67)
Muddy (67)
Murphysboro (67)
Newark (34)
Northbrook (34)
Oaklawn (139)
Olney (67)
Paris (67)
Pecatonica (34)
Pekin (67)
Peoria (34)(67)
Prairie du Rocher (66)
Princeton (34)
Quincy (31)
Rantoul (67)
Rochester (67)
Rockford (34)
Rochester (67)
Rockford (34)
St. Charles (139)
St. David (31)
St Elmo (67)
Salem (67)
Shelbyville (67)
Sheldon (34)
South Beloit (34)
Springfield (67)
Steger (34)
Sterling (34)
Stockton (34)
Streator (34)
Sycamore (34)
Taylorville (67)
Tinley Park (139)
Tuscola (67)
Urbana (67)
Utica (34)
Vandalia (67)
Van Orin (34)
Warren (34)
Waukegan (34)

INDIANA

Advance (70)
Anderson (70)
Angola (35)
Attica (67)
Auburn (35)
Bargersville (70)
Bedford (70)
Bloomingdale (67)
Bloomington (70)
Bluffton (35)
Brownsburg (70)
Bunker Hill (70)
Cedar Grove (70)
Cedar Lake (34)
Chalmers (35)
Clayton (70)
Columbus (70)
Connersville (70)
Crawfordsville (70)
Crown Point (34)
Culver (35)*
Decatur (35)
Demotte (34)
Elkhart (35)
Elwood (70)
Evansville (67)
Fortville (70)
Fort Wayne (35)
Frankfort (70)
Franklin (70)
French Lick Sprgs(70)
Gary (139)
Goshen (35)
Greencastle (70)
Greenfield (70)
Greensburg (70)
Greenwood (70)
Hobart (139)
Huntingburg (70)
Huntington (35)
Indianapolis (70)
Jeffersonville (70)
Kentland (34)
Kingman (67)
Knox (35)
Kokomo (70)
Lafayette (70)
La Fontaine (35)
Lagoda (70)
Lake Village (34)
Lapel (70)
La Porte (35)
Lawrenceburg (70)
Lebanon (70)
Linton (67)
Lizton (90)
Logansport (35)
Lowell (34)
McCool (139)
Madison (70)
Marion (70)
Medaryville (35)
Michigan City (35)(139)
Milroy (70)
Mishawaka (35)
Monticello (35)
Mooresville (70)
Morgantown (70)
Mount Vernon (67)
Munrie (70)
New Carlisle (35)
New Castle (70)
Noblesville (70)
North Manchester (35)
Notre Dame (35)
Oaktown (67)
Ockley (70)
Orleans (70)
Perrysville (67)
Peru (35)
Plainfield (70)
Plymouth (35)
Portland (70)
Ramsey (70)
Rensselaer (34)
Richland (67)
Richmond (70)
Rochester (35)
Rushville (70)
Salem (70)
Scottsburg (70)
Selma (70)
Seymour (70)
Shelbyville (70)
Sheridan (70)
Shoals (70)
South Bend (35)
Terre Haute (67)
Valparaiso (139)
Vevay (70)
Vincennes (67)
Wabash (35)
Warsaw (35)
Washington (67)
Wellsboro (35)
West Lebanon (67)
Winchester (70)
Yorktown (70)
Zionsville (70)

IOWA

Adair (31)
Algona (31)
Anita (31)
Ames (31)
Armstrong (31)
Atlantic (30)
Audubon (30)
Bellevue (31)
Burlington (31)
California (30)
Carroll (31)
Cedar Rapids (31)
Centerville (31)
Chariton (31)
Cherokee (30)
Clarinda (30)
Clarion (31)
Clermont (31)
Clinton (31)
Columbus Jct (31)
Conrad (31)
Council Bluffs (30)
Creston (31)*
Davenport (31)
Decorah (31)
Denison (30)
Des Moines (31)
Dows (31)
Dubuque (31)
Dyersville (31)
Earlham (31)
Eldora (31)
Emmetsburg (31)
Estherville (31)
Fiscus (30)
Floyd (31)
Fort Dodge (31)
Glenwood (30)
Grimes (31)
Grinnell (31)
Grand Mound (31)
Grundy Center (31)
Guthrie Center (31)
Hancock (30)
Harlan (30)
Ida Grove (30)
Iowa City (31)
Iowa Falls (31)
Jefferson (31)
Keokuk (31)
Lake City (31)
Lamoni (31)
Le Mars (30)
Leon (31)
Lucas (31)
Manning (30)
Marshalltown (31)
Mason City (31)
Mechanicsville (31)
Melbourne (31)
Milford (30)
Missouri Valley (30)
Moneta (30)
Monroe (31)
Montezuma (31)
Mt. Ary (31)
Mt. Pleasant (31)
Muscatine (31)
Newton (31)
Ocheydean (30)
Onawa (30)
Ottumwa (31)
Pella (31)
Perry (31)
Pocahontas (31)
Randolph (30)*
Red Oak (30)
Rock Rapids (30)
Sac City (31)
Seymour (31)
Sheldon (30)
Sioux City (30)
Sloan (30)
Spencer (30)
Spirit Lake (30)
Storm Lake (30)
Strawberry Point (31)
Stuart (31)
Sutherland (30)
Traer (31)
Washington (31)
Waterloo (31)
Webster City (31)
Wesley (31)

KANSAS

Abilene (62)
Anthony (62)
Arkansas City (62)
Ashland (59)
Atwood (27)
Augusta (62)
Belleville (30)
Beloit (30)
Bern (30)
Brewster (27)
Caldwell (62)
Cassoday (62)
Cedar Point (62)
Chanute (63)
Clay Center (30)
Coffeyville (63)
Colby (27)
Coldwater (59)
Concordia (30)
Derby (62)
De Soto (31)
Dodge City (59)
Downs (30)
Edwardsville (31)
El Dorado (62)
Ellinwood (62)
Emporia (62)
Eureka (62)
Ft. Leavenworth (31)
Ft. Riley (30)
Fort Scott (63)
Garden City (59)
Gardner (63)*
Garnett (63)*
Girard (63)
Goodland (27)
Great Bend (59,62)
Greensburg (59)
Hays (59)
Hazelton (62)
Herington (62)
Hiawatha (30)
Hoisington (62)
Holton (30)
Holyrood (62)
Hutchinson (62)
Independence (63)
Iola (63)
Johnson (59)
Kansas City (31)
Kechi (62)
Kingman (62)
Kinsley (59)
Kiowa (62)
Lakin (59)
Larkinburg (30)
Larned (59)
Lawrence (30)
Leavenworth (31)
Lebo (63)
Lenora (27)*
Liberal (59)
Lyons (62)
McPherson (62)
Manhattan (30)
Mankato (30)
Marion (62)
Meade (59)

(85)-Page number of chart on which these locales are inscribed. *-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Casey,Ill.(67) Flora,Ill (67) Nashville,Ill (67) Roanoke,Ill(34) Charlestown,Ind (67) Cynthiana,Ind.(67) Danville,Ind (70) Dyer, Ind.(139) Martinsville,Ind (70) Dunlap,Ia.(30) Elkader,Ia.(31) Independence,Ia.(31) Earlville,Ill.(34) Oskaloosa,Ia (31) Shenandoah,Ia ,30)Winterset,Ia.(31) Garner,Ia.(31) Woodbury,Ga.(126) Horace,Ill (67) Atchison,Kans.(30) Mulberry, Ind.(70) Fredonia,Kans.(63) Lone Tree, Ia.(31) Silver Cliff,Colo.(58) Johnsburg,Ill.(34) Riceville,Ia.(31) Madison,Conn.(43) Lenexa,Kans.(63) Harrington,Del.(75) Winter Park,Fla.(134) Fairfield,Idaho(23) Hayfield,Idaho(23)

Medicine Lodge (62)
Moundridge (62)
Newton (62)
Norton (30)
Oberlin (27)
Olathe (63)
Ottawa (63)
Oxford (62)
Paola (63)
Parsons (63)
Phillipsburg (30)
Pittsburg (63)
Plains (59)
Pratt (62)
Russell (59)
St. Francis (27)
Salina (62)
Satanta (59)
Scott City (59)
Sedan (62)
Seneca (30)
Sharon Springs (59)
Smith Center (30)
Stafford (62)
Summerfield (30)
Syracuse (59)
Topeka (30,63)
Towanda (62)
Viola (62)
Wakefield (30)
Wellington (62)
Wellsville (63)
Wichita (62)
Winfield (62)

KENTUCKY

Ashland (71)
Bowling Green (106)
Covington (70)
Danville (70)
Eastwood (70)
Fort Knox (70)
Frankfort (70)
Glendale (70)
Hopkinsville (103)
Lexington (70)
London (107)
Louisville (70)
Madisonville (67)
Mayfield (103)
Maysville (71)
Middlesboro (107)
Owensboro (67)
Paducah (103)
Paris (70)
Russell (71)
Shelbyville (70)
Shepherdsville (70)
Somerset (106)
Sturgis (67)
Sulphur (70)
Union (70)
Warsaw (70)

LOUISIANA

Alexandria (119,122)
Arcadia (99)
Barataria (122)
Bastrop (99)
Baton Rouge (122)
Bogalusa (122)
Camp Polk (119)
Covington (122)
Crowley (119)
Delhi (102)
De Quincy (119)*
De Ridder (119)
Dixie (99)
Donaldsonville (122)
Eunice (122)
Ferriday (122)
Gilbert (122)
Grand Isle (122)*
Hammond (122)
Hodge (119)
Houma (122)
Jennings (119)
Lafayette (122)
Lake Charles (119)
La Place (122)
Leesville (119)
Madisonville (122)
Mansfield (119)
Many (119)*
Minden (99)
Monroe (102)
Natchitoches (119)
Newellton (122)
New Iberia (122)
New Orleans (122)
New Roads (122)
Oakdale (119)*
Opelousas (122)
Patterson (122)
Pollock (119)
Ruston (102)
St. Joseph (122)
Shreveport (99)

Tallulah (102)

Winnfield (119)
Winnsboro (122)

MAINE

Andover (18)*
Auburn (18)
Augusta (18)
Bangor (18)
Bar Harbor (18)

Belfast (18)
Bethel (18)
Biddeford (46)

Bowdoinham (46)
Brewer (18)
Brunswick (46)
Caribou (18)
Deblois (18)
Dexter (18)

East Corinth (18)
Eastport (18)
Farmington (18)
Freeport (46)
Fryeburg (18)
Greenville (18)

Houlton (18)
Kennebunk (46)
LaGrange (18)
Lewiston (18)
Limestone (18)
Madison (18)*
Millinocket (18)
Minot (18)

Newport (18)
Norridgewock (18)
Norway (18)
Old Town (18)
Phillips (18)
Pittsfield (18)
Pittston (18)

Portland (46)
Presque Isle (18)
Princeton (18)
Rangeley (18)
Rockland (18)
Sanford (46)
Scarboro (46)

Skowhegan (18)
South Portland (46)
Turner (18)
Waterville (18)
West Buxton (46)
Winterport (18)

Yarmouth (46)

MARYLAND

Aberdeen (75)
Annapolis (75)
Baltimore (75)
Bellsville (78)
Berwyn (78)
Brandywine (78)*
Camp Springs (78)
Churchville (75)
Clinton (78)
College Park (78)
Croom (78)
Cumberland (74)
Doncaster (78)
Easton (75)
Edgewood Arsenal (75)
Fort Meade (78)
Frederick (75)
Glenburnie (75)
Greenbelt (78)
Hagerstown (75)
Hyattsville (78)
Meekins Neck (75)
Ocean City (75)
Patuxent River (75)
Piney Point (75)
Pomonkey (78)
Priest Point (75)
Riverdale (78)
Rock Hall (75)
Rockville (78)
Salisbury (75)
Shady Side (75)*
Taneytown (75)
Westminster (75)
Worton (75)

MASSACHUSETTS

Adams (43)
Agawam (43)
Auburn (46)
Ayer (46)
Bedford (46)
Beverly (46)
Billerica (46)
Boston (46)
Brant Rock (46)
Brockton (46)
Brookfield (43)
Canton (46)
Chatham (46)
Chicopee Falls (43)
Clinton (46)
Dracut (46)
East Brookfield (43)
Easton (46)
Edgartown (46)
Everett (46)

Falmouth (46)
Fitchburg (46)
Franklin (46)
Gardner (43)

Great Barrington (43)
Groton (46)
Haverhill (46)

Hyannis (46)
Lawrence (46)
Leicester (46)

Mansfield (46)
Marlboro (46)
Mendon (46)

Montague (43)
Myricks (46)
Nantucket Island (46)
New Bedford (46)

Newburyport (46)
Norfolk (46)
North Adams (43)
Northampton (43)
North Attleboro (46)
North Grafton (46)
Norwood (46)
Oak Bluffs (46)
Orange (43)
Orleans (46)
Palmer (43)
Peabody (46)
Pittsfield (43)
Plymouth (46)
Revere (46)

Seekonk (46)
South Boston (46)
Southbridge (43)
South Easton (46)
South Weymouth (46)
Spencer (46)
Springfield (43)
Squantum (46)

Taunton (46)
Vineyard Haven (46)
Wareham (46)*
West Barnstable (46)
Westboro (46)
Westfield (43)
West Springfield (43)
Williamstown (43)
Worcester (46)

MICHIGAN

Adrian (35)

Allegan (35)
Alma (35)
Alpena (15)
Amasa (15)*
Ann Arbor (38)
Armada (38)
Atlanta (15)
AuGres (15)*
Baldwin (15)*
Bangor (35)
Battle Creek (35)
Bay City (38)
Belding (35)
Bellaire (15)*
Benton Harbor (35)
Big Beaver (38)
Big Lake (15)*
Big Rapids (35)
Birmingham (38)
Blaney (15)
Breedsville (35)
Cadillac (15)
Calumet (15)
Caro (38)
Centerville (35)*
Charlevoix (15)
Charlotte (35)
Clare (15)*
Clio (38)
Coldwater (35)
Croswell (38)
Crystal Falls (15)
Davison (38)
Detroit (38)
Douglas (35)
Dowagiac (35)
East Jordan (15)*
Elsie (35)
Escanaba (15)
Farmington (38)
Flint (38)
Fostoria (38)
Frankfort (15)
Fraser (38)
Gaylord (15)
Gladwin (15)
Grand Ledge (35)
Grand Rapids (35)
Grayling (15)
Greenville (35)
Harbor Beach (15)*
Harrison (15)*
Hartford (35)
Hastings (35)
Hillman (15)
Hillsdale (35)
Holland (35)
Houghton (15)
Houghton Heights (15)
Howell (38)
Indian River (15)*
Ionia (35)
Iron Mountain (15)
Ironwood (14)
Ishpeming (15)*
Ithaca (35)
Jackson (35)
Kalamazoo (35)
Kalkaska (15)*
Kinross (15)
Lakeview (35)
Lansing (35)
Lapeer (38)
Lawton (35)
Loretto (15)*
Ludington (15)
Mackinaw City (15)*
Manistee (15)
Manistique (15)*
Marenisco (15)*
Marquette (15)
Marshall (35)
Mason (35)
Menominee (15)
Midland (35)
Milan (38)
Mio (15)*
Mt. Clemens (38)
Mt. Pleasant (35)
Munising (15)*
Muskegon (35)
Newaygo (35)
Newberry (15)*
Newport (38)
Niles (35)

Norway (15)
Onaway (15)*
Oscoda (15)
Owosso (35)
Perlston (15)
Petoskey (15)*
Plymouth (38)
Pontiac (38)
Port Huron (38)
Prudenville (15)*
Raco (15)
Rexton (15)*
Rogers City (15)
Romulus (38)
Roscommon (15)*
Roseville (38)
Rothbury (35)
Saginaw (35,38)
St. Helen (15)
St. Ignace (15)
St. James (15)*
Saline (38)
Sault Ste. Marie (15)
Sidnaw (15)*
South Branch (15)
South Haven (35)
Sparta (35)
Sturgis (35)
Tecumseh (38)
Three Rivers (35)
Traverse City (15)

Utica (38)
Warren (38)
Watersmeet (15)*
Wayne (38)
West Branch (15)
White Cloud (35)*
Whitmore Lake (38)
Wildwood (15)
Wixom (38)
Wyandotte (38)
Ypsilanti (38)

MINNESOTA

Aitkin (14)
Albert Lea (31)
Alexandria (11)
Amboy (31)
Anoka (14)
Appleton (11)
Austin (31)
Barnesville (11)
Baudette (14)
Bemidji (14)
Benson (11)
Blue Earth (31)
Brainerd (14)
Cokato (14)
Coleraine (14)
Crookston (11)
Detroit Lakes (11)
Dodge Center (14)
Duluth (14)
Ely (14)
Fairmont (31)
Faribault (14)
Fergus Falls (11)
Frontenac (14)
Graceville (11)
Grand Rapids (14)
Hamel (14)
Hastings (14)
Hector (14)
Hibbing (14)
Jordan (14)
Kenyon (14)
Lake City (14)

Le Sueur (14)
Little Falls (14)
Littlefork (14)
Litchfield (14)
Luverne (30)
Madison (11)
Mankato (14)

Marshall (11)
Mayer (14)*
Minneapolis (14)
Montevideo (11)
Monticello (14)
Morris (11)
New Brighton (14)
Nisswa (14)
New Ulm (14)
Ortonville (11)
Osseo (14)
Park Rapids (11)
Pipestone (30)
Princeton (14)
Redwood Falls (11)
Robbinsdale (14)
Rochester (31)
St. Cloud (14)
St. Paul (14)
St. Peter (14)
Sherburn (31)
South St. Paul (14)
Stanton (14)
Taylor Falls (14)
Thief River Falls (11)
Tofte (14)
Triumph (31)
Virginia (14)
Wadena (11)
Waseca (14)
Westbrook (11)
White Bear Lake (14)
Willmar (11)
Winona (14)
Worthington (30)

MISSISSIPPI

Aberdeen (123)
Batesville (102)
Biloxi (127)
Brookhaven (122)
Canton (102)*
Clarksdale (102)
Cleveland (102)
Columbus (123)
Corinth (103)
Ellisville (127)*
Eupora (123)
Flora (102)
Forest (123)
Glen Allan (102)
Greenville (102)
Greenwood (102)
Grenada (123)
Gulfport (127)
Hattiesburg (127)
Heads (102)*
Houston (123)
Jackson (122)(102)
Laurel (123)
Leland (102)
McComb (122)
McLaurin (127)
Marks (102)
Meridian (123)
Moorhead (102)
Natchez (122)
Nesbitt (102)
Newton (123)*
Oxford (103)
Pascagoula (127)
Pelahatchee (123)
Picayune (127)
Rockport (122)
Starkville (123)
Tupelo (103)
Tylertown (122)
Vicksburg (102)
Walls (102)
Winona (123)
Yazoo (102)
Yokena (122)
Zeiglerville (102)

MISSOURI

Advance (103)
Bethany (31)
Bolivar (63)
Boonville (66)
Bowling Green (31)
Branson (63)*
Brookfield (31)
Butler (63)
Cameron (31)
Campbell (66)
Cape Girardeau (103)
Carthage (63)
Cassville (63)
Chillicothe (31)
Clinton (63)
Columbia (66)
Craig (30)
Diamond (63)
Ellisville (142)
Excelsior Spgs. (31)
Farmington (66)
Fayette (31)
Fenton (142)
Festus (66)
Fulton (66)
Garden City (63)
Grant City (31)
Gravois Mills (66)*
Hannibal (31)
Harrisonville (63)
Houston (66)
Iberia (66)
Independence (31)
Jefferson City (66)
Joplin (63)
Kansas City (31,63)
Kennett (66)
Kirksville (31)
Kirkwood (142)
Knobnoster (63)
Lebanon (66)
Lexington (31)
Linkville (31)
Luray (31)
McBride (67)
Machens (142)*
Malden (103)
Marceline (31)
Marshall (31)
Marysville (31)
Mexico (31)
Moberly (31)
Monett (63)
Neosho (63)
Nevada (63)
New Florence (66)
Osborn (31)
Poplar Bluff (66)
Rolla (66)
St. Charles (142)
St. Joseph (31)
St. Louis (142)
St. Peters (66)
Savannah (31)
Sedalia (63)
Sikeston (103)*
Slater (31)
Spanish Lake (66,142)
Springfield (63)
Tarkio (30)
Trenton (31)
Unionville (31)
Valley Park (142)
Versailles (66)
Vichy (66)
Warrensburg (63)
West Plains (66)
Windsor (63)

MONTANA

Alberton (6)
Baker (10)
Belt (6)
Big Timber (7)
Billings (7)
Birney (7)*
Bozeman (6)
Butte (6)
Cascade (6)
Chester (6)
Chinook (7)*
Choteau (6)
Circle (7)
Columbus (7)
Conrad (6)
Custer (7)
Cut Bank (6)
Deer Lodge (6)
Dell (6)
Denton (7)
Dillon (6)
Drummond (6)
Ennis (6)*
Eureka (3)
Flathead (6)*
Forsyth (7)
Fort Benton (6)
Fort Peck (7)
Gates Park (6)*
Geraldine (6)
Geyser (6)
Glasgow (7)
Glendive (10)
Great Falls (6)
Gregson (6)
Hamilton (6)
Hardin (7)*
Harlem (7)
Harlowton (7)
Havre (7)

(85)-Page number of chart on which these locales are inscribed. *-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Flat Rock, Mich (38) Waldo, Kans. (30) Stanley, Kans. (63) Eaton Rapids, Mich. (35) Charleston, Mo. (103) Gallatin, Mo. (31) Gardiner, Mont. (6) Louisville, Miss. (123) North Brookfield, Mass. (43) Owatonna, Minn. (14) Galesburg, Mich. (35) Henderson, Ky. (67) Essex, Mass. (46) Cabool, Mo. (66) Morland, Kans. (27) Florence, Miss. (122) Flushing, Mich. (38)

Helena (8)
Homestake (6)
Hot Springs (6)•
Huson (6)•
Ingomar (7)•
Jordan (7)•
Kalispell (6)
Lavina (7)
Lewistown (7)
Libby (3)
Livingston (6)
McDonald Pass (6)
Malta (7)
Mildred (7)
Miles City (7)
Missoula (6)
Mullan Pass (3)
Nibbe (7)
Park City (7)
Plains (6)
Plentywood (10)
Polesbridge (6)
Polson (6)
Poplar (7)•
Rapelje (7)
Red Lodge (7)•
Roundup (7)•
St. Xavier (7)
Scobey (7)
Seeley Lake (6)•
Shelby (6)
Sheridan (7)
Sidney (10)
Stanford (6)
Stevensville (6)
Superior (6)
Tampico (7)
Thompson Falls (3)
Townsend (6)
Troy (6)•
Twin Bridges (6)
Valier (6)
Vida (7)
West Yellowstone (6)
Whitehall (6)
White Sulphur Spgs.
Whitetail (6)
Winston (6)
Wolf Point (7)

NEBRASKA

Ainsworth (30)
Alliance (27)
Atkinson (30)
Auburn (30)
Bayard (27)
Beatrice (30)
Beaver City (30)
Benkelman (27)
Big Springs (27)
Blair (30)
Brainard (30)
Broken Bow (30)
Bruning (30)
Chadron (27)
Chappell (27)
Clay Center (30)
Columbus (30)
Cozad (30)
Crawford (27)
Crete (30)
David City (30)
Decatur (30)
Elgin (30)
Fairbury (30)
Falls City (30)
Fort Robinson (27)
Fremont (30)
Geneva (30)
Gordon (27)
Grand Island (30)
Harvard (30)
Hastings (30)
Hayes Center (27)
Hay Springs (27)
Hebron (30)
Holdrege (30)
Humboldt (30)
Imperial (27)
Kearney (30)
Lexington (30)
Lincoln (30)
Lorenzo (27)
McCook (27)
Mead (30)
Mitchell (27)
Norfolk (30)
North Platte (27)
Ogallala (27)
Ohiowa (30)
Omaha (30)
Oshkosh (27)
Overton (30)
Pender (30)
Rushville (27)•
Scottsbluff (27)
Scribner (30)
Seneca (27)
Sidney (27)
Tecumseh (30)
Valentine (27)•
Wayne (30)
Weeping Water (30)

NEVADA

Alamo (54)•
Austin (22,51)
Battle Mountain (22)
Boulder City (54)
Buffalo Valley (22)
Caliente (54)
Carlin (22)
Carson City (51)(22)
Crystal (54)
Deeth (22)
Elko (22)
Ely (23)
Fallon (51) (22)
Fernley (51) (22)
Gabbs (51)
Hawthorne (51)
Humboldt (22)
Indian Springs (54)
Las Vegas (54)
Lovelock (22,51)
Manhattan (51)•
Minden (51)
Mormon Mesa (54)
Orovada (22)•
Owyhee (22)
Reno (51)(22)
Scottys (51)
Searchlight (54)•
Smith (51)
Sparks (22,51)
Tonopah (51)
Ventosa (23)
Wadsworth (22)
Wells (23)
Winnemucca (22)
Yerington (51) (22)

NEW HAMPSHIRE

Berlin (18)
Boscawen (46)
Claremont (43)
Concord (46)
Haverhill (18)
Hampton (46)
Hinsdale (43)
Hooksett (46)
Keene (43)

Lancaster (18)
Laconia (46)
Lebanon (43)
Littleton (18)
Manchester (46)
Nashua (46)
Newport (43)
North Conway (18)
Plymouth (46)
Portsmouth (46)
Sommersworth (46)

Twin Mountain (18)
Whitefield (18)
Wolfeboro (46)

NEW JERSEY

Adamston (79)•
Almonesson (78)
Andover (79)
Asbury Park (79)
Ashland (78)
Atlantic City (79)
Auburn (75)
Barrington (78)
Basking Ridge (79)
Belmar (79)
Belvidere (42)
Bendix (79)
Blairstown (42,79)
Boonton (79)
Bridgeport (78)
Bridgeton (75)
Burlington (78)
Caldwell (79)
Camden (78)
Cape May (79)
Cassville (79)
Chatsworth (79)•
Clarksville (79)
Clinton (79)
Elizabeth (79)
Forked River (79)
Freehold (79)
Glassboro (78)
Greenwich (75)
Hackettstown (79)
Hightstown (79)
Keyport (79)•
Lakehurst (79)
Landisville (79)
Lebanon (79)
Lincoln Park (79)

Metuchen (79)
Millville (75)
Moorestown (78)
Morristown (79)
Newark (79)
New Brunswick (79)
North Brunswick (79)
Ocean City (79)•
Paterson (79)
Pennington (79)
Penns Grove (75)

Pitman (78)
Pittstown (75)
Princeton (79)
Rahway (79)
Readington (79)
Red Bank (79)
Richland (79)

Salem (75)

Sussex (43)
Trenton (78) (79)
Vineland (75)
Wildwood (79)
Woodbine (79)
Woodbridge (79)
Wrightstown (79)

NEW MEXICO

Acomita (55)
Alamogordo (90) (87)
Albuquerque (58)
Anton Chico (58)
Artesia (90)
Aztec (55)•
Belen (58)
Berino (87)
Carlsbad (90)
Cartizozo (90)
Clayton (58)
Clovis (58)
Columbus (87)
Cubero (55)•
Cuervo (58)
Deming (87)
Dora (90)
Eagle Nest (58)•
El Morro (55)
Engle (87)
Farmington (55)
Fort Sumner (58)
Gallup (55)
Hachita (87)
Harrington Ranch (87)
Hobbs (91)
Hot Springs (87)
Hurley (87)
Jal (91)
Juan Tomas (58)
Las Cruces (87)
Las Vegas (58)
Lordsburg (86)
Lovington (90)
Magdalena (58)
Maxwell (58)•
Mesilla Park (87)
Milnesand (90)
Mountainair (58)
Mount Riley (87)
Otto (58)
Peralta (58)
Portales (58)
Raton (58)

Rodeo (86)
Roswell (90)
Roy (58)•
Ruidoso (90)
Santa Fe (58)

Shiprock (55)•
Silver City (87)
Strauss (87)
Taos (58)
Tucumcari (58)
Tularosa (87)•
Wagon Mound (58)

NEW YORK

Accord (43)
Albany (43)

Amityville (79)
Angola (39)
Amsterdam (43)
Arcade (39)
Armonk (43)
Auburn (42)
Auriesville (43)

Ballston Spa (43)
Batavia (39)
Bayport (79)•
Bedford (43)•
Beekman (43)
Bethpage (79)
Billings (43)
Binghamton (42)
Blasdell (39)
Boonville (42)
Brentwood (79)•
Buffalo (39)
Cairo (43)
Canastota (42)
Carlisle (43)
Carthage (42)
Catskill (43)
Cheektowaga (39)
Cicero (42)
Clarence (39)
Clason's Point (79)
Colonie (43)
Cooperstown (43)
Cortland (42)
Dansville (42)
Deer Park (79)•
Delanson (43)
Depew (39)

Dunkirk (39)

East Amherst (39)
East Greenbush (43)
East Hampton (43,79)
East Pembroke (39)
Edgemere (79)
Elmira (42)
Endicott (42)
Falconer (39)
Farmingdale (79)
Fisher's Island (43)
Flatbush (79)
Flushing (79)
Fort Plain (43)
Fredonia (39)
Fulton (42)
Gardenville (39)
Geneva (42)
Getzville (39)
Glens Falls (43)
Gloversville (43)
Gowanda (39)
Great Bend (18)
Greenridge (79)
Halcott Center (43)
Hamburg (39)
Hamilton (42)
Hammondsport (42)
Hancock (42)•
Hempstead (79)
Herkimer (43)
Hicksville (79)
Hilton (42)
Honeoye Falls (42)
Hornell (42)
Horseheads (42)
Idlewild (79)
Islip (79)
Ithaca (42)
Jamestown (39)
Johnstown (43)
Keene (18)•
Keeseville (18)
Kingston (43)
Kirkville (42)

Lake Placid (18)
Lancaster (39)
Lockport (39)
Malone (18)
Margaretville (43)
Massapequa (79)
Massena (18)
Mastic (79)
Mattituck (43,79)
Medina (39)
Medway (43)
Mexico (42)
Middleburg (43)
Middletown (43)
Mineola (79)
Minoa (42)

Montgomery (43)
Monticello (43)
Montour Falls (42)
Moravia (42)
Narrowsburg (43)
Newark (42)
New Baltimore (43)
Newburgh (43)
New City (43)
New Hackensack (43)
New Springville (79)
New York (79)
Niagara Falls (39)

North Tonawanda (39)
Northville (43)
Norwich (42)
Nyack (43)
Ogdensburg (18)
Olcott (39)
Olean (39)
Oneonta (42)

Owasco (42)•

Painted Post (42)
Palmyra (42)
Penn Yan (42)
Perry (39)
Piseco (43)
Pittsford (42)
Plattsburg (18)
Port Chester (79)
Port Jervis (43)

Potsdam (18)
Pulaski (42)
Ravena (43)
Red Creek (42)
Rexford (43)
Rhinebeck (43)
Richland (42)
Richmondville (42)
Ripley (39)
Rochester (42)
Rockaway Park (79)
Rome (42)

Salamanca (39)
Saranac Lake (18)
Saratoga Springs (43)
Sayville (79)•
Schenectady (43)
Schuylerville (43)
Scottsville (42)
Selkirk (43)•
Seneca Falls (42)
Sidney (42)
Silver Creek (39)
Silver Springs (39)
Somers (43)
Springville (39)

Stormville (43)
Syracuse (42)
Ticonderoga (43)
Tonawanda (39)
Travis (79)•
Troy (43)
Tupper Lake (18)•
Utica (42)
Valley Stream (79)
Walden (43)
Walkill (43)
Wappingers Falls (43)
Warwick (43)
Watertown (42)(18)•
Wellsville (42)
Westfield (39)•
Westhampton Beach (43,79)
Westport (18)
White Plains (43)

Whitesville (42)
Williamsville (39)
Wingdale (43)
Wolcottsville (39)
Wurtsboro (43)

NORTH CAROLINA

Aberdeen (110)
Albermarle (110)
Asheboro (110)
Asheville (107)
Atlantic (111)
Aydlette (111)
Barco (111)
Beaufort (111)
Belmont (110)
Black Mountain (107)
Bogue (111)
Burgaw (111)
Burlington (110)
Candor (110)•
Carolina Beach (111)
Chapel Hill (110)
Charlotte (110)
Cherry Point (111)
Clinton (111)
Concord (110)
Derita (110)
Draper (110)
Durham (110)
Eagle Springs (110)
Edenton (111)
Elizabeth City (111)
Elkin (110)
Erwin (110)
Fayetteville (110)
Fort Bragg (110)
Franklin (107)
Gastonia (110)
Gibsonville (110)
Goldsboro (111)
Greensboro (110)
Greenville (111)
Henderson (111)
Hendersonville (107)
Hickory (110)
High Point (110)
Hoffman (110)
Jacksonville (111)•
Jonesville (110)
Kannapolis (110)
Kings Mountain (110)
Kinston (111)
Lillington (110)
Lincolnton (110)
Louisburg (111)
Lumberton (110)
Manteo (111)
Marion (107)
Maxton (110)
Mayodan (110)
Mocksville (110)
Monroe (110)
Morganton (107)
Mt. Airy (110)
Mt. Olive (111)
New Bern (111)
New River (111)
North Wilkesboro (110)
Oxford (110)
Pinehurst (110)
Polloksville (111)
Raleigh (110)
Red Springs (110)
Reidsville (110)
Roanoke Rapids (111)
Rockingham (110)
Rocky Mount (111)
Roxboro (110)
Salisbury (110)
Sanford (110)
Selma (111)
Shelby (107)
Southern Pines (110)
South Mills (111)
Spindale (107)
Statesville (110)
Sylva (107)
Tarboro (111)
Wadesboro (110)
Wallace (111)
Warrenton (111)
Washington (111).
Weeksville (111)
West Jefferson (107)
Whiteville (110)
Wilmington (111)
Wilson (111)
Winston-Salem (110)
Yanceyville (110)
Zebulon (111)

NORTH DAKOTA

Abercrombie (11)
Ashley (11)
Beach (10)
Bismarck (10)
Bowman (10)
Cando (11)
Carrington (11)
Crosby (10)
Dawson (11)
Devils Lake (11)
Dickinson (10)
Driscoll (10)
Dunseith (10)•
Fargo (11)
Fessenden (11)
Glen Ullin (10)
Golva (10)
Grand Forks (11)
Harvey (11)
Jamestown (11)
Judson (10)
Killdeer (10)
Langdon (11)
Lisbon (11)
Minot (10)
Mohall (10)
Mott (10)
New England (10)
New Rockford (11)
Parshall (10)
Pembina (11)
Rhame (10)
Rolla (11)
Rugby (10)
Towner (10)
Valley City (11)
Wahpeton (11)
Washburn (10)
Watford (10)
West Fargo (11)
Wheatland (11)
Williston (10)
Wyndmere (11)

OHIO

Akron (38)
Alliance (38)
Amanda (71)•
Archbold (35)
Ashland (38)
Ashtabula (39)
Athens (71)
Avon Lake (38)
Barberton (38)
Bedford (139)
Bowling Green (38)
Brecksville (38)
Brookfield (39)
Bucyrus (38)
Cambridge (71)
Canton (38)
Chagrin Falls (139)
Chardon (139)
Cherry Fork (71)
Chesapeake (71)
Chillicothe (71)
Cincinnati (70)
Cleveland (139)
Coldwater (70)
Columbus (71)
Conneaut (39)
Crooksville (71)
Dayton (70)
Defiance (35)
E. Liverpool (38)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line

West Point,Nebr.(30) Somerville,N.J.(79) Socorro,N.M.(58) Rushville,N.Y.(42) Goodsprings,Nev.(54) Genoa,Nev (51) East Hanover,N.J.(79) Marlton,N.J.(78)Commack,N.Y.(79) New Paltz,N.Y.(43)Moore,Mont.(7) Ord,Nebr.(30)Julian,N.C.(110) Lakewood,N.J.(79) Livingston Manor, N.Y.(43) Millerton,N.Y.(43)Poughkeepsie,N.Y.(43)Potter,Nebr.(27) Schuyler,Neb.(30) Newton,N.C.(110)Gothenburg,Nebr(27)Bryan,Ohio(35) Peekskill,N.Y.(43) Siler City,N.C.(110) Lexington,N.C.(110) Laurinburg,N.C.(110) Thomasville,N.C.(110) Raeford,N.C.(110)Hettinger,N.D.(10)Portal,N.D.(10)

Elyria (139)
Fairfield (70)
Findlay (38)
Fremont (38)
Fostoria (38)
Galion (38)
Gallipolis (71)•
Greenford (39)
Greenville (70)
Grove City (71)
Hamilton (70)
Harrison (70)•
Hayesville (38)
Hicksville (35)
Hilliard (71)
Homerville (38)
Hudson (139)
Jackson (71)
Johnsville (70)
Kellys Island (38)•
Kent (38)
Kenton (71)
Lancaster (71)
Lebanon (70)•
LeRoy (38)
Lewisburg (70)
Lima (35)
Lorain (139)
Loveland (70)
Magnolia (71)
Mansfield (38)
Marietta (71)
Marion (71)
Mason (70)
Massillon (38)
Medina (38)
Middletown (70)
Minford (71)
Montezuma (70)
Morrow (70)•
Mt. Liberty (71)
Mt. Orab (71)
Mt. Vernon (71)
Nevada (38)
Newark (71)
New Holland (71)
New Paris (70)
New Philadelphia (71)
North Benton (38)
Northfield (139)
North Royalton (38)
Norwalk (38)
Oxford (70)
Paulding (35)
Perry (38)
Piqua (70)
Port Clinton (38)
Portsmouth (71)
Put-In-Bay (38)
Rushsylvania (71)•
Sandusky (38)
Sharonville (70)
Sidney (70)
Solon (139)
Springfield (71)
Summit Station (71)
Tiffin (38)
Tiltonsville (74)•
Toledo (38)
Toronto (74)
Troy (70)
Urbana (71)
Vandalia (70)•
Van Wert (35)
Vermilion (139)
Verona (70)
Warren (39)
Washington (71)
Watertown (71)
Wauseon (35)
Wellington (38)
Willard (38)
Williamsfield (39)
Willoughby (139)
Wilmington (71)
Woodsfield (71)•
Wooster (38)
Youngstown (39)
Zaleski (71)•
Zanesville (71)
Wapakoneta (70)

OKLAHOMA

Ada (95)
Afton (63)
Altus (94)
Anadarko (98)
Antlers (95)
Alva (62)
Ardmore (95)
Atoka (95)
Bartlesville (62)
Blackwell (62)
Boise City (59)
Buffalo (59)
Calumet (98)
Carnegie (94)
Cherokee (62)
Cheyenne (94)
Chickasha (98)
Claremore (63)
Clinton (94)
Cordell (94)
Cushing (62)
Delhi (94)
Dill (94)
Duncan (95)
Durant (95)
Edmond (62)
Elk City (94)
El Reno (98)
Enid (62)
Erick (94)
Fort Cobb (98)
Frederick (94)
Gage (59)
Geary (98)
Grandfield (94)
Guthrie (62)
Guymon (59)
Heavener (99)•
Hobart (94)
Holdenville (95)
Hollis (94)
Hugo (99)
Idabel (99)
Jefferson (62)
Jet (62)
Kingfisher (62)
Lamont (62)
Langston (62)
Lawton (94,95)
Lexington (98)
McAlester (95)
Mangum (94)
Marietta (95)
Marlow (95)
Miami (63)
Moore (98)
Moseley (63)
Muskogee (99) (63)
Nashoba (99)•
Newalla (95)
Newkirk (62)
Norman (98)
Nowata (63)
Oklahoma City (95,98)
Okmulgee (95)
Pauls Valley (95)
Pawhuska (62)
Perry (62)
Picher (63)
Ponca City (62)
Poteau (99)•
Pryor (63)
Red Fork (62)
Roosevelt (94)
Sapulpa (62)
Sayre (94)
Seminole (95)
Sentinel (94)
Shawnee (95)
Skiatook (62)
South Coffeyville (63)
Stillwater (62)
Stilwell (63)
Stroud (62))
Tahlequah (63)
Thomas (62)
Tishomingo (95)•
Tonkawa (62)
Tulsa (62,63)
Verdigris River (63)
Vinita (63)
Walters (95)
Washington (95)
Watonga (62)
Weatherford (94)
Wetumka (95)
Wewoka (95)
Woodward (59)
Yukon (98)

OREGON

Albany (2)
Alkali (22)
Arlington (2)
Astoria (2)
Aurora (142)
Baker (3)
Bay Ocean (2)
Beaver Marsh (19)
Beaverton (142)
Bend (2)
Boardman (3)
Brooks (2)
Burns (22)
Cabbage Hill (3)
Canby (142)
Cave Junction (19)•
Corvallis (2)
Cow Creek (19)
Dallas (2)
Denmark (19)
Elgin (3)•
Eugene (2)
Grants Pass (19)
Gresham (142)
Harrisburg (2)
Hermiston (3)
Hillsboro (142)
Hood River (2)
Idanha (2)•
Joseph (3)
Klamath Falls (19)
La Grande (3)
Lakeside (19)
Lakeview (19)
Lebanon (2)
Lexington (3)
McMinnville (2)
Madras (2)
Medford (19)
Milton (3)
Monmouth (2)
Mulino (142)
Myrtle (19)
Newberg (142)
Newport (2)
North Bend (19)
Ontario (3)
Oregon City (142)
Pendleton (3)
Pilot Rock (3)
Portland (142)
Prineville (2)
Redmond (2)
Riddle (19)
Rome (22)
Roseburg (19)
Scappoose (142)
Sheridan (2)
Silverton (2)
Sutherlin (19)
Sweet Home (2)
The Dalles (2)
Tillamook (2)
Trail (19)
Troutdale (142)
Vernonia (2)
Wasco (2)
Williamette (2)
Woodburn (142)
Worden (19)

PENNSYLVANIA

Allentown (42, 75)
Altoona (74)
Ambler (78)
Andreas (42)
Athens (42)
Beaver Falls (39)
Bellefonte (42)
Bloomsburg (42)
Boothwyn (75)
Bradford (39)
Bristol (78)
Brockway (39)
Brookville (39)
Buckstown (74)
Butler (39)
Canadensis (42)
Campbelltown (75)
Carlisle (75)
Cecil (74)
Chambersburg (75)
Chester (78)
Clarion (39)
Clearfield (39)
Coatesville (75)
Collegeville (78)
Conneaut Lake (39)
Connellsville (74)
Conway (39)
Corbett (42)
Corry (39)
Cresson (74)
Daleville (42)
Danville (42)
Douglassville (75)
Doylestown (78)
Dubois (39)
Duncansville (74)
Easton (42,75)
Ebensburg (74)
Elysburg (42)
Erie (39)
Fogelsville (75)
Gettysburg (75)
Gordon (42)
Granville (75)
Greensburg (74)
Greenville (39)
Grove City (39)
Hanover (75)
Harrisburg (75)
Harrison (74)
Hazleton (42)
Hershey (75)
Holmesburg (78)
Hookstown (74)
Hughesville (42)
Huntingdon (74)
Indiana (74)
Johnstown (74)
Johnsville (78)
Kearsarge (39)
Kutztown (75)
Kylertown (39)
Lake Carey (42)
Lancaster (75)
Langhorne (78)
Lansdale (78)
Latrobe (74)
Leechburg (74)
Lehighton (42)
Lewistown (75)
Linesville (39)
Lock Haven (42)
Marchand (39)
Mars (39)
Matamoras (43)
Meadville (39)
Mercer (39)
Middletown (75)
Milton (42)
Mohrsville (75)
Montgomeryville (78)
Morrisville (78,79)
Mt. Jewett (39)
Mt. Pleasant (74)
Mt. Pocono (42)
Mt. Union (75)
Myerstown (75)
New Alexandria (74)
New Hanover (75)
New Kingston (75)
Nicholson (42)•
Norristown (78)
North Springfield (39)
Oil City (39)
Olyphant (42)•
Paoli (75)
Philadelphia (78)
Philipsburg (39)
Pine Grove (75)
Pitcairn (74)
Pittsburgh (74)
Pottstown (75)
Pottsville (75)
Punxsutawney (39)
Quakertown (78)
Reading (75)
Ridgeway (39)
Salix (74)
Sayre (42)
Scranton (42)
Selinsgrove (42)
Seven Valleys (75)
Slatington (42)
Somerset (74)
State College (42)
Stroudsburg (42)
Summerhill (74)
Sunbury (42)
Tamaqua (42)
Tarentum (74)
Towanda (42)
Tunkhannock (42)
Utahville (39)
Vandergrift (74)
Wallaceton (39)
Warren (39)
Waynesboro (75)
Waynesburg (74)
Wilkes-Barre (42)
Williamsport (42)
Willow Grove (78)
Womelsdorf (75)
York (75)
Youngsville (39)

RHODE ISLAND

Charlestown (46)
Greene (46)
Providence (46)
Smithfield (46)
Westerly (46)
Woonsocket (46)

SOUTH CAROLINA

Aiken (131)
Allendale (131)
Anderson (107)
Bamberg (131)
Barnwell (131)
Beaufort (131)
Bennettsville (110)
Calhoun Falls (107)
Camden (110)
Charleston (131)
Cheraw (110)
Chesnee (107)•
Chester (110)
Columbia (131)
Darlington (110)
Ellore (131)
Estill (131)
Florence (110)
Georgetown (131)
Greenville (107)
Greenwood (107)
Hartsville (110)
Kershaw (110)
Lancaster (110)
Lane (131)
Laurens (107)
Little Rock (110)•
Manning (131)
Myrtle Beach (131)
North (131)
North Augusta (131)
Orangeburg (131)
Parris Island (131)
Ridgeland (131)
Rock Hills (110)
St. Matthews (131)
Spartanburg (107)
Summerville (131)
Sumter (131)
Timmonsville (110)
Trenton (131)
Walterboro (131)
Wampee (131)

SOUTH DAKOTA

Aberdeen (11)
Belle Fourche (10)•
Brookings (11)
Chamberlain (30)
Custer (27)
Edgemont (27)
Elk Point (30)
Eureka (11)•
Faulkton (11)
Flandreau (11)
Gregory (30)
Hot Springs (27)
Huron (11)
Lemmon (10)
Madison (11)
Martin (27)
Miller (11)
Mitchell (30)
Mobridge (10)
Newell (10)
Philip (10)
Pierre (10)
Platte (30)
Rapid City (10)
Redfield (11)•
Reliance (30)
Sioux Falls (30)
Spearfish (10)
Stevens (30)
Vermillion (30)
Wagner (30)
Watertown (11)
Willow Lake (11)
Winner (30)
Yankton (30)

TENNESSEE

Chattanooga (106)
Clarksville (103)
Cookeville (106)
Cowan (106)
Crossville (106)
Cuba (103)
Dyersburg (103)
Fairview (106)
Fisherville (103)
Gallatin (106)
Graham (103)
Green Brier (106)
Humboldt (103)
Jacks Creek (103)
Jackson (103)
Kingston (106)
Knoxville (107)
Lebanon (106)
McMinnville (106)•
Manchester (105)
Martin (103)
Memphis (103)
Milan (103)
Morristown (107)
Mount Pleasant (103)
Murfreesboro (106)
Nashville (106)
Piedmont (107)
Pulaski (106)
Smithville (106)
Tallassee (107)
Tri-City (107)
Tullahoma (106)
Union City (103)
Walterhill (106)
Whiteville (103)

TEXAS

Abernathy (91)
Abilene (94)
Adrian (59)
Alamo (114)
Albany (94)
Alice (114)
Alpine (87)
Amarillo (59)
Anahuac (119)
Anson (94)
Arcola (118)
Arlie (94)
Arlington (98)
Asherton (114)
Austin (118)
Austwell (114)
Baird (94)
Ballinger (115)
Bandera (115)
Bay City (118)
Beaumont (119)
Beeville (114)
Belton (118)
Big Spring (91)
Bonham (95)
Borger (59)
Bowie (95)•
Brackettville (115)
Brady (115)
Breckenridge (94)
Brownfield (91)
Brownsville (114)
Brownwood (115)
Bryan (118)
Burkburnett (94)
Burnet (115)
Cameron (118)•
Canadian (59)
Candelaria (87)•
Canyon (59)
Carrizo Springs (111)
Carthage (119)
Castolon (87)•
Castroville (115)•
Childress (94)
Cisco (94)
Clarendon (94)
Clarksville (99)
Claude (59)
Cleburne (118) (98)
Coleman (115)
College Station (118)
Comanche (115)•
Commerce (95)
Conroe (118)
Corpus Christi (114)
Corsicana (118)
Crane (91)
Crystal City (114)
Cuero (114,118)
Cypress (118)
Dalhart (59)
Dallas (98)
Damon (118)
Delaware Springs (90)
Del Rio (87)
Denison (95)
Denton (95)
Dimmitt (59)
Dolores (114)•
Dryden (87)
Dublin (115)
Dumas (59)
Duncanville (98)
Eagle Pass (114)
Eastland (94)
Eden (115)
Edinburg (114)
Edna (114)
El Campo (118)
Eldorado (91)
Electra (94)
El Paso (87)
Elsa (114)
Ennis (118)
Falfurrias (114)
Floydada (99)
Forney (95)
Fort Hancock (90)•
Fort McKavett (115)
Ft. Stockton (91)
Fort Worth (98)
Freeport (114)
Freer (114)•
Friona (59)
Gainesville (95)
Galveston (119)
Garland (98)
Gatesville (118)
Georgetown (118)
Gilmer (99)•
Gladewater (99)
Gonzales (118)
Goose Creek (119)
Gorman (115)
Grand Prairie (98)
Gregory (114)
Greenville (95)
Guadalupe Pass (90)
Hamilton (115)
Hammond (119)
Handley (98)
Harlingen (114)
Harpersville (94)
Haslet (95,98)
Hearne (118)
Henderson (119)
Hereford (59)
Hitchcock (119)
Hondo (115)
Houston (118,119)
Hudspeth (90)
Hueco Mountain (87)
Huntsville (118)
Idalou (91)
Iraan (91)•
Jacksonville (118)
Joshua (95)
Karnack (99)
Kaufman (98)
Kenedy (114)
Kent (90)
Kermit (91)
Kerrick (59)
Kerrville (115)
Kilgore (99)
Killeen (118)
Kingsville (114)
Kirbyville (119)•
Knox City (94)
Lamesa (91)
Lampasas (115)
Laredo (114)
Leaday (115)
Levelland (91)
Littlefield (91)
Llano (115)
Longfellow (87)•

(88)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Wakeman,Ohio(139) Salem,Ore.(2) Cottage Grove,Ore (19) Enterprise,Ore.(3) Britton,S.D (11) Carthage,S.D.(11) Dell Rapids,S.D.(30) Milbank,S.D (11) Presho,S.D.(27) Sisseton,S.D (11) Mt. Juliet,Tenn (106) Denver City,Tex.(91) Hooker,Ohio(71)
Reynoldsburg,Ohio(71) Hinton,Okla.(98) New Castle,Penna.(38) Eagle Point,Ore.(19) Lewistown,Ohio (71) Gruver,Tex.(59) Creswell,Ore.(19) West Chester,Penna.(75)

Longview (99)
Los Fresnos (114)
Louise (118)
Lubbock (91)
Lufkin (119)
Luling (118)
McAllen (114)
McCamey (91)
McKinney (96)
Madisonville (118)*
Magnolia Beach (114)
Marathon (87)
Marfa (87)
Marlin (118)
Marshall (99)
Mason (115)*
Matagorda Island (114)
Matagorda Peninsula(114)
Mathis (114)*
Mercedes (114)
Mexia (118)
Midland (91)
Mineola (99)
Mineral Wells (96)
Mission (114)
Monahans (91)
Mt. Pleasant (99)
Muleshoe (59)
Muenster (95)
Nacogdoches (119)
Navasota (118)
Newark (98)
New Braunfels (113,142)
Odessa (91)
Old Ocean (114)
Olney (94)
Orange (119)
Orla (90)
Ozona (91)
Paducah (94)
Palacios (114)
Palestine (118)
Pampa (94)
Paris (99)
Parker (118)
Pawnee (114)
Pecos (90)
Perryton (59)
Plainview (59)
Pleasanton (114)
Port Arthur (113)
Portland (114)
Port Lavaca (114)
Poteet (114)
Prairie Hill (118)
Presidio (87)*
Pyote (91)
Quanah (94)
Ranger (94)
Raymondville (114)
Red Bluff (90)
Refugio (114)
Rita Santa (91)*
Roaring Springs (91)
Rockport (114)
Rock Springs (115)*
Salt Flat (90)
San Angelo (113)
San Antonio (142)
San Benito (114)
Sanderson (87)*
San Marcos (115)
Sayers (142)
Schulenburg (118)
Seguin (115)
Seymour (94)
Sherman (96)
Sierra Blanca (90)*
Simms (99)
Sinton (114)
Soncy (59)
Spearman (59)
Spring Branch (115)
Spur (91,94)
Stamford (96)
Stanton (91)
Stephenville (115)
Sulphur Springs (95)
Sweetwater (94)
Taft (114)
Taylor (118)
Teague (118)
Temple (118)
Terlingua (87)*
Terrell (96,98)
Texarkana (99)
Texas City (119)
Texhoma (59)
Tulia (59)
Twitty (94)
Tyler (118)
Uvalde (115)
Van Horn (90)
Velasco (114)
Vernon (94)
Victoria (114)
Waco (118)
Waxahachie (98)
Weatherford (95)
Webster (118)
Wellington (94)
Weslaco (114)
Westbrook (91)
Wharton (118)
Wichita Falls (94)
Wills Point (95)
Wink (91)
Winters (115)
Wolfe City (95)
Yoakum (118)
Zuehl (142)

Hillsboro (118)

UTAH

Beaver (54)
Bountiful (23)
Brigham (23)
Bryce Canyon (54)
Cedar City (54)
Corinne (23)
Delta (23)
Duchesne (23)*
Enterprise (54)
Ephraim (23)
Fairfield (23)
Fillmore (54)
Goulding (55)
Grantsville (23)
Hanksville (55)
Huntsville (23)
Knolls (23)
Layton (23)
Logan (23)
Low (23)
Lucin (23)
Midvale (23)
Milford (54)
Mt. Pleasant (23)
Myton (23)*
Nephi (23)
Ogden (23)
Price (23)
Promontory Point (23)
Provo (23)
Richfield (54)
Riverton (23)
Roosevelt (26)
St. George (54)
Salt Lake City (23)
Spanish Fork (23)
Timpie (23)
Toole (23)
Vernal (26)
Wendover (23)

VERMONT

Bennington (43)
Berlin (18)
Bristol (18)
Burlington (18)
Fair Haven (43)
Grande Isle (18)
Huntington (18)
Manchester (43)
Newport (18)
Rutland (43)
St. Johnsbury (18)
Springfield (43)
Swanton (18)
Vergennes (18)
White River Jct. (43)

VIRGINIA

Alberta (111)
Alexandria (78)
Altavista (110)
Annandale (78)
Bedford (110)
Big Stone Gap (107)
Blacksburg (110)
Blackstone (111)
Charlottesville (74)
Chester (75)
Chilhowie (107)
Chincoteague (75)
Clarksville (111)*
Clover (110)
Covington (74)
Creeds (111)
Dahlgren (75)
Danville (110)
Dawn (75)
Deep Creek (111)
Drivers (139)
Eclipse (111)
Emporia (111)
Falls Church (78)
Farmville (111)
Fentress (139)
Franklin (139)
Fredericksburg (75)
Front Royal (74)
Galax (110)
Gordonsville (74)
Greys Point (75)*
Hampton (139)
Harcum (75)*
Harrisonburg (74)
Herndon (75)
Hopewell (111)
Hot Springs (74)
Langley (139)
Lawrenceville (111)
Leesburg (75)
Lexington (74)
Lively (75)
Lynchburg (74,110)
Manassas (75)
Martinsville (110)
Melfa (75)
Milford (75)
Montvale (74)
Mt. Vernon (78)
Narrows (74)
Norfolk (139)
Oceana (139)
Parksley (75)
Petersburg (111)
Pulaski (110)
Pungo (139)
Quantico (78)
Richlands (107)
Richmond (75)
Roanoke (110)
Staunton (74)
Suffolk (139)
Tappahannock (75)
Virginia Beach (139)
Warrenton (75)
Waverly (139)
Waynesboro (74)
Weirwood (75)
West Point (75)
Williamsburg (111)
Winchester (74)
Windsor (139)

WASHINGTON

Aberdeen (2)
Almira (3)
Arlington (2)
Bellevue (142)
Bellingham (2)
Blaine (2)
Bothell (2)*
Bremerton (142)
Burlington (2)
Camano Island (2)
Camas (142)
Chehalis (2)
Chelan (3)
Chewelah (3)
Clarkston (3)
Cle Elum (2)
College Place (3)
Colville (3)
Connell (3)
Coulee City (3)

Coupeville (2)
Davenport (3)
Deer Park (3)
Dungeness (2)
Easton (2)
East Sound (2)
Ellensburg (2)
Enumclaw (142)
Ephrata (3)
Everett (2)
Forks (2)*
Goldendale (2)*
Harrington (3)
Hobart (2)
Ilwaco (2)
Issaquah (142)
Kelso (2)
Kennewick (3)
Kent (142)
Kittitas (2)
La Crosse (3)
Lakeview (2)
Lind (3)

Mead (3)
Metaline Falls (3)*
Monroe (2)
Moses Lake (3)
Mt. Vernon (2)
Neah Bay (2)
Newport (3)
North Bend (2)

Okanogan (3)
Olympia (2)
Omak (3)
Opportunity (3)
Orchards (142)
Oroville (3)
Pasco (3)
Paterós (3)
Port Angeles (2)
Port Orchard (2)
Port Townsend (2)
Prosser (3)
Pullman (3)
Puyallup (142)
Quillayute (2)
Randle (2)*
Renton (142)
Republic (3)*
Ritzville (3)
Rosalia (3)
Seattle (142)
Shelton (2)

Snohomish (2)
Spanaway (142)
Spokane (3)
Stevenson (2)
Sunnyside (2)
Tacoma (142)
Toledo (2)
Tonasket (3)
Toppenish (2)
Twisp (2)
Vancouver (142)
Walla Walla (3)
Washougal (2) (142)
Washtucna (3)
Wenatchee (2)
Westport (2)
Whidbey Island (2)
Wilbur (3)
Winthrop (2)
Woodland (2)
Yakima (2)

WEST VIRGINIA

Beckley (71)
Buckhannon (74)
Bunker Hill (74)
Burlington (74)
Charleston (71)
Clarksburg (74)
Elkins (74)
Glendale (74)
Hinton (74)
Logan (71)
Marlinton (74)
Martinsburg (75,74)
Moorefield (74)
Morgantown (74)
Parkersburg (71)
Paynesville (107)
Pence Springs (74)*
Petersburg (74)
Princeton (71)
Ravenswood (71)
Romney (74)
Ronceverte (74)
Spencer (71)
Sutton (74)
Terra Alta (74)
Weston (74)
Wheeling (74)
White Sulphur Spgs.(74)
Williamson (71)
Winfield (71)

WISCONSIN

Amery (14)
Antigo (15)
Appleton (15)
Arbor-Vitae (15)*
Ashland (14)
Baraboo (34)
Beaver Dam (34)
Black River Falls (14)
Bloomer (14)
Boulder Junction (15)
Boyceville (14)
Brodhead (34)
Camp Douglas (31)
Camp McCoy (31)
Cedarburg (34)
Chetek (14)
Chippewa Falls (14)
Clintonville (15)
Colby (14)
Dallas (14)
Darlington (31)
Durand (14)
Eagle River (15)*
Eau Claire (14)
Elkhorn (34)
Fifield (14)*
Fond du Lac (34,15)
Genesee (34)
Green Bay (15)
Hayward (14)
Hudson (14)
Janesville (34)
Jefferson (34)
Kenosha (34)
Kohler (15,34)
La Crosse (31)
Ladysmith (14)
Lake Delton (34)
Land O'Lakes (15)
Lone Rock (31)
Madison (34)
Manitowoc (15)
Manitowish (15)

Marshfield (14)
Medford (14)
Menomonie(14)
Merrill (15)*
Milwaukee (34)
Monroe (34)
Necnah (15)
Neillsville (14)
Oconto Falls (15)
Omro (15)
Oshkosh (15,34)
Phillips (14)
Portage (34)
Racine (34)
Rhinelander (15)
Rice Lake (14)
Richland Center (31)
Shullsburg (31)
Shawano (15)
Sparta (31)
Spooner (14)
Stevens Point (15)
Sturgeon Bay (15)
Sturtevant (34)
Superior (14)
Three Lakes (15)
Tomah (31)
Tomahawk (15)*
Washington Island (15)*
Watertown (34)
Waukesha (34)
Waupaca (15)
Waupun (34)
Wausau (15)
West Bend (34)
Whitewater (34)
Wisconsin Rapids (15)

WYOMING

Afton (23)
Archer (27)
Basin (7)
Big Piney (23)*
Buffalo (7)
Casper (26)
Cheyenne (27)
Cody (7)
Cokeville (23)
Cowley (7)
Douglas (26)
Dull Center (27)
Egbert (27)
Evanston (23)
Fort Bridger (23)
Gillette (7)
Greybull (7)
Jackson (23)
Kemmerer (23)
Knight (23)
Lander (26)
Laramie (26)
Lusk (27)
Meadows (27)
Medicine Bow (26)
Midwest (26)
New Castle (27)
Pine Bluffs (27)
Pinedale (26)
Point of Rocks (26)
Powell (7)
Rawlins (26)
Riverton (26)
Rock Springs (26)
Sheridan (7)
Silver Crown (26)
Sinclair (26)
Sussex (26)
Thermopolis (26)
Torrington (27)
Ucross (7)
Wamsutter (26)
Wheatland (27)
Worland (26)

(65)-Page number of chart on which these locales are inscribed. *-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Plymouth,Wisc (15,34) Port Isable,Tex.(114) Saginaw,Tex.(98) Cape Charles,Va.(111) Auburn,Wash.(142) Huntsville,Wash.(3) Parkerton,Wyo.(26) Saratoga,Wyo.(26) Sandy,Utah (23) Shenandoah,Va.(74) Elk Garden,W.Va.(74) Sprague,Wash.(3)
Hales Corner,Wisc.(34) Hillsboro, Tex(118) Orange,Va(74) Huntington,W.Va.(71) DePere,Wis.(15) Weems,Va.(75) New Cumberland,W.Va.(74) Ononcock,Va.(75) Richland,Wisc.(3) Cheney,Wisc.(3) Pandale,Tex.(87)

DIGEST OF AIR TRAFFIC CONTROL PROCEDURES

This digest is prepared expecially for the use of pilots operating within control areas, airport approach zones and airport traffic zones. For detailed information, see Civil Aeronautics Administration Manual 60, AAF Regulation 60-16, and pertinent Navy Publications.

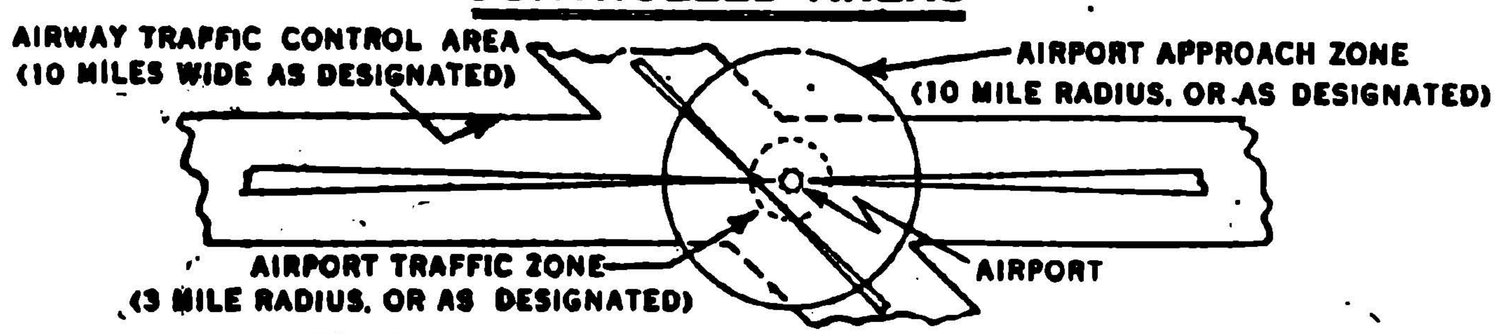
CONTACT FLIGHT RULES WEATHER MINIMUMS

	Inside Airport Traffic Zone (3-mile radius)	Inside Control Area (but outside of Airport Traffic Zones)	Elsewhere
Flights at altitudes of more than 700 feet above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	500 ft. vertically, 2000 ft. horizontally from all clouds-3 miles visibility (or 1 mi. with traffic clearance)	500 feet vertically, 2000 feet horizontally from all clouds 1 mile visibility
Flights at altitudes of 700 feet or less above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	Clear of clouds * * 1 mile visibility	Clear of clouds * * 1 mile visibility

*If traffic conditions permit, a control tower or control center will issue a traffic clearance when the minimums are less than those specified, but under this provision the flight must remain clear of clouds.

**In airport approach zones flights must remain 500 feet vertically and 2000 feet horizontally from all clouds unless a center or tower issues a traffic clearance for flight "clear of clouds"

CONTROLLED AREAS



FLIGHT PROCEDURES AND CONDITIONS

The types of flight plans and conditions under which aircraft may be operated are summarized as follows:

Contact Flight Rule (CFR)-Aircraft must be flown in weather conditions equal to or better than those outlined in the weather minima chart without benefit of reductions authorized by a traffic clearance. No flight plan or communication contacts are necessary other than as required by an airport traffic control tower for regulation of local airport traffic.

Contact Flight Rule-Controlled-Aircraft may be operated in weather conditions lower than the basic weather minima within control areas, airport approach zones, and airport traffic zones, providing the pilot files flight plan specifying the route to be flown with an airway traffic control center or airport traffic control tower, he receives a traffic clearance and he complies with all conditions stipulated in the clearance. Communication contacts and position reports may be required by Air Traffic Control for this type of flight, as traffic control separation will be afforded aircraft on the same basis as aircraft operating on an IFR flight plan.

Instrument Flight Rule (IFR)-Pilots proposing to operate aircraft in accordance with instrument flight rules are required to: file a complete flight plan with an airway traffic control center or airport traffic control tower and obtain a traffic clearance from the center or tower prior to flight; maintain continuous listening watch on the appropriate radio frequency, and report by radio the time and altitude of passing each designated reporting point. When an aircraft on an IFR flight plan is operating in weather conditions lower than the basic CFR minima a minimum altitude of 1000 feet above the surface must be maintained.

A traffic clearance specifying that a portion of a flight is to be conducted in accordance with contact flight rules (CFR) will require that the pilot maintain without reduction, the basic contact flight rule minima as specified in CAR 60 and assume the responsibility of avoiding other aircraft during the portion of the flight specified. In the event of two-way radio failure, a pilot may (1) proceed according to current flight plan, maintaining the minimum safe altitude or the last acknowledged assigned altitude, whichever is higher, to the range station from which approach will be started to the airport of intended landing, and commence descent at approach time last authorized; or if such time has not been received and acknowledged commence descent at the time of arrival specified in the flight plan. Under such conditions a full standard instrument approach should be executed unless a CFR approach is made; or (2) if weather conditions permit, proceed in accordance with CFR; or (3) land as soon as practicable. Normally, if the aircraft is operating flight rule weather conditions at the time the radio failure is discovered, the pilot should proceed in accordance with contact flight rules to the airport of first intended landing or to the nearest suitable airport. If this is not possible, the pilot will proceed according to current flight plan. In order that uniform flight levels will be maintained by all aircraft, the altimeter should always be set to the altimeter setting of the nearest reporting station as the flight proceeds. The altimeter setting is issued by the Weather Bureau, and when placed on the barometric scale of the altimeter, will result in a reading of the elevation above sea level on the height scale of the instrument.

Traffic Clearances: In order to prevent delay to aircraft operating in contact flight rule weather conditions and yet ensure adequate separation when and if instrument flight rule weather conditions are encountered, traffic clearances to pilots filing instrument flight rule (IFR) flight plans may amend such flight plans by requiring flight in accordance with contact flight rules (CFR) for all or a portion of the flight. A traffic clearance will specify the approved altitude followed by the abbreviation "CFR". Upon receipt of such clearance, the pilot will be responsible for avoiding other aircraft while operating in CFR weather conditions and for securing an amended clearance at the specified altitude before IFR weather conditions are encountered. The pilot must remain in CFR weather conditions until the amended clearance is received. For efficient operation, the use of this procedure can only be determined by Air Traffic Control. Pilots, therefore, should not file "altitude/CFR" in any flight plan. "Altitude/CFR" is to be used only in a traffic clearance issued by Air Traffic Control.

Note: A flight plan is required on all AAF flights except for local flights within a defined local flying area.

Arrival Reports-It should be noted that whenever a flight plan has been filed whether for CFR or IFR operations, an arrival report is required, unless the pilot has stated in the flight plan that such report will not be filed.

Maintenance of Flight Altitudes-Within control areas, aircraft should be flown at even or odd thousand-foot levels above sea level depending upon the direction of flight as indicated by odd or even minimum altitudes shown on Flight Planning Charts, unless other altitudes are assigned and approved by an airway traffic control center.

Cruising altitudes outside of control areas or approach zones shall correspond to the direction of flight as indicated below:

MAGNETIC HEADING	Indicated Altitude (feet above sea level)
0° - 89° inclusive,	odd thousands: 1,000 ft.; 3,000 ft.; etc.
90° - 179° inclusive,	odd thousands plus 500 ft.: 1,500 ft.; 3,500 ft.; etc.
180° - 269° inclusive,	even thousands: 2,000 ft.; 4,000 ft.; etc.
270° - 359° inclusive,	even thousands plus 500 ft.: 2,500 ft.; 4,500 ft.; etc.

AIRPORT TRAFFIC CONTROL PROCEDURES

Aircraft with Two-Way Radio: If operating under contact flight rules, arriving aircraft should establish communication with the control tower when approximately 15 miles from the airport of destination. The tower will issue such instructions as are necessary. Pilots should remain tuned to the tower until the landing is completed and the aircraft parked. If on an instrument flight plan, arriving aircraft should remain on range frequency as long as required for navigational purposes. The control tower should not be contacted until after a clearance "to the tower" has been received and the aircraft is 15 miles or less from the airport and clear of clouds, unless otherwise instructed. The clearance, "Cleared to Blank Tower", is also approval for approach subject to any restrictions or instructions contained in the clearance. This clearance, without any restrictions, is approval to make approach for a landing using whatever type of approach desired by the pilot.

Aircraft with Receiver Only: Remain tuned to the tower at all times when within the airport traffic zone. Acknowledge signals in the daytime by movement of ailerons or rudder on the ground and by rocking wings in the air, & at night by flashing landing light. Clearance from the tower should be received for taxiing, landing and taking-off; however, sufficient movement of the aircraft to attract the attention of the tower is permitted. If tower does not issue radio instructions, watch for light signals as the tower may not realize that the aircraft is equipped with a receiver.

Aircraft without Radio Equipment: Observe the tower for light signals, and acknowledge as above. The light signals are:

VISUAL SIGNALS FROM PORTABLE TRAFFIC SIGNAL LIGHT

Color and Type of Signal	Taxi-ing	Ready for Take-off	In Flight
STEADY GREEN	XXXXXXXXXXXX	Cleared for Take-off	Cleared to Land
FLASHING GREEN	Continue Taxi-ing	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
STEADY RED	Stop	Clear the Runway Immediately, and Wait	Give Way to Other Aircraft and Continue Circling
FLASHING RED	Return to Hangar Line	Return to Hangar Line	Return and Land
ALTERNATING RED AND GREEN	General Warning Signal - Exercise Extreme Caution		

Traffic and Taxi Patterns have been established at busy airports to illustrate the desired flow of aircraft on the ground and in the air under specified wind conditions. If the traffic pattern is not known, follow other aircraft unless otherwise instructed.

If a pilot does not receive either radio or visual signal from the tower when approaching for a landing, he should make at least one complete circle of the airport conforming to the traffic pattern, and then start approach for a landing. The pilot should be on the alert for a signal from the tower and maintain a watch for other aircraft.

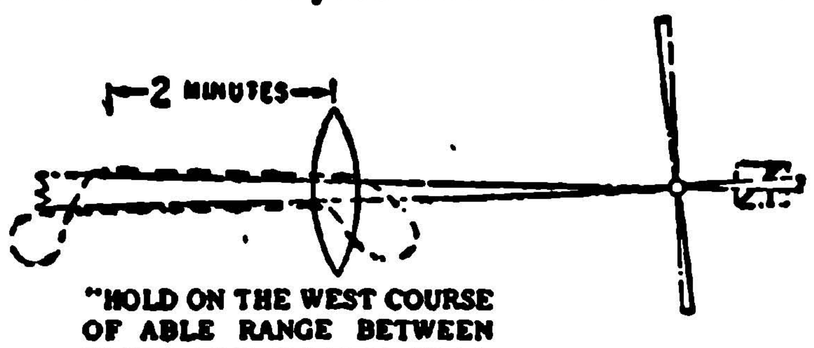
HANDLING OF CFR FLIGHT PLANS AND ARRIVAL REPORTS

CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. These flight plans are not transmitted to the point of destination but are held in suspense until notice of arrival is received. One hour after the estimated time of arrival, if no notice of arrival is received, queries are sent out over CAA communication systems to determine the location of the aircraft. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. Arrival reports are transmitted over CAA circuits to the station holding the flight plan.

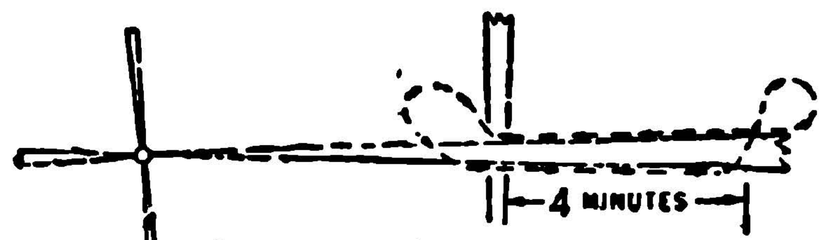
In order to reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

HOLDING PROCEDURES FOLLOWED BY AIRCRAFT AT RADIO FIXES

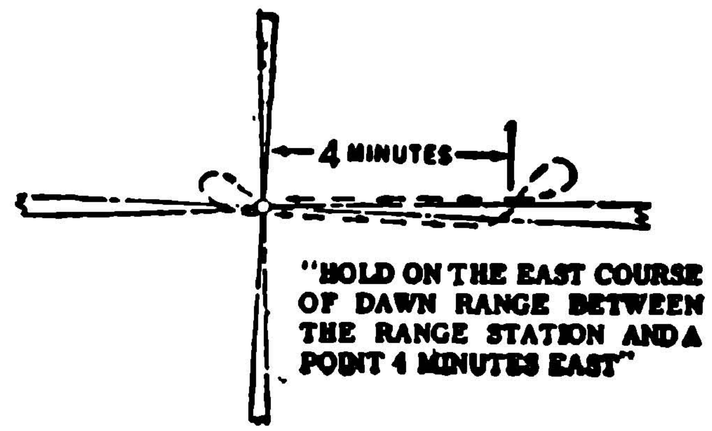
The standard holding flight path of an aircraft operating on an instrument flight rule flight plan and being held at a radio fix is to follow the right edge of the on-course signal of the specified leg of the appropriate radio range. The aircraft shall hold between the designated holding point and a point 4 minutes' flying time therefrom in the direction specified starting procedure turns at the holding point and a point 4 minutes therefrom. Unless prevented by obstructions or unless otherwise advised by an Airway Traffic Control Center or Civil Aeronautics Administration Airport Traffic Control Tower, the initial turn of a procedure turn shall be made to the left when flying away from the range station and to the right when flying toward the range station. The point to be used as the designated holding point will be identified in the traffic clearance which contains instructions for the aircraft to hold. When holding at an approach control marker, the holding flight path will extend from the specified holding point to a point not to exceed 2 minutes' flying time therefrom in the direction specified. When instructions are received giving the time of departure from the holding point, the pilot may adjust his flight path so as to be able to depart from the marker at the exact time specified.



"HOLD ON THE WEST COURSE OF ABLE RANGE BETWEEN BAKER FAN MARKER AND A POINT 2 MINUTES WEST"



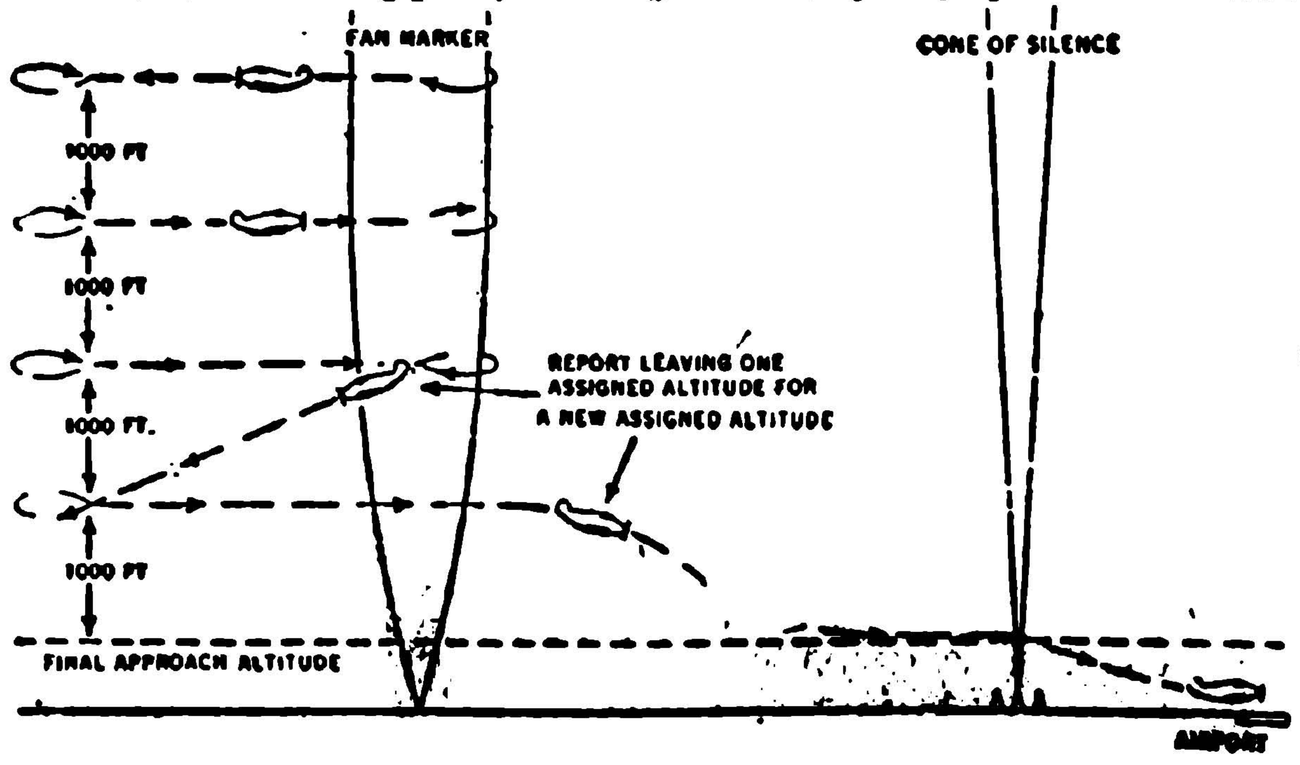
"HOLD ON THE EAST COURSE OF SMITHVILLE RANGE BETWEEN JASON INTERSECTION AND A POINT 4 MINUTES EAST"

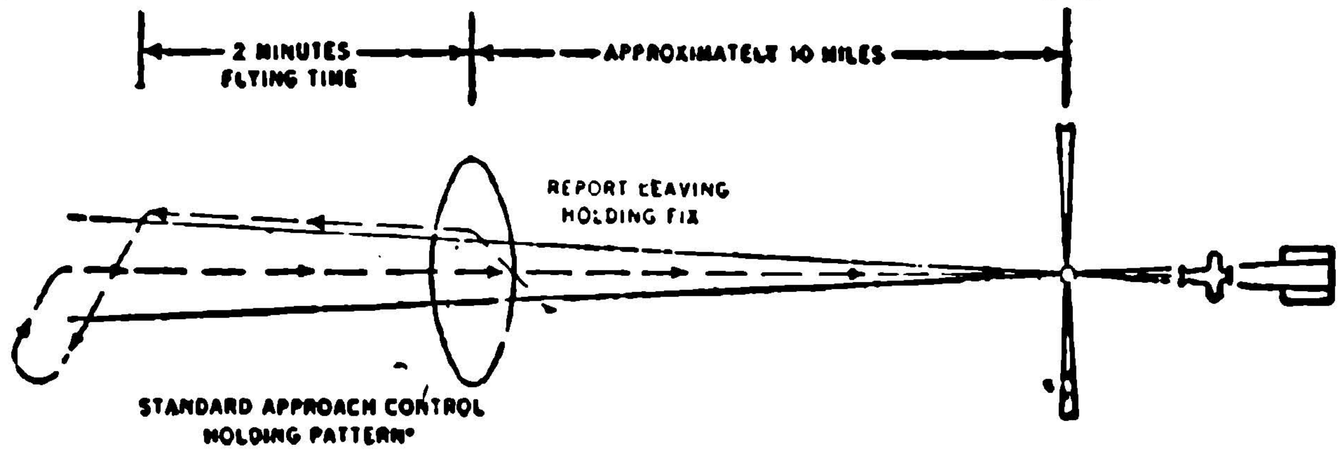


"HOLD ON THE EAST COURSE OF DAWN RANGE BETWEEN THE RANGE STATION AND A POINT 4 MINUTES EAST"

APPROACH CONTROL PROCEDURES

Approach control is a service whereby Civil Aeronautics Administration airport traffic control towers issue control instructions in instrument weather conditions, by communicating directly with pilots over the voice feature of a radio range, or over a very-high frequency channel of the control tower. Ordinarily, aircraft will be cleared by the airway traffic control center to the holding fix, (fan marker or other radio fix) with appropriate holding instructions. Instructions to hold "UNTIL FURTHER ADVISED BY (Name of) APPROACH CONTROL ON (Blank) KILOCYCLES" are included by the arwy traffic control center so that the pilot will know on which frequency he will receive further instructions from the tower. When he arrives over the holding point, the pilot initiates a call to "(Name of) APPROACH CONTROL" and advises time and altitude over the holding point, listening on the frequency specified in the ATC clearance for further instructions. Radio contacts required thereafter: (a) when vacating any previously assigned flight level for a newly assigned level; (b) when leaving holding point. Each pilot in an approach sequence will be given advance notice as to the time he should leave the holding marker on approach to the airport. When the time of leaving the holding point has been received, the pilot should shorten the standard holding path remaining in the immediate vicinity of the marker so as to leave the marker as closely as possible to the designated time. Pilots should maintain communication by listening to approach control frequency until cleared to the tower's local control frequency (278 kc. or equivalent). Departing aircraft will receive initial instructions on the tower's local control frequency. Approach Control is established at locations indicated as AC in the station class column on the data pages.





*NOTE: STANDARD 2 MINUTE HOLDING PATTERN FOLLOWED BY ALL AIRCRAFT HOLDING UNTIL INSTRUCTIONS ARE RECEIVED GIVING TIME OF DEPARTURE FROM HOLDING POINT. THEN PILOT SHORTENS HOLDING PATH, REMAINING IN IMMEDIATE VICINITY OF HOLDING POINT SO AS TO LEAVE MARKER EXACTLY AT SPECIFIED TIME.

AIR NAVIGATION RADIO AIDS

LEGEND

(3) - Station guards 3105, 4495, 6210 kcs.
(4) - Station guards 3105, 4495, 6210, 3117.5 kcs.
(7-24) - Hours of operation (7 a.m. to midnight) on a 24-hour clock basis
→ - New or revised data*

RADIO CLASS DESIGNATIONS

AC.....Approach Control Tower, CAA
B.....Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited).
C.....Control Tower, CAA
CA.....Control Tower, Army
CI.....Control Tower, (City, County, Private, etc.)
CN.....Control Tower, Navy
D.....Distantly controlled
FM.....VHF fan type marker (100 watts)
FMK.....Compass locator station when combined with fan marker
GCA.....Ground control approach system
H.....Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System
IM.....VHF boundary marker
K.....Independent compass locator station
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
MH.....Non-directional radio-beacon(homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50, less than 150 watts
MRL.....Range (loop radiators), power more than 50, less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within 5.5 miles of middle marker.
P.....Point to point radio
RA.....Range (adcock, vertical radiators) power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous transmission of range signals and voice
T.....Teletype
TX.....Principal teletype
V.....Voice communication with aircraft
VAR.....Visual-aural VHF range
W.....Without voice facilities
Z.....VHF station location marker at a range station.

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE •–	D-DOG –••	G-GEORGE ––•	J-JIG •–––	M-MIKE ––	P-PETER •––•	S-SUGAR •••	V-VICTOR •••–	Y-YOKE –•––
B-BAKER –•••	E-EASY •	H-HOW ••••	K-KING –•–	N-NAN –•	Q-QUEEN ––•–	T-TARE –	W-WILLIAM •––	Z-ZEBRA ––••
C-CHARLIE –•–•	F-FOX ••–•	I-ITEM ••	L-LOVE •–••	O-OBOE –––	R-ROGER •–•	U-UNCLE ••–	X-XRAY –••–	

1 •–––– 2 ••––– 3 •••–– 4 ••••– 5 ••••• 6 –•••• 7 ––••• 8 –––•• 9 ––––• 0 –––––

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered nondirectional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency and, generally, V.H.F. of 116.1 mcs.

The classification designation "B" denotes that the station broadcasts airway and meteorological information on a scheduled basis at 15 and 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

AUTOMATIC RANGE MONITORING SYSTEM

The automatic range monitoring system will automatically notify all pilots using a range on which it is installed, whenever an abnormal condition exists on the final approach course, the only course monitored at the present time.

The notification, or warning signal, will consist of the slow transmission of one group of three "U"s (. . – . . – . –), between two station identification transmissions. This warning signal will be transmitted: (a) whenever a course displacement of 3° or more exists; (b) whenever a sudden and large loss of signal strength occurs; (c) or whenever an apparent on-course signal (loss of N-A keying, producing a monotone which sounds like an on-course signal) exists throughout all quadrants.

Loss of signal strength is obvious, and loss of N-A keying is easily ascertainable by the pilot whenever the three "U"s identify an abnormal condition. The flier should suspect course displacement upon hearing the warning signal, if there has been no drop in range signal strength and the interlocked N and A on-course signal is well defined. On the other hand, the loss of N-A keying is indicated by warning transmission once only, when normal identifications are also missing.

In the case of range course displacement, the greater the course displacement, the earlier in the period between station identification transmission will the "UUU" signal be heard. An occasional warning signal transmission not repeated in every cycle, followed by the normal identification, may be disregarded since it may be occasioned simply by momentary power fluctuations.

INSTRUMENT LANDING SYSTEMS

An Instrument Landing System comprises a localizer (possibly a glide path), and a boundary, middle, and outer marker. Infrequently, the middle or boundary marker is not commissioned at present and future installations will have no boundary markers. The entire system of transmitters (localizer, glide path, and markers) operate on V.H.F. All markers operate on 75 mcs.

Compass locator stations, on the other hand, operate on the low frequency 200-415 kilocycle band. Compass locator data will be found under marker data on the second line of those stations having such facilities. These are, with rare exceptions, located at the same sites as the V.H.F. markers, and have single letter identifications.

The localizer course of the Instrument Landing System divides the blue sector (150 cycles), which is to the right of the course in respect to the landing aircraft on final approach, from the yellow sector (90 cycles), which is left.

* UNDER THE HEAVY BLACK LINE FOUND IN THE THE RADIO SECTION OF THE DATA PAGES ARE LISTED, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

VHF RADIO RANGES

Simultaneous Visual-Aural VHF Radio Ranges have two visual and two aural courses with simultaneous voice transmission on the range frequency. A range of this type operates in the band 112 to 118 mcs. (Certain stations have been temporarily assigned the following frequencies: 108.3 mc, 108.7 mc, 109.1 mc.). Modulation frequencies of 90 cps and 150 cps are used to produce the visual courses. The sector in which the 90 cps modulation predominates is to be known as the "Yellow Sector" and that in which the 150 cps modulation predominates is to be known as the "Blue Sector" The aural courses are produced through the use of "N" and "A" signals with modulation frequency of 1020 cps.

VHF RADIO RANGE ORIENTATION: The assignment of the blue and yellow sectors and the "A" and "N" sectors of CAA VHF radio ranges is accomplished in accordance with the following rules:

(a) On Green and Red Airways, the blue sector lies north of the visual course, the yellow south: the "N" sector lies to the east of aural course; the "A" west.

(b) On Amber and Blue Airways, the blue sector lies west of the visual course, the yellow east; the "N" sector lies to the north of the aural course, the "A" south.

(c) The visual courses are projected along the airway, the aural courses across the airway.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS

All continuously operated CAA Radio Range and Radio Beacon Stations having voice facilities on the Range or Radio Beacon Frequencies broadcast weather reports at 15 and 45 minutes past each hour.

At each station the material broadcast consists of the local weather report and the latest available surface weather reports from surrounding locations. Reports more than one hour old are not broadcast. In addition, the local winds aloft report is broadcast four times daily at 6:15 and 12:15 A.M. and P.M. At selected stations the Weather Bureau provides a local terminal forecast covering the next two hours, and this forecast is broadcast, when available, immediately following the local weather report.

FILING OF "OVER" REPORTS

Pilots should make every effort to file "over" reports when passing over those points designated as "Radio Fixes" on the Radio Facilities Charts. Refer to Chart Legend

Pilots of aircraft operating on contact flight rule flight plans who desire to make flight progress reports shall include in the report the phrase "CFR" flight plan from _____ to _____

Pilots of aircraft operating on instrument flight rule flight plans and who are required, therefore, to make flight progress reports, shall include in the report the phrase "Instrument flight plan". NOTE: The word "instrument", rather than the abbreviation "IFR" is used above to avoid confusion between the abbreviations "CFR" and "IFR" under difficult radio reception conditions.

RADIOTELEGRAPH CALLING PROCEDURE

Radiotelegraph (A2 emission), in addition to radiotelephone (A3 emission), may be used to call Civil Aeronautics Administration airway communications stations. Radiotelegraph (A1 emission) may be used, but its use will require a prearranged schedule since receivers at the stations are set for A2 and A3 emission only. The Civil Aeronautics Administration airway communication station will reply on the radio range voice channel except as otherwise provided. When calling Civil Aeronautics Administration airway communications stations, it is desired that the radio call letters of the station be used. However, the stations will be on the alert for calls consisting of the radio range identification (listed under "Station Identification"), which may be used after two calls by voice have not been answered by the Civil Aeronautics Administration airway communications station or when unusual circumstances prevail or during emergencies. For example: A pilot using the Richmond, Virginia radio range who is unable to contact that station by voice, will radiotelegraph the following, using A2 emission: "RW RW RW K". Upon receipt of such a signal, the aircraft communicator at the Richmond radio range station will acknowledge on the voice channel of the radio range as follows: "UNIDENTIFIED AIRCRAFT CALLING RICHMOND RADIO OVER". The pilot then would resume use of voice for completion of the contact unless conditions require continuance of radiotelegraph. It is important that pilots use this procedure only after two unsuccessful attempts by voice to contact Civil Aeronautics Administration airway communications stations.

RADIOTELEPHONE (CALLING PROCEDURE)

When calling Civil Aeronautics Administration stations (except towers) or Army and Navy radio ranges, utilize the call "RADIO". When calling all airport control towers, be they Army, Navy, CAA, or municipal utilize the call "TOWER". When calling Army Airways, utilize the call "ARMY AIRWAYS". Examples:

(a) "Jacksonville Radio This Is Stinson 1234".....When calling a radio range
(b) "Jacksonville Tower This Is Waco 4567" .....When calling a control tower
(c) "Jacksonville Army Airways This Is Army 725" .....When calling an Army Airways Communications Station
(d) "Langley Army Radio This is Army 472" .....When calling an Army radio range

COMBINED UNITED STATES-BRITISH RADIOTELEPHONE (R/T PROCEDURE)

This new procedure has previously been adopted by the War and Navy Departments for use by military aircraft and became effective June 1, 1943, for use by Civil Aeronautics Administration airway communications stations and airport traffic control towers and civilian aircraft. Military pilots may secure complete information from Army publication FM24-9. The major changes in procedure are summarized below for the benefit of civilian pilots not having access to FM24-9.

1. Use of the words "THIS IS" instead of the word "FROM".
2. Use of the word "OVER", instead of the words "GO AHEAD", to indicate, MY TRANSMISSION IS ENDED AND I EXPECT A RESPONSE FROM YOU".
3. Use of the word "OUT" when conversation is ended and no response is expected.
4. Use of the phrase "SAY AGAIN", instead of the word "REPEAT" when requesting a repetition.
5. Use of the phrase "I SAY AGAIN", instead of the phrase "I WILL REPEAT", when a repetition is being given.

Examples:

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO OR CLEVELAND TOWER MESSAGE FOR YOU (Optional) OVER

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE FOUR THREE SEND YOUR MESSAGE (Optional) OVER

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO or CLEVELAND TOWER (Message) OVER

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE EIGHT ONE FOUR THREE ROGER OUT

Pertinent parts of all current publications, including Manual 60, are superseded insofar as communications procedures are concerned by the new procedure indicated above effective October 1945

AIRPORT DATA
LEGEND

NAME

(When city and airport names are identical, the airport name is omitted in the interest of space-conservation)

(A) Airport owned or leased in whole or in part by Army
(CG) Airport owned or leased in whole or in part by Coast Guard
(N) Airport owned or leased in whole or in part by Navy
★ CAA Intermediate Field
(P) Non-military airport available for use by military aircraft (See Note 3)

N.B. If the airport name is followed by (A) for Army, (N) for Navy, or (CG) for Coast Guard, the field is exclusively an Army, Navy, or Coast Guard field. If the field is not exclusively Army, Navy, or Coast Guard and may be used by civilians, no (A), (N), or (CG) follows the airport name.

SIZE — CLASS

40: Length of longest landing strip (unpaved) in hundreds of feet
40h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl.").

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind zone. Therefore, in all cases, or gentle-surging winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW-SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station.
R2: Range (or homing device), and tower
R3: Range (or homing device), tower, and instrument landing system.

LIGHTS

L: Incomplete lighting, either flood or portable rwy lights.
L1: Beacon only.
L2: Beacon and boundary.
L3: Beacon, boundary, and obstruction.
L4: Beacon, boundary, obstruction, and flood.
L5: Beacon, boundary, obstruction, flood, and runway contact
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach.

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

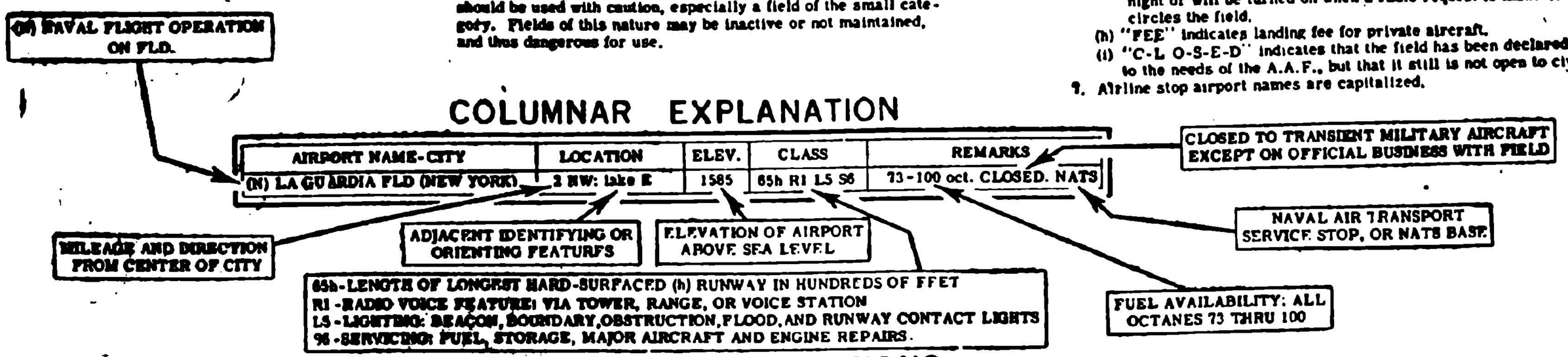
SERVICING

S1: Fuel.
S2: Fuel, storage.
S3: Fuel, storage, minor aircraft repairs.
S4: Fuel, storage, minor aircraft, and minor engine repairs.
S5: Fuel, storage, major aircraft, and minor engine repairs.
S6: Fuel, storage, major aircraft, and major engine repairs.

N.B. Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class, comparable to, for example, "18 S1". "18 S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there.
Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class column should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify
2. → New or revised data.*
3. "(P)" in CITY-AIRPORT NAME column indicates (1) these municipal airports improved with public funds and covered by an agreement between the municipality and the United States Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. ★ "Effingham Int., 10, L3-IL" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int."
5. In location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct." indicates octane rating of fuel available.
   (b) "CLOSED" indicates closed to all transient military aircraft except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "INACTIVE" indicates field is on temporarily inactive status as regards military use and that Army or Navy facilities have been discontinued. Use of Army fields in this status is to be as indicated by Special Notice on first page of the Notices to Airmen section, and in notices published under heading of field. Use of Navy fields is indicated under field heading.
   (e) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency.
   (f) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines are cited.
   (g) "Fld. lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly, the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (h) "FEE" indicates landing fee for private aircraft.
   (i) "C-L O-S-E-D" indicates that the field has been declared surplus to the needs of the A.A.F., but that it still is not open to civilians.
7. Airline stop airport names are capitalized.



AIRPORT NAME ABBREVIATIONS

(A) - Army Field
AAB - Army Air Base
AAF - Army Air Field
CGAS - Coast Guard Air Station
(N) - Navy Field
NAAF - Naval Aux. Air Facility
NAAS - Naval Aux. Air Station
NAF - Naval Air Facility
LTA - Lighter than Air
MCAS - Marine Corps Air Station
MCAAF - Marine Corps Aux. Air Facility
MCGB - Marine Corps Glider Base
NAS - Naval Air Station
NPG - Naval Proving Grounds
OLF - Outlying Field (Navy)

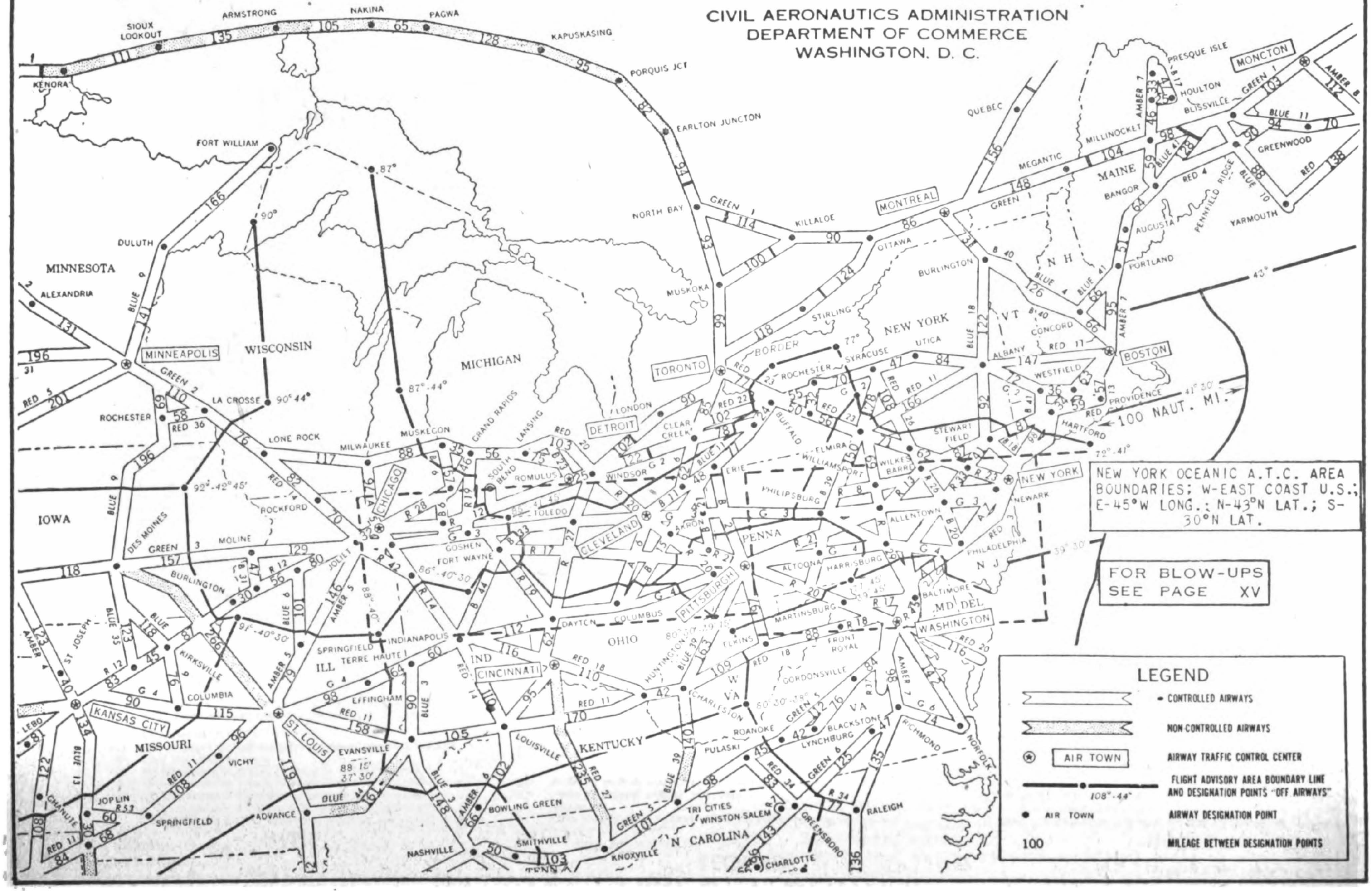
* UNDER THE HEAVY BLACK LINE FOUND IN THE AIRPORT SECTION OF THE DATA PAGES ARE LISTED, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

NORTH EAST QUADRANT

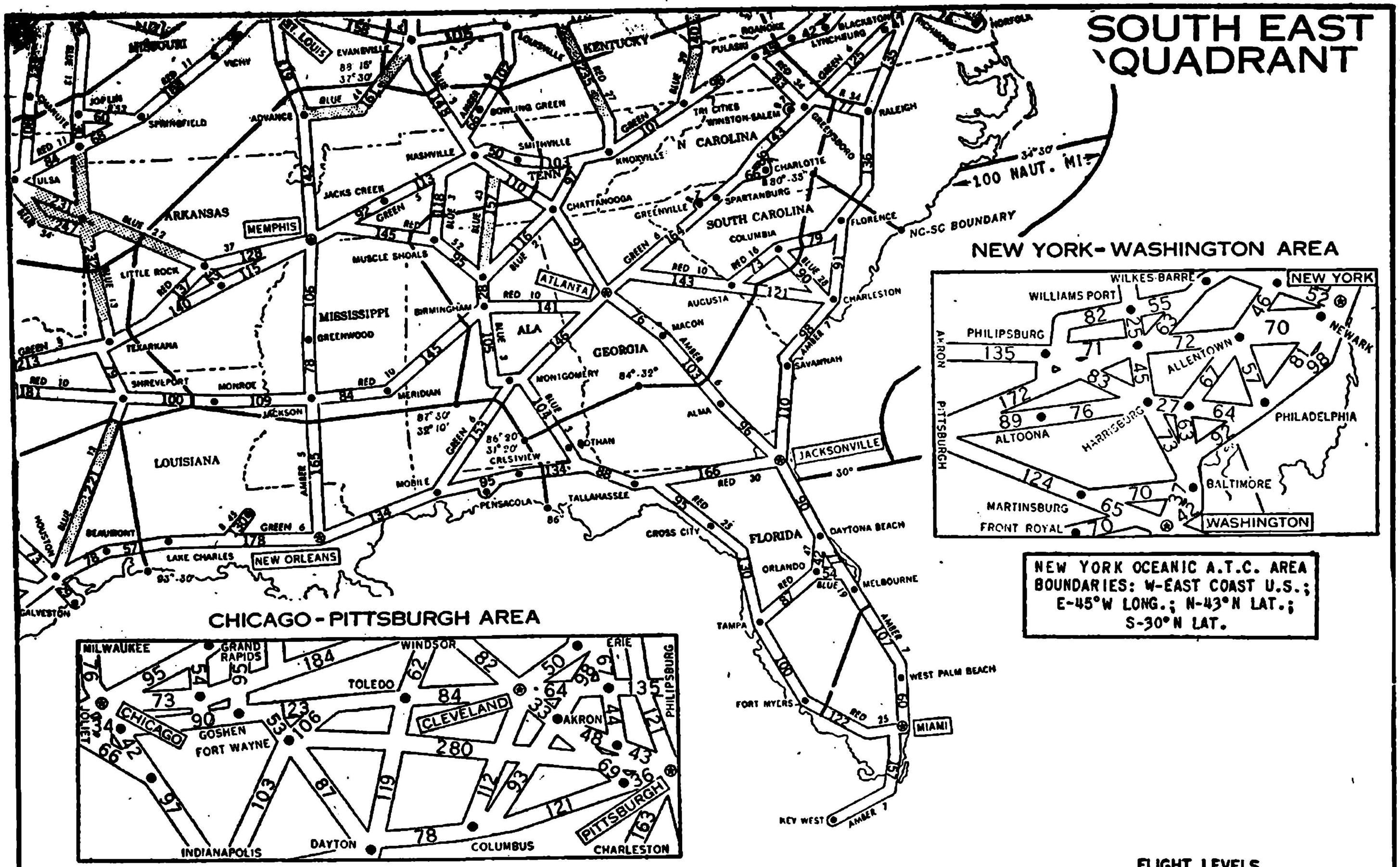
CIVIL AIRWAYS AND MILEAGE CHART

INCLUDING UNITED STATES AND CANADIAN FLIGHT ADVISORY AND TRAFFIC CONTROL AREAS

CIVIL AERONAUTICS ADMINISTRATION
DEPARTMENT OF COMMERCE
WASHINGTON, D. C.



SOUTH EAST QUADRANT



NEW YORK - WASHINGTON AREA

NEW YORK OCEANIC A.T.C. AREA
BOUNDARIES: W-EAST COAST U.S.;
E-45°W LONG.; N-43°N LAT.;
S-30°N LAT.

CHICAGO - PITTSBURGH AREA

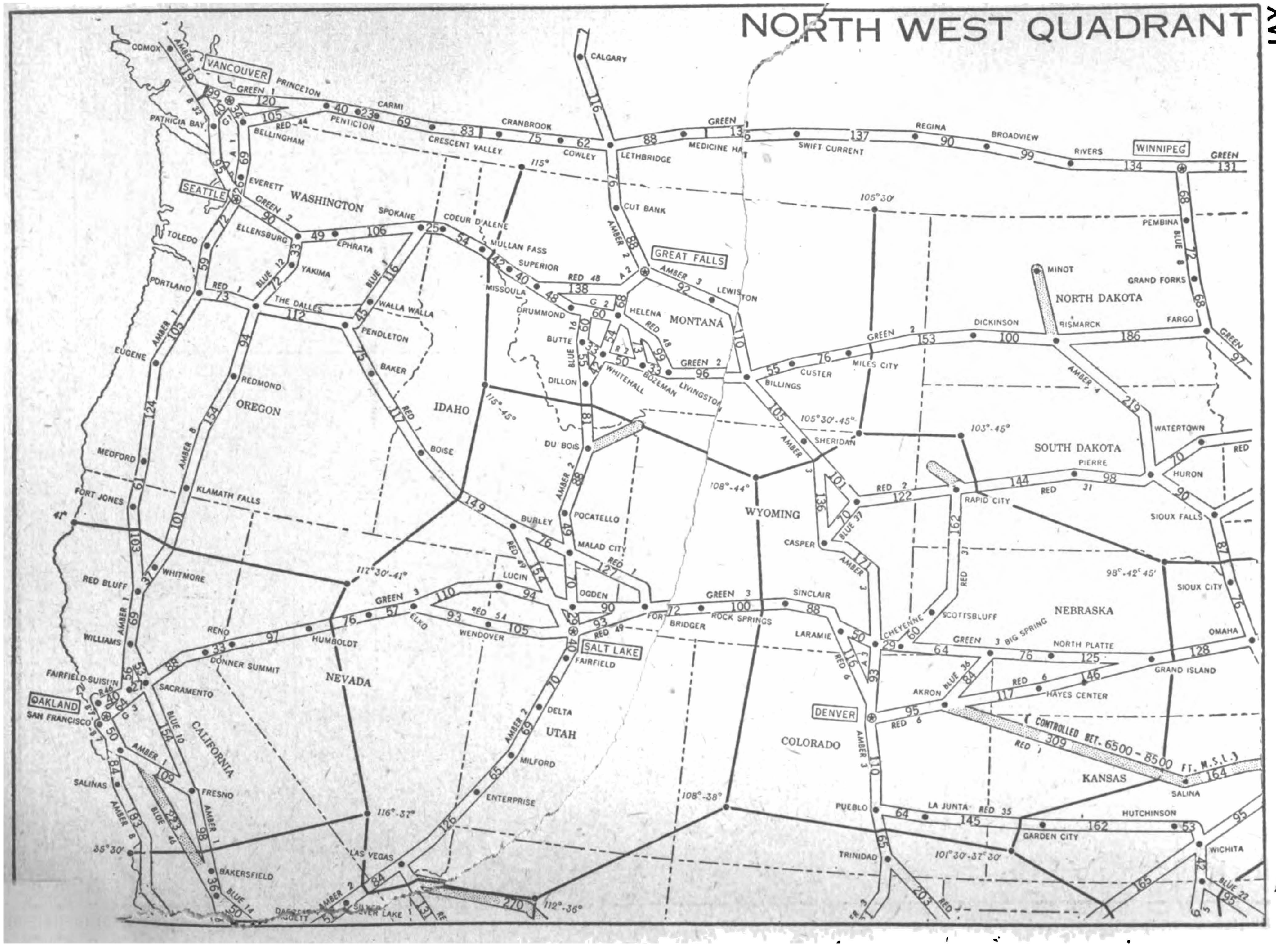
ARMY FLIGHT SERVICE AREAS

OLMSTED FIELD ENCOMPASSES BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C A A AREAS
MacDILL FIELD ENCOMPASSES JACKSONVILLE, & MIAMI C A A AREAS
WRIGHT FIELD ENCOMPASSES DETROIT, CLEVELAND, CINCINNATI, ST. LOUIS, & CHICAGO C.A.A. AREAS
MAXWELL FIELD ENCOMPASSES MEMPHIS, NEW ORLEANS, & ATLANTA C A A. AREAS
LOWRY FIELD ENCOMPASSES DENVER, MINNEAPOLIS, & KANSAS CITY C A A. AREAS
FORT WORTH ENCOMPASSES SAN ANTONIO, & FORT WORTH C A A. AREAS
McCHORD FIELD ENCOMPASSES SEATTLE, & GREAT FALLS C A A. AREAS
HAMILTON FIELD ENCOMPASSES OAKLAND, & SALT LAKE CITY C A A. AREAS
MARCH FIELD ENCOMPASSES LOS ANGELES, ALBUQUERQUE, & EL PASO C A A. AREAS

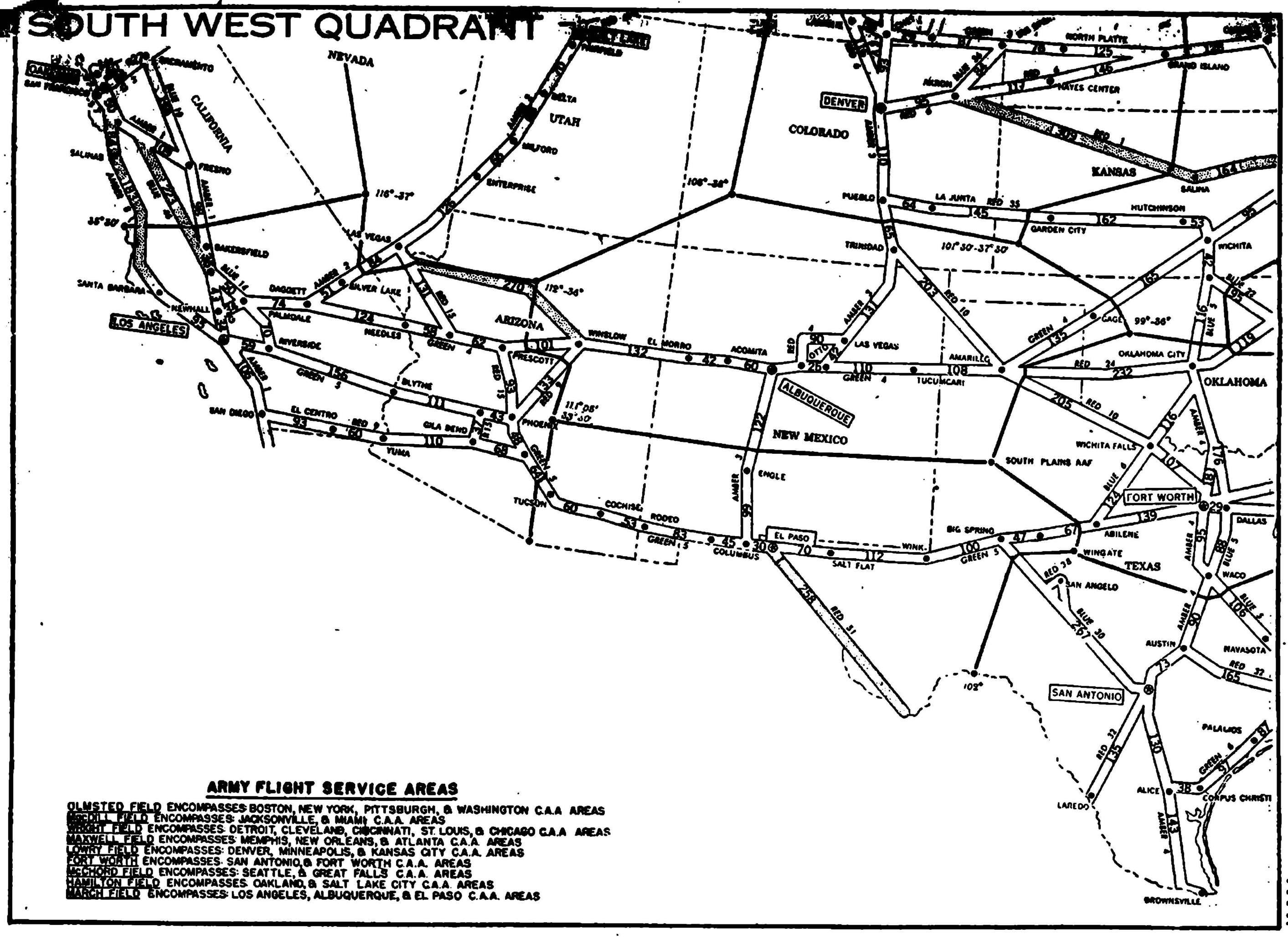
FLIGHT LEVELS

GREEN AND RED CIVIL AIRWAYS
EASTBOUND - ODD THOUSAND FOOT LEVELS
WESTBOUND - EVEN THOUSAND FOOT LEVELS
AMBER AND BLUE CIVIL AIRWAYS
NORTHBOUND - ODD THOUSAND FOOT LEVELS
SOUTHBOUND - EVEN THOUSAND FOOT LEVELS

NORTH WEST QUADRANT



SOUTH WEST QUADRANT



ARMY FLIGHT SERVICE AREAS

OLMSTED FIELD ENCOMPASSES: BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C.A.A AREAS
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HAMILTON FIELD ENCOMPASSES: OAKLAND, & SALT LAKE CITY C.A.A. AREAS
MARCH FIELD ENCOMPASSES: LOS ANGELES, ALBUQUERQUE, & EL PASO C.A.A. AREAS

FLIGHT PLANNING CHARTS

LEGEND

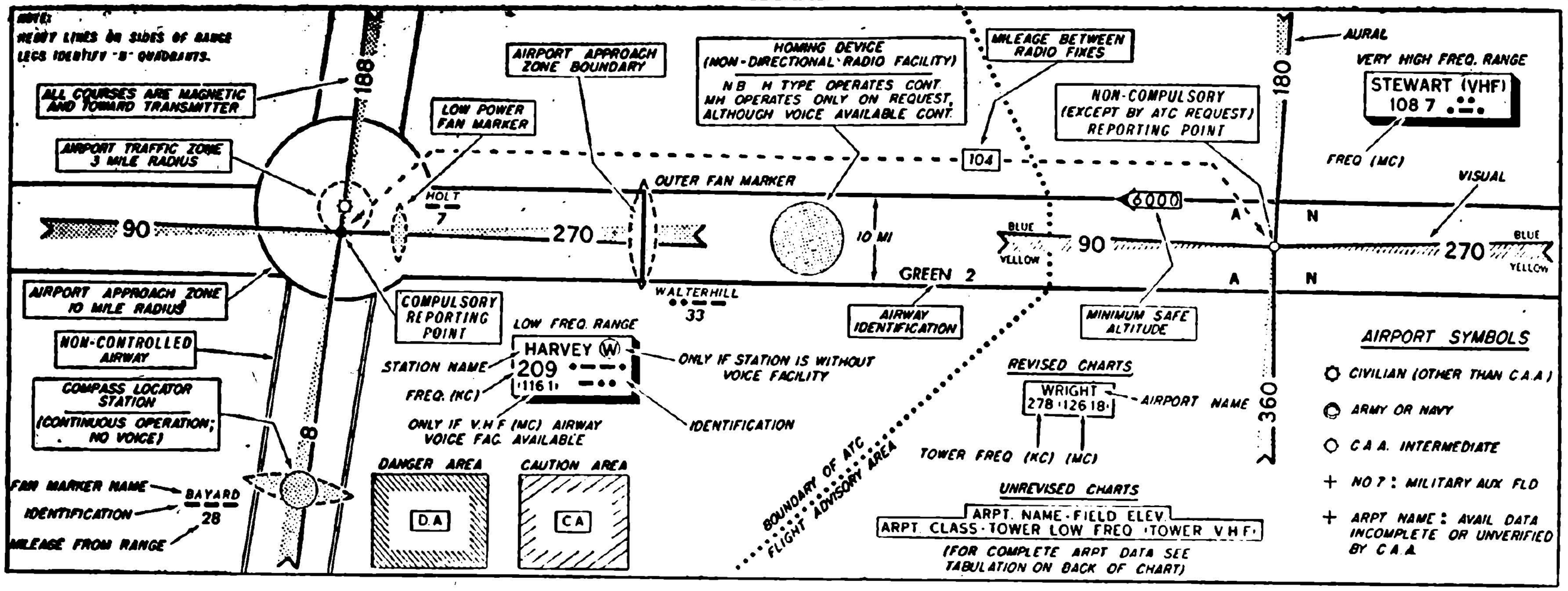


CHART CONTENTS

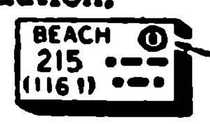
The Flight Planning Charts, in addition to the warning (R) and caution (O) symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages: (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways. These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE & USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled (R) or (O) items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new fields, abandoned fields, range frequency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol (R) for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol (O) for orange, or caution.



RADIO FACILITY HAZARDOUS FOR USE (SEE NOTICES TO AIRMEN SECTION)

AIRPORT HAZARDOUS FOR USE (SEE NOTICES TO AIRMEN SECTION)

RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

Warning

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°,7.5	Tillamook NAS
EUGENE (Mahlon Sweet)	251 (EU)	SBRAZ-DT,150°,4.5	(4)
→ PORTLAND (AAB)	332 (PD)(116.1)	SBRAZ-VDT,171°,3.1	(3),116.1
PORTLAND LFM	(- -)	LFM, 76°, 1.6	Portland
REDMOND (Roberts)	368 (RG)	SBRAZ-DT 101°,4.3	(4)
→ THE DALLES	230 (ND)(116.1)	SBRAZ-VDT,251°,2.8	(4),116.1
TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105,4495
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3); 142.74 (8-1630)
WILLAMETTE FM	(- - - -)	FM, 76°, 20.6	Portland
WASHINGTON			
BELLINGHAM	209 (LJ)(116.1)	SBRAZ-VDT,114°,3.3	(4);116.1
CAMANO ISL,FM (Navy)	(- -)	FM,123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 62	Seattle
EASTON (Int.)	278 (TP)	MHT	(4)
ELLENSBURG (Bowers)	385 (EB)	SBMRAZ-DT,270°,2	(4)
EVERETT (Paine)	224 (MI)	BMRL Z-DT,330°,3.1	(4);116.1
HOBART FM	(- -)	FM, 88°,15	Seattle
KELSO	266 (HP)	MHT	(4)
LAKEVIEW FM	(- - -)	FM, 175°,25.5	Seattle
McCHORD,(Tacoma)(Army)	272 (DTA)	BMRL; 26°, 1.7	
MONROE FM	(-)	FM, 5°, 30	Seattle
MOUNT VERNON OLF	3295 (126.18) (142.74)	CN	3105,4495;126.18,142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
SEATTLE (King County)	260 (SA)(116.1)	SBRAZ-VDTX,296°,3.3	(3);116.1
STEVENSON	347 (LZ)	MHT	(4)
→ TOLEDO (Int.)	239 (GL)(116.1)	BMRLZ-VDT,236°,3	(4); 116.1
WASHOUGAL FM	(-)	FM, 63°,17.5	Portland, Oregon
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74) (126.18)	CN, 303°,3.5	(3);142.74,126.18,Tr.and gds 116.1,140.58 req.(GCA)
WHIDBEY ISL. NAS (Navy)	522 (K)	MH	(4) Cont.
Whidbey Island NAS (Seaplane)	2870 (142.74)	CN	(3),3155;142.74 (24 hrs advance notice)
WOODLAND FM	(- - - -)	FM, 331°,23	Portland, Oregon
YAKIMA	320 (YA)(116.1)	BMRLZ-VDT	(3); 116.1
Yakima County Arpt.	278 (118.5)	C;267°,4.7	(4);118.5,131.9,142.74

S-Simul. Range and Voice; W-Without Voice Z-VHF Range Station Location Marker, (3) 3105, 4495, 6210 kcs, (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice +- Army A.C.S. transmits on and guards 116.1 137.88, 140.58 mcs

AIRPORTS — OREGON

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW;RR E	210	33	Brush N.
Albany	2.5 NE;RR NW	235	26 S6	80 oct.Poles W, SW.
★ Arlington Int,12B,PD-SM	1.4 ENE; riv NW	872	50 L3	
Bend (new)	5.5 ENE;hwy S	3429	40 S6	80 oct.Pwrline SE.Use strips.
Bend (old) (NC)	7.8 N; hwy E	3350	44	Poleline W, NW.
Clatsop Co.(Astoria)	3.5 W;riv E	10	57h	
Coastway School of Aeronautics (Tillamook)	1.4 E;hwy W	55	29 S2	80 oct.
Corvallis	4.9 SSW;RR E	235	52h S6	80,91 oct.
Corvallis Junction	1.3 NNE;RR W	240	20 S6	80, 91 oct.No sto.
Dallas (new)	1.2 N;RR S	400	23 S1	80 oct. Poles WSW
Dallas (old)(NC)	1.6 E;RR S	300	23	UNUSABLE;Under cultivation.
Eugene Airpark	1.6 SW;rd W	420	28 S6	73,80 oct.
Harrisburg	2 NNE; RR E; W	300	25 S1	80 oct
Hood River	2.5 S;riv E	605	19 S1	Ltd fuel,lgt acft only
Langmack (Sweet Home)	2 E;hwy N	550	24 S1	80 oct. Poles W
Lebanon	1.3 SW;RR E	340	21 S4	80 oct.
(A) Madras (A)	2 NNW;RR SE	2420	74h	C-L-O-S-E-D.
MAHLON SWEET(Eugene)	6 NW; RR NE	365	52h R1 L5	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii) (NC)-Not charted.

OREGON

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
McMinnville	3.1 ESE;hwy W	156	50h S4	80,91 oct.
McNARY (Salem)	2.2 SSE;RR SW	207	55h L5 S4	80 oct.;91 oct.emerg.No sto
(P) Newport	4 S;ocean W	160	51h L5 S4	80 oct. No sto, lgts on req.
Prineville	2.9 SW;hwy SW	3240	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW;RR E	195	23 S1	80 oct.Cattle on fld.
→ (P) Roberts (Redmond)	1.5 SE;hwy N	3064	70h R1 S4	80,91 oct.
Santiam Junction Flgt Strip (Idanha) (NC)	21.5 SSE;hwys N	4000	30	Trees W,E.
Sky Haven (Brooks)	1.6 NE;RR W	180	17 S1	Ltd 80 oct.
The Dalles	1.7 NE	239	51h R1 L5 S6	80,91 oct.
(N) Tillamook NAS (N)	3 SE; riv N	35	50h R2 L5 S4	91 oct.Used by LTA;HTA.
Vernonia (NC)	2.4 WSW;riv S	620	29	
Wasco	0.4 E;RR SW	1420	18 S1	Ltd 80 oct.
Willsheron(Sheridan)	2.1 SSW;RR NNE	275	15 S1	80 oct.
→ Willamette Arpk(Eugene)	4.8 W	420	25 S1	80 oct.
WASHINGTON				
(N) Arlington NAAS (N)	3 SW;hwy W	129	50h	INACTIVE.
Barker & Dean (Mt. Vernon)	2.2 S;RR,riv W	4	20 S4	73,80 oct.No sto.Trees NW.
BELLINGHAM	4.5 NW;hwy E	158	50h R1 L5 S4	73 oct. No sto.Fld lgts prior req.ARPT OF ENTRY
Blaine	0.5 E;RR W	15	18 S1	80 oct.
(P) Bowers (Ellensburg)	2.5 NE;hwy S	1767	59h R1 L5 S6	80 oct.Ctc lgts prior req.
Bowers Aux.(Ellensburg)	8.6 NNW	2140	30	
Cameron (Kittitas)	0.5 N;RR S	1650	26 S2	80 oct.
(P) Chehalis Co.-City	0.6 NW;RR E	174	50h S6	80 oct.No sto.
Clallam County (Port Angeles)	2.9 WNW;RR NW	290	52h S2	80 oct.
Cle Elum	2.4 E;hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW	110	33 S4	80 oct.Pole lines ESE,WNW ARPT OF ENTRY.
(N) Coupeville OLF (N)	2 SE	199	54h	
★ Easton Int,5B,SA-HL	1.7 NNW;RR SW	2221	30 R1 L2	Trees, mtns WNW.
Everett	2.7 NNE;riv N	15	21 S4	80 oct. 30' hangar W.
Fancher (Wenatchee)	2.5 NE;riv W	1440	33h L3 S6	80 oct.Fld lgts prior req.
Forks (NC)	1 SW;rd S	286	23	75' trees E.HAZARDOUS.
Goldendale (NC)	0.6 SE;RR W	1600	20	Poleline E,SE,Ditch center r
Ilwaco	1.5 ENE;riv S	8	20 S2	80 oct. HAZARDOUS
Intercity,USFS (Winthrop	4 SSE;riv SW	1650	32 S1	73,91 oct.Mtns SE.
Kelso,61A,SF-SA	1.4 S;RR SW	25	29 R1 L3 S6	80 oct.
Kenmore, (Bothell) (NC)	2.3 NW;rd E	420	17	12-14 brush NNE,SSW.
(P) Moon Island (Aberdeen)	6 W;harb. N,S	14	50h L5 S6	80,91 oct.
(N) Mt.Vernon OLF (N)	5 NW;RR S	146	53h R1	Pole line N,CLOSED
Olympia	4.5 S;hwy E	190	50h S4	80 oct.Trees W.
Orcas Island (E.Sound)	0.7 N;hwy E	25	12 S1	73,91 oct
Paine (Everett)	6.5 SW;hwy NE	598	65h R1 L5 S6	80 oct.Fld lgts prior req.
PANGBORN(Wenatchee)	5.3 ESE;hwy S	1246	46h L5	Contact lgts prior req.
Pasayten.USFS (Winthrop)(NC)	38 NW;riv E	4250	28	Use in emerg.only. to public
(CG) Port Angeles CGAS(CG)	2 NNE	13	45h R1 L5 S1	91,100 oct,Lgts prior req.
Randle,USFS (NC)	1 ESE;riv S	940	13	Pwr line WSW.Cattle on fld.
Quillayute	0.7 NNW;8 W Forks	195	50h	
Shelton	2.5 NW;hwy ENE	278	52h	Tower NW.
Skagit Valley Air Svc. (Burlington)	0.7 S;RR E	35	20 S1	80 oct.Stack N.
Snohomish	0.9 SW;RR N	16	33 S6	80 oct.Poles,trees ESE.
Snoqualmie Pass (North Bend)(NC)	3.5 ESE;hwy S	680	24	Trees WNW,ESE.
★ Toledo Int,63B,SF-SA	3 NE;riv S	371	50h R1 L3 S1	80,91 oct.
Toppenish	3.2 SSW;hwy E	835	32 S5	80 oct.
Twisp	1.9 SE;riv S	1620	19 S1	80 oct.Trees,hills WNW.
Westport (NC)	0.5 N;harbor E	5	18 S1	80 oct.
(N) Whidbey Island NAS	3 NW Oak Harbor	24	70h R2 L6 S2	91,100 oct. (N)
YAKIMA COUNTY	2.8 SSW	1058	50h R2 L5 S6	73,80,100 oct.Poleline S.

→ NEW OR REVISED DATA

2 SEATTLE

O USABLE WITH CAUTION
R EXTREMELY HAZARDOUS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF AIRWAYS INDICATE 18,000' MSL AND HIGHER.

ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA

INTERCITY ○
TWISP ○

BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS. WHIDBEY-AULT 278 (142.74, 126.18)
NAS. WHIDBEY IS 522
NAS. WHIDBEY IS 2870 (142.74)
NAS. WHIDBEY IS 353
CGAS. PORT ANGELES 3295 (142.74)
EVERETT 224
SEATTLE 260 (116.1)
McCHORD AAF 272
EASTON 278
ELLENSBURG 385
TOLEDO 239 (116.1)
YAKIMA 320 (116.1)
KELSO 266
STEVENSON 347
PORTLAND 332 (116.1)
NAS. TILLAMOOK 520
THE DALLES 230 (116.1)
EUGENE 251

BLAINE
BELLINGHAM
ORCAS IS
WASH. 4 D.A.
MOUNT VERNON OLF
SKAGIT VALLEY
BARKER & DEAN
NAAS, ARLINGTON
COUPEVILLE OLF
DUNGENESS 62
CLALLAM CO.
COUNTY-CITY
QUILLAYUTE
PAINE
SNOHOMISH
MUNSON 30
BLUE 32
On request
EASTON 37
HOBART 15
PANGBORN
FANCHER
CLE ELUM
BOWERS AUX.
GREEN 7
SHELTON
LAKEVIEW 26
OLYMPIA
MOON IS
WESTPORT
BOWERS
CAMERON
CHEHALIS CO CITY
FOR DETAILS IN THE PORTLAND AND SEATTLE AREAS SEE CHART 142
YAKIMA CO 278 (118.5)
TOPPENISH
TOLEDO
ILWACO
CLATSOP CO
WASH.
ORE.
KELSO
On request
WOODLAND 23
WASHOUGAL
On request
HOOD RIVER
ARLINGTON
WASH. 1 D.A.
BAY OCEAN 8
COASTWAY AERO
PORTLAND
WILLAMETTE 21
WASCO
McMINNVILLE
NAS. TILLAMOOK 278 (142.74)
WILLSHERON
SKY HAVEN
McNARY
DALLAS
RAY ADAMS
ALBANY
CORVALLIS JCT.
CORVALLIS
LEBANON
LANGMACK
NEWPORT
HARRISBURG
MAHLON SWEET
WILLAMETTO
EUGENE
MEDFORD
MADRAS
ROBERTS
PRINEVILLE
REDMOND 368
BEND (NEW) 121
CHEMULT
MEDFORD 19

MILES
STATUTE

SPOKANE 3

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS I USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RAnge LEGS IDENTIFY 'N' QUADRANTS.

DOROTHY SCOTT
TONASKET
OKANOGAN No 1
OKANOGAN LEGION
COLVILLE
NEWPORT
HAFER'S
DEER PARK
SPOKANE 365
COEUR D'ALENE 347
SANDPOINT
EUREKA
LIBBY
THOMPSON FALLS
ANDERSON
CHELAN
EPHRATA 269
DAVENPORT
CALKINS AIR TERMINAL
FELTS 278 (118.5)
SPOKANE AAF 245 (126.18)
COEUR D'ALENE AIR TERMINAL
"J Z"
WILBUR
COULEE CITY
EPHRATA
HARRINGTON
SAVAGE
GEIGER AAF
SPRAGUE
HARRINGTON
WEEKS
KELLOGG
LE MEN
ROSALIA
ST MARIES
TEKOA FLY CLUB
MOSES LAKE AAF
RITZVILLE
LIND
MULLAN PASS 206
TO ELLENSBURG
TO SUPERIOR
GREAT FALLS 6
SEATTLE
WASH 5 D A
WASH 8 D A
CONNELL
LA CROSSE
WASHTUCNA
PULLMAN MOSCOW REGIONAL
ASOTIN CO
OROFINO
LEWISTON
SUNNYSIDE
RICHLAND
NAS. PASCO
PROSSER
VISTA
TWIN CITY
TOUCHET VALLEY
WALLA WALLA 212
MARTIN
WALLA WALLA AAF
SKY RANCH
OREGON SKY RANCH
WASH
ORE.
IDAHO CO
PENDLETON 278 (118.7)
HERMISTON
BOARDMAN
TO THE DALLES
CABBAGE HILL
PENDLETON AWYS SER
ENTERPRISE
JOSEPH
On request
LA GRANDE 329
LA GRANDE
LEXINGTON
PENDLETON 341
PILOT ROCK
ORE.
IDAHO
McCALL
CASCADE
SEATTLE
SALT LAKE CITY
SEATTLE 2
BAKER 221 (116.1)
JOHN DAY
BAKER
WEISER
On request
ONTARIO 382
PAYETTE
ONTARIO
BOISE 350
ELKO 22
OVER

RADIO

IDAHO

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
COEUR D'ALENE (Air	347 (KO)	BMRLZ-DT, 321°,5.2	(4)
PAYETTE FM	(..- - - -)	FM, 301°,49	Boise

MONTANA

MULLAN PASS	206 (MN)	BMRLZ-DT	(4)

OREGON

BAKER	221 (BK)(116.1)	SBRAZ-VDT;116°,2.1	(4); 116.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329 (IU)	MHT	(4)
ONTARIO	382 (OO)	MHT	(4)
PENDLETON	341 (PO)	SBRAZ-DT	(3)
Pendleton Field	278 (118.7)	C; 247°,2.3	(4);131.9,126.18,118.7
LA GRANDE FM	(- - - -)	FM, 300°,38	Baker

WASHINGTON

EPHRATA	269 (EP)	BMRLZ-DT; 336°, 3.9	(4)
FELTS (Spokane)	278 (118.5)	C	(4);118.5,126.18,131.9
HARRINGTON FM	(- - - -)	FM,236°,45.3	Spokane
SPOKANE (Felts)	365 (SM)	SBRAZ-DT;332°,1	(3)
→ SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
WALLA WALLA	212 (WL)	SBMRLZ-DT;182°, 4	(4)

S-Simul Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker (3) 3105, 4495, 6210 kcs
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+- Army ACS transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cascade	1 E;rd N	4765	29 S2	80 oct.Pole line NW.
Cayuse Creek,USFS (NC)	40 ENE Pierce	3700	23	
Chamberlain,USFS (Dixie)(NC)	17.6 SE	5765	21	Maintained May to Nov.
Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50'poles S
Dixie,USFS (NC)	4 SW;creek E	5200	28	Obst N,E,S.
Idaho Co.(Grangeville)	0.9 N;rd W	3295	44 S2	80 oct.20 pole line W.
Kamiah	0.6 SE;RR E	1194	28	Rough, Trees NNW.
* Kellogg Int,29B,SA-HL	0.8 NW;riv N	2300	38 L3 S4	73 oct,10' dike W.
Landmark,USFS(Knox) (NC)	7.7 ESE	6680	15	Maintained June to Nov.
(P) Lewiston	2 S;riv NW	1426	50h L	Port rnwy lgts.
McCall	1 S;RR W	5021	23 S4	80 oct.Trees W.
Orofino	1.3 W;riv NE	1000	24 S1	80 oct,1000' mtns WNW.
Payette	2 NE;RR W	2200	35	Road crosses fld SE.[ENE
Priest River (NC)	0.9 NNW;RR S	2165	21	Trees E;hill W.
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct,No sto;Pole line
Tekoa Flying Club (Tensed)	5 NNW;creek N	2650	16 S2	80 oct. W.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
Weiser	2.8 S;RR NE	2120	34 S2	73 oct.
St. Maries	1.2 NW;hwy S	2132	23	

MONTANA

Eureka	2.7 NNW;RR N	2680	20	
Libby, USFS	1 NE;riv S,E,W	2090	30	Mtns sur fld.
Thompson Falls	3.2 ESE;RR N	2460	25	Mtns E,S.

OREGON

Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80 oct.No sto.
Boardman Flight Strip	5.6 WSW;RR N	378	42h	
Hug's (Elgin)(NC)	0.8 N;RR E	2670	14	
Joseph	1.2 W;RR E	4150	33 S2	80 oct.
La Grande	5.5 ESE;RR SW	2713	47h R1 L2 S5	80 oct.
Lexington	0.7 N;hwy E;RR SW	1650	30 S1	80 oct.
Ontario	2.5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oreg.Sky Ranch(Milton)	3.7 SSW;RR E	1300	20 S6	73,80 oct.
PENDLETON	3 WNW;hwy S	1492	63h R2 L5	
"Arwys Inc (Pendleton)	3.8 ESE;RR N	1200	37 S6	80,91 oct.Poleline E.
Pilot Rock	0.8 E.hwy N	1780	25 S2	80 oct
Hermiston	1.7 SE;riv N	635	23 S1	80 oct.
Enterprise	1.4 WNW;RR SW	3750	34	

WASHINGTON

Asotin Co.(Clarkston)	0.6 N	760	34 S6	80,91 oct.Mtn 1 mi W.
Anderson (Pateros)	1.6 SSW;RR N	1100	16	Mtns NW.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct.Trees 200' W.
Chelan	4.7 NE;riv E	1250	34 S2	Fuel. Hills W,N,S.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
Connell	1.2 SSW;RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW;hwy S	2425	28 S1	80 oct.Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
Dorothy Scott (Orov'l)	3 NNE;lake W	1150	40 S1	73 oct.2000' mtn S.
Ephrata	2 SE;hwy NW	1258	73h R1 S6	80 oct.
Fairweather(Republic)	0.8 S;riv E	2500	20	Trees N,S. (NC)
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91oct.ARPT OF ENTRY
(N) Geiger (Spokane)(A)	6.5 SW;hwy N	2354	82h	INACTIVE.
Hafer's Ranch (Chewelah)	3.6 SSW;RR E	1700	18	
* Harrington Int,19,SA-HL	1 NNW;hwy E	2305	32 L3	
"J Z" (Almira)	1 NNW; RR SW	1950	21	
La Crosse,28B,PD-SM	2.5 SW;RR NW,E	1459	37 L3 S1	80 oct.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct.No sto,Poleline NNE.
Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Pl.)	1.5 WSW; RR N	750	24 S6	80,91 oct.No sto.Trees
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	INACTIVE. [ENE.
Newport	1 W;riv NE	2150	29 S2	No fuel.Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	24 S1	80 oct.Posts NE.
Okanogan Flgt Strip (Omak)	4 N	1298	47h	
(N) Pasco NAS (N)	2.8 NNW;RR E	402	47h	INACTIVE.
Prosser	1.4 NW;riv SE	685	40 S6	80,91 oct. Trees W.
Pullman-Moscow Reg'l	3.4 ENE;RR S	2549	51h S6	80 oct. (Pullman)
→ Richland	1.3 SSE;riv NE,SE	365	23 S1	80 oct.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct.Pwrline,bldgs NE.
Rasalia	2.6 W	2180	26 S1	80 oct.Hill NE.
→ Sky Ranch(College Pl.)	1 E; RR S	800	30 S1	80 oct. Pwr line WSW
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct.JP-1.No sto
Sullivan Lake (Metaline Falls) (NC)	4 ESE;lake S	2590	21	Road crosses fld,caution.
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	31 S1	80 oct.Pwr line SSW.
Vista (Kennewick)	4.5 W;rivers NW	516	35h	
Wallace (Mead)(NC)	2 W;RR E	1935	26	40 trees NE.
(A) WALLA WALLA AAF	3 NE; hwy S	1186	72h R1	CLOSED (A)
Washtucna	1 S;RR SE,NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct,Pole line NE.
→ Sprague	0.7 NE; RR S	2000	21	
Twin City (Kennewick)	1.3 SE; RR E	385	30 S6	80,91 oct.
→ Savage (Cheney)	0.7 WSW; RR SE	2400	24 S1	80 oct.
Touchet Valley (Huntsville)	0.5 NE;RR S	1400	19	Trees,pole line WSW.(NC)

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA.

RADIO — IDAHO

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388 (DZ)	SBRAZ-DT, 332°,1.7	(4)
MONTANA			
ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- - -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL)	SBMRAZ-DT,319°,0.8	(4)
BUTTE	233 (BT)	BMRLZ-DT,99°,16.1	(4)
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV)	SBRAZ-DT,327°,3.1	(4)
DILLON (Int.)	379 (DE)	BMRLZ-DT,167°,2	(4)
DRUMMOND (Int.)	296 (DR)	SBMRAZ-DT,185°,1.4	(4)
GREAT FALLS	317 (GT)	SBRAZ-DT	(3)
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.9	(4);126.18,131.9,118.7
→ GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371 (HL)	SBMRAZ-DT,252°,1.9	(4)
→ HOMESTAKE FM	(- - -)	FM, 99°, 21	Butte
LIVINGSTON (Int.)	224 (LT)	SBMRAZ-DT,247°,2	(4)
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308 (MX)(116.1)	SBMRAZ-VDT,120°,1.5	(4); 116.1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254 (SP)	BMRLZ-DT,275°,0.1	(4)
WHITEHALL (Int.)	284 (WW)	SBRAZ-DT,183°,2.3	(4)
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)

1 S-Simul. Range and Voice, W Without Voice 2 VHF Range Station Location Marker. (3): 3100, 6495, 6210 kcs; (4): 3105, 6495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice ★ - Army A C S transmits on and guards 116 1, 137 88, 140 58 mcs

AIRPORTS — IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs (NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
Challis	1.2 NNE;hwy E	5000	34 S1	73,80 oct.
Dubois ,23,SL-GT	0.8 SSE	5123	48 R1 L3	30° pole W.
Flying R (Lake)	2.8 SE;lake W	6630	34 S1	Ltd 73 oct.
Moose Creek,USFS (Red Riv,Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld. (NC)
Salmon	4 S;riv W	4045	40 S2	80 oct,Mtns NE.
MONTANA				
Anderson (Conrad)	4.8 SE;RR W	3730	16	PRIVATE.
Basin Creek (Flathead Nat l Forest)(NC)	56 NE Missoula	4900	21	Closed to public
Big Prairie (Flathead Nat l Forest)(NC)	57 NE Missoula	4650	22	Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	58 SE Kalispell	4200	22	Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25	(NC)
BUTTE	4 S;RR W,N	5553	56h R1 L5 S4	80,91 oct.
Chester	1.5 NW;RR S	3150	44	
Choteau	1.2 NNE;RR W	3810	39 S4	80 oct.
Condon (Flathead Nat l Forest)(NC)	48 NNE Missoula	3690	25	
Conrad	1.1 W; creek S	3530	32 S1	80 oct.
CUT BANK	3 SW;riv 1 E	3899	87h R1 L5 S6	80 oct. ARPT OF ENTRY.
Deer Lodge	1.5 W;RR E	4700	38 S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6008	70h L2	
★ Dillon Int,32, SL-GT	4.6 ENE;riv 2 W	5238	38 R1 L3 S1	80 oct.

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
★ Drummond Int.44B, SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	
Flathead Co.(Kalispell)	7.4 NNE;RR E	2690	47h L2 S1	80 oct.All lgts prior req.
Fort Benton	1.3 NE;RR SE	2870	27	Poles NW.Soft when wet.
Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80-100 oct.
Gates Park,USFS(NC)	35 W Choteau	5400	26	Sur by mtns.Closed to public.
Geraldine Mun.	0.5 S;RR NE	3200	17 S1	Ltd 73 oct.
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
GREAT FALLS	3.5 WSW;RR E	3664	70h R2 L5 S6	80,91 oct.ARPT.OF ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3459	89h R1 L5 S6	73,91,100 oct.JP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3200	38 L4 S6	73 oct.All lgts prior req.
Hamilton	1.3 ENE;hwy W	3640	24 S6	80 oct.Pole line S.
HELENA	2.5 ENE;hwy W	3894	55h R1 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	58 NE Missoula	4575	20	Sur by mtns.Closed to public
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.Poles NW.
Livingston	6 ENE;RR N,W	4656	62 S1	80 oct.
★ Int,10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3	Poles S.
Meadow Creek (Flathead Nat'l Forest)	48 SE Kalispell	4000	22	(NC)
MISSOULA COUNTY	5.3 WNW;RR N	3199	71h R1 L5 S2	73,91 oct.
Plains	1.3 NNW;RR E	2500	32 S4	80 oct.No sto.30' Poles NW,NE.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	26 S1	73 oct.Ski-equipped acft only Nov. thru April.
Rainbow Skyport (Gregson)	0.7 N;RR E,S	5030	40 S1	80 oct.
Schaeffer (Flathead Nat l Forest)(NC)	50 ESE Kalispell	4855	24	Sur by mtns.
Seeley Lake (NC)	1.5 WNW;lake SE	4150	20	Trees NW.
Sheridan	1.5 SE;RR W	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat l Forest)(NC)	39 SE Kalispell	3800	22	
Stevensville	2 ENE;riv 2 W	3620	30 S2	73 oct.
★ Superior Int,36B,SA-HL	1 S;RR SW	2700	35 R1 L2	Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L2 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	38	
Valier	0.6 S;lake S	3820	35	Caution when wet.
West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld.
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.
Gardiner	1 NNW;RR S	6200	22	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII) (NC)-Not charted. → NEW OR REVISED DATA

6 GREAT FALLS

R EXTREMELY HAZARDOUS O USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ●
(EXCEPT BY ATC REQUEST)

QUARTER CIRCLE M.C. RANCH
CUT BANK 263
LETHBRIDGE
147
76
228
CUT BANK O
TOOLE CO.
CHESTER
48
FLATHEAD CO.
KALISPELL
VALIER
AMBER 2
309
CONRAD
ANDERSON
130
88
CHOTEAU
FORT BENTON
GERALDINE
TANNER
GREAT FALLS MUN.
278(1187,126.18)
GREAT FALLS
317
GREAT FALLS AAF
219(126.18)
CASCADE
20
PELT
22
STANFORD
29
266
90
353
LEWISTOWN
BILLINGS 7
SOME NIGHT LINES ON SIDES OF BARS LEGS IDENTIFY E.T. QUADRANTS.
TO MULLAN PASS
185
POLSON
MISSOULA
308
(116.1)
154
334
PLAINS
SUPERIOR
ALBERTON
15
MISSOULA CO.
107
12000
RED 48
185
22
HELENA
371
GEYSER
47
95
275
96
11000
10000
40
DRUMMOND
296
HELENA
CARRISON
McDONALD PASS
18
252
72
GREEN 2
WINSTON
15
36
SUPERIOR
254
HAILE
48
STEVENSVILLE
22
DRUMMOND
DEER LODGE
WHITE SULPHUR SPRINGS
166
38
358
TOWNSEND
280
SIXTEEN
LIVINGSTON
224
HAMILTON
99
BUTTE
HOMESTAKE
21
RAINBOW
279
WHITETAIL
1-16
50
GALLATIN
139
GREEN 1
133
RED 48
43
46
BUTTE
233
95
256
77
247
RED 7
7000
WHITEHALL
WHITEHALL
284
SHERIDAN
TWIN BRIDGES
DILLON
379
SPOKANE 3
MONT.
IDAHO
77
257
BOZEMAN
329
GARDINER
MONT.
WYO
SALMON
DILLON
GREAT FALLS
SALT LAKE CITY
45
DELL
CHALLIS
FLYING "R"
WEST YELLOWSTONE
DUBOIS
388
DUBOIS
IDAHO
WYO.
73
253
SALT LAKE CITY 23
POCATELLO
332
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BILLINGS 7

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

(R): EXTREMELY HAZARDOUS (O): USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.

110° 109° 108° 107° 106° 105°25

STATUTE MILES 25 50

HAVRE CITY-CO
HARLEM
MALTA AIRPK
ETCHART
VALLEY CO.
SCOBEY
GUSTAFSON
ANDERSON
WOLF POINT
FORT PECK
VINE
CIRCLE
BISMARCK 10
GREAT FALLS 6
TO GREAT FALLS
DENTON
LEWISTOWN
MOORE
FOREST GROVE
LEWISTOWN 353 (116 1)
HARLOWTON
LAVINA
BILLINGS 400 (116 1)
CUSTER (O) 215 (116 1)
CUSTER
NIBBP 25
RAPELJE
BILLINGS 278 (118.7)
BIG TIMBER
LIVINGSTON 224
COLUMBUS (O)
PARK CITY 21
BILLINGS
ZELKA
FORSYTH
MILES CITY 320 (116 1)
MILES CITY
MILDRED
TO DICKINSON
MINNEAPOLIS GREAT FALLS
ST XAVIER
MONT
WYO.
COWLEY-LOVELL-BYRON
POWELL
SHERIDAN CO.
SHERIDAN 2
SHERIDAN 239
DENVER
UCROSS 17
CODY
GREYBULL
BASIN
BUFFALO
GILLETTE MUN.
GILLETTE ARPK
GREAT FALLS
SALT LAKE CITY
ROCK SPRINGS 26
CASPER 269
TO HIGHLIGHT

197 146 270 17 90 145 142 238 60 240 50 229 67 247 118 297 208 326 325 28 298 159

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400(BI)(116.1)	SBRAZ-VDTX	(3);116.1
Billings Airport	278 (118.7)	C(ILS);247°,1.5	(4);118.7,126.18,131.9
BILLINGS LFM	(- - -)	LFM, 247°, 6	Billings
CUSTER (Int.)	215(CU)(116.1)	BMRLZ-VDT,230°,2	(4); 116.1
LEWISTOWN	353(IT)(116.1)	SBRAZ-VDT,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-VDT,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 49°, 25.4	Billings
PARK CITY FM	(. . - - -)	FM, 247°, 21	Billings

WYOMING

SHERIDAN LFM	(- -)	LFM, 117°, 2.3	Sheridan
SHERIDAN	239 (ZY)	SBRAZ-DT,298°,1.8	(4)
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Billings, Mont.	110.3	335	253° Mag.	IM-	MM- ·--·(0.6)	OM- --(4.3)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

R-Simult. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice -+- Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Horn Co.(Hardin)	2.3 ESE,riv W	3000	31	(NC)
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW,hwy N	4450	43 L3	
BILLINGS	2.5 NW,RR S	3565	57h R3 L6 S6	73,91,100 oct.
Bones Bros.Ranch (Birney)(NC)	2 ESE,crk W	3500	29	ROUGH
Chinook (NC)	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21	
Columbus	1 ESE,RR N	3575	50 S1	80 oct.Poles W,E,NW.
★ Custer Int,25,HL-Twin Cities	2.3 E,riv NE	2868	42 R1 L3	
Denton	2.2 SSW,RR N	3850	26 S4	73 oct.
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct.Trees SE.
★ Forsyth Int,30,HL-Twin Cities	3 ENE.riv N	2722	30 L3	
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct.
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct.Poleline E.
Harlem	2.3 NNE,RR E	2560	24 S2	80 oct.
Harlowton	2 WNW,riv S	4400	29 S2	73 oct.
Havre-City-County	4 WSW,lake E	2589	48h S4	80 oct.ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
Jordan (NC)	1.8 WNW,rd S	2637	40	Road W
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	39 L3	
LEWISTOWN	2.5 SW,RRNW	4177	100h R1 L5S4	80 oct.
Malta Airpark	0.8 SW,RR N	2270	31 S4	80 oct.Shrubs NW.No sto.
★ Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L2	
(P)MILES CITY	2.5 NW	2626	56h R1 L5 S6	73,91 oct. Hwy NE.
Poplar (NC)	0.8 N,RR S	1970	33	
Rapelje	1 SE,RR N	4030	38	
Red Lodge (NC)	0.5 WNW	5600	29	ROUGH. Road N.
Roundup (NC)	1.9 N,hwy S	3500	37	Hwy W.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W
Scobey	1 NW,RR S	2458	34 S1	80 oct.
Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)(NC)	2 W,hwy N	3002	18	

WYOMING

Basin	2.5 NE,riv E	3775	34	Hills adj E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	80, 91 oct. Hwy E.
Cody	2 ESE,riv N	5084	47 S6	73,91 oct.Hill E; pole line S.
Cowley-Lovell-Bryon	2 NNE,rd NW	4050	32	
(P)Gillette	5.2 NNW	4380	36 S2	73, 80 oct. Hwy E.
(P)Grey Bull	2 NW,hwy S	3900	44 S2	73 oct.
(P)Powell	8 NNW	5054	42 S2	73 oct.
(P)SHERIDAN COUNTY (Sheridan)	2 SSW,hwy E	3961	60h R1 L5 S6	80,91 oct.
Moore (Mont.)	0.5 E,RR N	4100	20 S2	73 oct.
Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S1	80 oct.Poles NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

RADIO — NORTH DAKOTA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-VDT,260°, 2.3	(4); 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-VDT,167° 2.1	(4); 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
GOLVA (Int.)	266(GA)(116.1)	MHVT	(4); 116.1
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT(Port O'Minot)	209 (UI)	BMRLZ-DT,301°, 3.4	(4)
SOUTH DAKOTA			
PHILIP	206 (IL)	MHT	(4)
PIERRE	347(PX)	SBRAZ-DT,249°, 3.5	(4)
RAPID CITY	221 (RZ)	SBRAZ-DT	(4)
→ Rapid City AAB	396 (126.18)+	CA;345°,5.5	(4); 126.18
SPEARFISH (Black Hills Airport)	335 (SE)	HT	(4)

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Baker	0.8 SSE,hwy N	2290	35 S2	80 oct.Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct.Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.
NORTH DAKOTA				
Beach	0.8 NNW	2814	30 S1	73 oct. RR W.
BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S4	73,80,91 oct.No sto.
Bowman	1.5 W,RR N	3000	24	
Chandler(Williston)	3 W,RR SE	1877	24 S6	80 oct.
Crosby	1 N,RR SW	1962	33	
Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page XIII) NC-(not charted). → New or revised data.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Dunseith (NC)	1.5 S	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 R1 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct.Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S1	80 oct.Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S2	73 oct.Polelines S.
New England	2.4 NE,hwy W.	2666	24 S2	73,80 oct.Poleline W
Parshall	1 S,RR N	1970	22	
(P) Port O'Minot(Minot)	1.6 NNE, hwy W	1724	58h R1 L5 S4	80,91 oct.No bcn.Pwr line SW.
Rhame	1.5 SW,RR NE	3150	23 S1	73 oct.Pole line S.
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct.Poleline N,NW.
★ Washburn Int,4,RK-UI	5.1 N,hwy W	1905	40 L3	Pole line W.
Watford City	1.2 ENE,hwy S	1975	31 S1	73 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct.Obsts N,E,S
Worth(Dickinson)	1.8 SW,riv NW	2455	28 S6	73 oct.Hangar NW.
Wright(Williston)	2 NNE	1876	32h S6	80,91 oct.Data unver.
Wyman (Mott)	1 S,dam N		30 S1	80 oct.Data unver.

SOUTH DAKOTA

Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	53 R1 S6	73, 91 oct.(Spearfish)
Geronime(Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct.Poles sur fld
Halley(Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct.Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct.Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct.No sto.Poleline N
PIERRE	3.5 NE,riv SE	1719	69h R1	
(A) Rapid City AAB(A)	8 NE,RR S	3216	83h R2 L5 S4	73,91,100 oct.JP-1.
Rushmore(Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.
Wynfordner(Lemmon)	1.3 NE,RR S	2580	26 S1	80 oct.Poleline NW.
→ Hettinger (N.D.)	1 NNW;RR S		28 S2	80 oct. Pole line N.Data unver.
→ Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E. ARPT OF ENTRY.

10 BISMARCK

(R): EXTREMELY HAZARDOUS (D): USABLE WITH CAUTION

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "H" QUADRANTS.

105° 104° 103° 102° 101° 100° 49°

25 MILES 0 STATUTE 25

50

48° 47° 46°

CROSBY
PORTAL
PLENTYWOOD
MOHALL
TOWNER
RUGBY
MINOT 209
PORT O'MINOT
121
211
301
31
PARSHALL
MILLER
SIDNEY
WATFORD CITY
FARGO II
102
167
ILO
WASHBURN
GLENDIVE
DICKINSON 308 (116.1)
BISMARCK 230 (116.1)
158
GLEN ULLIN
JUDSON 27
DRISCOLL 30
BEACH
GOLVA
WORTH
MILES CITY 320
6000
69
GREEN 2
256
80
253
5000
238
153
100
GOLVA 266 (116.1) On request
NEW ENGLAND
DICKINSON
BISMARCK
TO FARGO
BAKER
WYMAN
347
333
RHAME
BOWMAN
HETTINGER
WYNFORDNER
MONT.
N.D.
S.D.
BILLINGS 7
MOBRIDGE
MINNEAPOLIS
DENVER
MONT.
WYO.
S.D.
165
168
BLACK HILLS
NEWELL
RUSHMORE
SPEARFISH 335
RAPID CITY 221
PIERRE 347
GERONIME
KALLEY
RAPID CITY AAB 396 (126.18)
144
69
246
PHILIP 206
PHILIP
PIERRE
HIGHLIGHT
122
66
CHEYENNE 27
348
MINOT

[redacted]

FARGO 11

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS
I: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF BOUNDARIES INDICATE "B" CHARACTERISTICS

49° 98° N.D. 98° 97° MINN. 95°

ROLLA
LANGDON
CANDO
DEVILS LAKE
HARVEY
NEW ROCKFORD
MOHR
MATHENY
JAMESTOWN
DAWSON
BISMARCK
ASHLEY
EUREKA
ABERDEEN
BRITTON
LISBON
ABERCROMBIE
HOMESTEAD
STATE SCHOOL OF SCIENCE
FERGUS FALLS
SISSETON
GRACEVILLE
ORTONVILLE
MILBANK
APPLETON
MORRIS
BENSON
WILLMAR
WADENA
ALEXANDRIA
ALEXANDRIA
PARK RAPIDS
DETROIT LAKES
THIEF RIVER FALLS
CROOKSTON
BARNESVILLE
WEST FARGO
WHEATLAND
GREEN 2
BLUE 8
AMBER 1
RED 31
RED 5
GREEN 3
BIEDENFELT
W. W. HOWES
MILLER
WATERTOWN
HOFER-KANNENBETER
CARTHAGE
MADISON
BROOKINGS
MARSHALL
REDWOOD FALLS
MONTEVIDEO
MADISON
WESTBROOK
OMAHA 30
BLAINDREAU

PEMBINA 260
GRAND FORKS 278
JAMESTOWN 344 (116.1)
FARGO 365 (116.1)
FARGO 388 (118.7)
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA
BISMARCK 230
ASHLEY 206
ABERDEEN 329
WATERTOWN 382
HURON 353
ALEXANDRIA 239 (116.1)
WILLMAR 254 (116.1)
PIERRE 347
SIOUX FALLS 245

77 257 170 344 100 27 170 200 80 260 73 257 80 260 253 186 80 260 165 350 160 9 9 165 345 307 97 120 186 109 289 161 166 300 177 341 256 75 76 98 357 70 224 113 263 44 293 234

STATUE MILES
MINNEAPOLIS 14
BISMARCK 10

RADIO — MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	239(AE)(116.1)	BMLZ-VDT,186°,2	(4); 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
WILLMAR	254(IW)(116.1)	SBMRAZ-VDT,357°,3.5	(4); 116.1

NORTH DAKOTA

ASHLEY (Int.)	206 (AI)	MHT	(4)
FARGO	365(FO)(116.1)	SBRAZ-VDT	(3); 116.1
Fargo-Hector Arpt	388 (126.18)	C, 260°, 0.9	(4); 126.18, 118.7, 131.9
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-VDT,253°,1.5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5 5	Fargo.
WHEATLAND FM	(. - - - -)	FM, 260°, 25.5	Fargo.

SOUTH DAKOTA

ABERDEEN	329 (AN)	SBRAZ-DT,341°,2.5	(4)
HURON (W.W.Howes)	353 (HR)	BMRLZ-DT,44°,2.7	(4)
WATERTOWN	382 (WU)	BMRLZ-DT,256°,2.9	(4)

S-Simul. Range and Voice: W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S4	80,91 oct.
Appleton	1.9 NNE,riv S	1010	34 S2	80 oct.Poleline S,SE,SW
Benson	2.4 NW	1031	22	Poleline NW.
Crookston	3 NNW,RR N	875	30 S2	80 oct.Obst sur fld.
Detroit Lakes	2.7 W,RR N	1392	35 S2	80 oct.Rnwy data unver.
Fergus Falls	4.3 W,RR N	1160	23 S1	80 oct.Poleline W
Graceville	0.8 WNW,RR S	1110	16	Poleline S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct.
Marshall	1.5 W,RR NE	1167	35 S4	80 oct
Montevideo	2.2 NNE,RR W	950	19 S2	80 oct.Poleline W,NW
Morris	2.7 WSW,RR N	1134	31 S2	80 oct.Trees,poleline NW
Ortonville	1 ESE,hwy S	1090	21	Hwy W.
Park Rapids	1.7 SSW,RR E	1440	28	Poleline E.
Redwood Falls	1.8 NE,riv NE	1025	25 S2	80 oct.Poleline SE,SW.
Thief River Falls	3.6 S, riv W	1110	20 S1	80 oct.
Wadena	1 E,RR NW	1300	30 S1	80 oct.Poleline S,NW.
Westbrook	1 SE,hwy N	1500	18 S1	80 oct.Poleline W.
Willmar,16,HR-MP	1.5 W,RR E	1130	28 R1 L3 S6	80 oct.

NORTH DAKOTA

Abercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2025	40 R1 L3	
Cando	1.1 SW,RR E	1490	26 S1	80 oct.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	
Devils Lake	2.5 W,hwy S	1450	43h	Poleline W
FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73-100 oct.JP-1 fuel.
GRAND FORKS	2.6 WNW,RR S, E	837	49h R1 L5 S6	73,80,91 oct.ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	30 S1	80 oct.
Homestead(Wyndmere)	6.2 N,hwy W	1100	19 S1	Ltd 73 oct.Trees E,SW.
(P) Jamestown	1.5 NE,hwy S	1493	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	18 S1	80 oct.
Lisbon	0.8 SSW,RR SE	1151	21 S1	73 oct.Polelines N,S.
Matheny (Carrington)	1.3 W,RR N	1580	32 S1	80 oct.Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct.
New Rockford	1.5 N	1533	30	
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct.Ngt svcg on req, ARPT. OF ENTRY.
Rolla	0.7 N,lake S		21 S2	80 oct.Data unver.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct.Poleline N;pwrline E.
(P) Valley City, 71,HL-Twin Cities	1.5 NW,riv NE	1375	31 L3	

SOUTH DAKOTA

Aberdeen	2.9 E,RR N	1299	49h R1 L5 S6	73,80,91 oct.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct.Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Eureka (NC)	6 N, rd W	1895	28	Poles W.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct.Poles sur fld.
Hofer-Kannegieter (Willow Lake)	1.5 E	1787	22 S2	73 oct.Poleline N.Data unver.
Madison	3.7 ENE,hwyS	1688	26 S2	80 oct.Trees W;pole NW
★ Miller,Int,44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW,RR NE	1300	25	Pole line E.
WATERTOWN	2 NW,RR NE	1736	69h R1 L3 S1	80, 91 oct.
(P) W.W.HOWES(Huron)	1.3 NNW	1287	43h R1 L3 S6	73,80,91 oct.
Britton Mun.(S.D.)	2 NNE,RR W	1359	24 S1	73 oct.Poles W.
Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct. Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct Pwr line SE,NNE.

H-hard surfaced runways, R-radio facilities, L-lighting facilities,S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

RADIO — MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED. HRS. OF OPER., REMARKS
DULUTH (Williamson-Johnson)	221 (DH)	SBRAZ-DT, 130, 4	(4)
HAMEL FM	(- - - -)	FM, 298°, 24	Minneapolis
HASTINGS FM	(- -)	FM, 118°, 10.2	Minneapolis
JORDAN-FM	(- - -)	FM, 238°, 26	Minneapolis
LAKE CITY	206 (FE)(116.1)	MHVT	(4); 116.1
MINNEAPOLIS (Wold Chamberlain Field)	266(MP) (116.1)	SBRAZ-VDT, 298°,3.5	(3);116 1
→ WOLD CHAMBERLAIN (Minneapolis)	278(126.18) (142.74)+	AC	(4); 116.1,126.18,142.74

S Simul Range and Voice W Without Voice. Z VHF Range Station Location Marker. (3)-3105 4495 6210 kcs (4) 3105, 4495 6210 3117 5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116 1, 137 88, 140 58 mcs.

AIRPORTS — MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gogebic Co. (Ironwood)	4.5 NNE, RR S	1246	24 S4	80 oct. Soft when wet.

MINNESOTA

Anderson (Cocato)	2.6 ENE,RR S	1020	23 S2	80 oct.Poles S; trees W.
Anoka Flying Service	1.2 SE,riv SW	896	19 S1	80 oct.Poles NE; 629' twr SE.
Baudette	1 N, riv NE		27 S2	80 oct. Data not verified.
Bemidji	3.8 NW RR S	1395	57h S4	80, 91 oct. Rnwy data unverified.
Brainerd	1.3 SSE,hwy W	1210	22 S2	Ltd 73 oct.
(A) Camp Ripley (Little Falls)	7.5 N riv E	1150	52	Tank SE corner (A)
Carleton (Stanton)	0.7 NE,RR W	870	30 S6	80 oct.Polelines sur fld.
Cedar (Minneapolis)	8.5 S, RR W	811	28	
Coleraine	0.8 SSE	1390	25 S1	80 oct.
Ely	1.2 E	1425	24 S2	Poleline W;trees sur fld.
Faribault	1.6 S,hwy W	1060	20 S1	80 oct. Pwr line W.
Fleming (South St. Paul)	1.8 S, riv E	822	15h	
Flying Cloud (Minneapolis)	13.8 SW, riv S	900	28 S1	80 oct. Poles SE, SW.
Gervais (Toft)	1.2 NE,hwy S	800	27 S2	80 oct.
Grand Rapids	1.5 SSE,lake NE	1293	22 S2	80 oct.
Hector	0.7 S, RR N	1100	25 S1	80 oct.Poleline W, NW, SW.
Heywood Gull Lake (Nisswa)	1.7 SSW,lake S	1200	26 S1	80,91 oct.Trees,poles sur fld.
(P) Hibbing	4.5 SE,lake NNW	1367	40h S6	80 oct.
Kenyon	0.8 S,RR E	1240	20 S1	80 oct.Poleline N, NE.
Lake City (Frontenac)	0.5 SE,RR N	775	44 R1 L3 S6	80 oct.
Le Sueur	1.1 S,riv W	900	20 S1	80 oct.Poleline SSW. Rolling.
Litchfield	1.2 NE,RR S	1140	24 S1	Ltd 80 oct. Trees W.
Littlefork	1.8 WNW,riv E	1153	19 S1	80 oct. Poleline S.
Mankato	1.7 SE,hwy W	996	33 L1 S6	80 oct.Pwrline E, NE.
(P) Monticello	1.3 NNE,road S	940	50 S6	80 oct.
New Ulm	1.8 W; RR N	1000	32 S1	80 oct. Poleline N. Hwy N.
Northport (White Bear Lake)	3.2 E, hwy N	1000	23 S6	80 oct.
Osseo	2 NE	875	30	Data not verified.
(P) Otis Lodge (Grand Rapids)	7.5 SW,lake S	1293	30 S1	80 oct. Poleline E.
Pleasant Corner (Dodge Center)	2 ESE;RR N,W	1050	16 S1	80 oct.Poles S,SE; trees SW.
Princeton	1 W, RR E		20 S1	80 oct. Data not verified.
→ Robbinsdale	0.8 NW,RR E	879	17 S6	80 oct. Obsts N, S.
St. Paul	1.5 SE,riv E	704	55h L4	
St. Peter	2.4 NNW,riv E	900	23	Poleline S.
Sells Flying Field (Mayer)	0.4 SSE	750	12	(NC)
Taylor Falls	1.5 W,RR S	950	23 S4	80 oct. No sto.
University of Minnesota (New Brighton)	3 8 N, hwy W	909	34 S6	80 oct. Trees E.
Victory (Minneapolis)	9 N, riv E	860	33 S6	80 oct.

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Virginia	2 WSW,bet RRs	1429	35 S2	73 oct. Poles N.
Waseca	0.5 S,RR NW	1150	39 S1	80 oct. Poleline N,W, E.
(P) Whitney Memorial (St. Cloud)	1.5 NNW,riv NW	1034	32 L3 S6	80 oct.
(P) WILLIAMSON-JOHNSON (Duluth)	6.5 NNW,hwy S	1428	57h R1 L1 S6	80,91 oct. ARPT OF ENTRY.
Winona	4.5 WNW	670	19 L3 S1	80 oct. Bet. RRs.
(A,N) WOLD CHAMBERLAIN (Minneapolis)	6.5 SSE,hwy S	834	59h R2 L4 S6	87-100 oct. JP-1. Rdo rec required.
Wyman (Aitkin)	1.3 N,riv S	1200	8	Poles W.

WISCONSIN

Amery	3.4 NNW,hwy N	1100	26 S1	80 oct.Poleline SE.
Arrowhead (Rice Lake)	1.3 SE,lake SE	1147	24 S4	80 oct.Trees SE.Data unverified.
Ashland	2.5 SSE,RR E	700	22 S3	80 oct. Hi-lines NE, SW.
Boyceville	0.5 SSW,hwy N	948	24 S2	80 oct.Obsts sur fld.
Boyd's Mason Lake (Fifield) (NC)	13 WSW,lake NW	1200	26	
Chetek	1.5 SE,RR S	1050	22 S1	80 oct,Trees N,SE,NW; pole S.
Chippewa Falls	2 S,RR NW	910	26 S2	80 oct.Pole line W, NW.
Colby-Abbotsford (Colby)	1.2 NNW,RR E	1400	19 S1	80 oct.
Dallas	0.7 SSE,RR W	1100	22 S1	80 oct.Pole line S.
Eau Claire	1.5 SSE,riv NW	884	40 S6	80 oct. Obsts sur fld.
(P) Eau Claire Municipal	3.5 NNE,riv NW	885	43h	
Hayward	2 NE,RR NW	1200	30 S1	80 oct.
Hudson Flying Service	3.8 E,hwy N,W	850	15	Pwrline N, W.
Jackson Co. (Black River Falls)	2 E, RR W	855	25 S1	80 oct.
Marshfield	2.3 SSW,hwy W	1253	20 S2	80 oct.
Neillsville	5.7 W,hwy SW	1000	21 S1	80 oct. Trees around fld.
Phillips	1.2 N,riv S	1140	30 S2	80,91 oct.Pole line W, S.
Pines (Bloomer)	0.9 E,RR W	1050	16 S1	80 oct. Poles S, W.
Price Lake (Phillips)	12.5 WNW	1140	22 S1	80 oct. Data not verified.
Rice Lake	3.5 NNE,RR W	1150	26 S1	80 oct. Poles sur fld.
Richard Bong (Superior)	2.3 SW,RR E	674	33 S4	80 oct Pole line SE. 353' twr NW.
Rusk County (Ladysmith)	2.8 SE,RR SW	1150	11 S1	80 oct.
Schlosser (Durand)	2.4 NNW,riv W	800	32 S1	80 oct.
Spooner	5 N	1072	20 S1	80 oct.Data not verified.
Taylor County (Medford)	2 SE	400	19 S2	80 oct.Pole line N, bldg W, NE
Veterans (Menomonie)	0.4 W,riv W	900	28	

MINNESOTA

Owatonna (Minn.)	2.7 NW	1138	25 S4	80 oct.Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page 1101) NC-(not charted). → NEW OR REVISED DATA.

14 MINNEAPOLIS

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

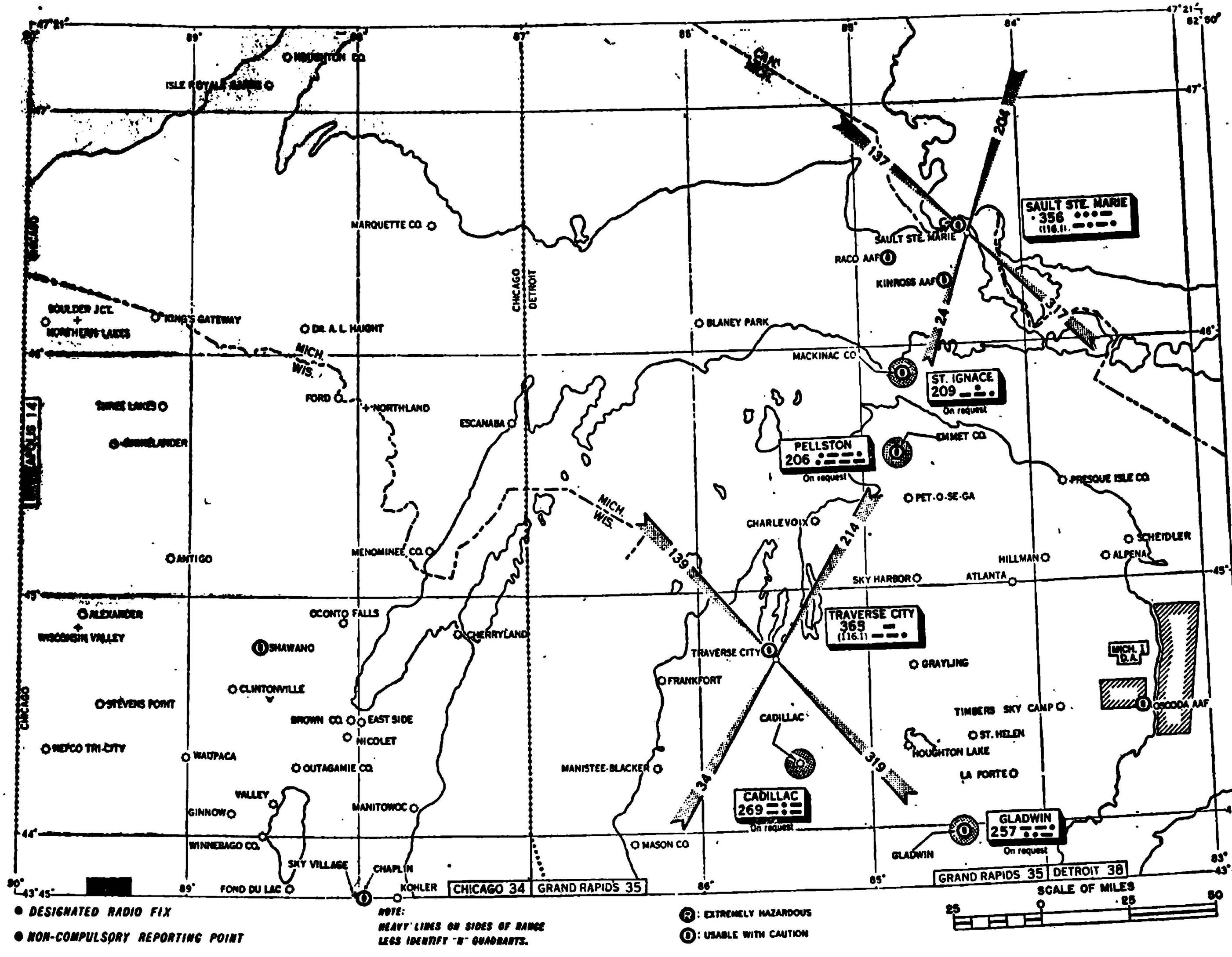
EXTREMELY HAZARDOUS | HAZARD WITH CAUTION

ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

BAUDETTE
CAN. MINN.
LITTLE FORK
ELY
GERVAIS
BEMIDJI
VIRGINIA
HIBBING
COLERAINE
GRAND RAPIDS
OTIS LODGE
WILLIAMSON-JOHNSON
DULUTH 221
RICHARD BONG
ASHLAND
GOGEBIC CO.
WYMAN
HEYWOOD
BRAINERD
CAMP RIPLEY
HAYWARD
SPOONER
PRICE LAKE
PHILLIPS
WHITNEY MEM.
PRINCETON
RICE LAKE
ARROWHEAD
RUSK CO.
TAYLOR FALLS
AMERY
MONTICELLO
ANOKA
VICTORY
U. OF MINN.
CHETEK
DALLAS
PINES
TAYLOR CO.
LITCHFIELD
ANDERSON
OSSEO
MINNEAPOLIS 266 (116.1)
BOYCEVILLE
NORTHPORT
HUDSON
WILLMAR 254
ROBBINSDALE
ST. PAUL
FLEMING
CHIPPEWA FALLS
COLBY-ABBOTSFORD
VETERANS
EAU CLAIRE MUN.
EAU CLAIRE
WOLD-CHAMBERLAIN 278 (142.74, 126.18)
FLYING CLOUD
HASTINGS
HECTOR
JORDAN
LAKE CITY
SCHLOSSER
MARSHFIELD
NEILLSVILLE
SIOUX FALLS 245
R. 5
CEDAR
LE SUEUR
CARLETON
LAKE CITY 206 (116.1)
On request
JACKSON CO.
NEW ULM
ST. PETER
FARIBAULT
KENYON
ROCHESTER 236
WINONA
LA CROSSE 371
MANKATO
WASECA
OWATONNA
PLEASANT CORNERS
DES MOINES 31
WISC. 2 D.A.

ALEXANDRIA 239
WHITNEY MEM.
PRINCETON
GREEN 1
300
118
264
HAMEL
24
WILLMAR 254
ROBBINSDALE
WOLD-CHAMBERLAIN 278 (142.74, 126.18)
FLYING CLOUD
JORDAN
26
SIOUX FALLS 245
R. 5
58
234
NEW ULM
MANKATO
DES MOINES 31
CEDAR
CARLETON
LE SUEUR
ST. PETER
FARIBAULT
KENYON
WASECA
OWATONNA
PLEASANT CORNERS
ROCHESTER 236
298
170
192
13
MINN.
WISC.
BLUE 9
RED WING
LAKE CITY 206 (116.1)
On request
120
WINONA
LA CROSSE 371
236
WISC. 2 D.A.
RED 36
SAULT STE. MARIE 15

BAUDETTE
CAN. MINN.
LITTLE FORK
ELY
GERVAIS
BEMIDJI
VIRGINIA
HIBBING
COLERAINE
GRAND RAPIDS
OTIS LODGE
WILLIAMSON-JOHNSON
DULUTH 221
RICHARD BONG
ASHLAND
GOGEBIC CO.
WYMAN
HEYWOOD
BRAINERD
CAMP RIPLEY
HAYWARD
SPOONER
PRICE LAKE
PHILLIPS
WHITNEY MEM.
PRINCETON
RICE LAKE
ARROWHEAD
RUSK CO.
TAYLOR FALLS
AMERY
MONTICELLO
ANOKA
VICTORY
U. OF MINN.
CHETEK
DALLAS
PINES
TAYLOR CO.
LITCHFIELD
ANDERSON
OSSEO
MINNEAPOLIS 266 (116.1)
BOYCEVILLE
NORTHPORT
HUDSON
WILLMAR 254
ROBBINSDALE
ST. PAUL
FLEMING
CHIPPEWA FALLS
COLBY-ABBOTSFORD
VETERANS
EAU CLAIRE MUN.
EAU CLAIRE
WOLD-CHAMBERLAIN 278 (142.74, 126.18)
FLYING CLOUD
HASTINGS
HECTOR
JORDAN
LAKE CITY
SCHLOSSER
MARSHFIELD
NEILLSVILLE
SIOUX FALLS 245
R. 5
CEDAR
LE SUEUR
CARLETON
LAKE CITY 206 (116.1)
On request
JACKSON CO.
NEW ULM
ST. PETER
FARIBAULT
KENYON
ROCHESTER 236
WINONA
LA CROSSE 371
MANKATO
WASECA
OWATONNA
PLEASANT CORNERS
DES MOINES 31
WISC. 2 D.A.


SAULT STE. MARIE
SAULT STE. MARIE 15
ISLE ROYALE HARBOR
HOUGHTON CO
MARQUETTE CO
BOULDER JCT.
NORTHERN LAKES
KING'S GATEWAY
DR. A. L. HAIGHT
BLANEY PARK
MACKINAC CO
RACO AAF
KINROSS AAF
SAULT STE. MARIE
SAULT STE. MARIE 356 (116.1)
ST. IGNACE 209
On request
PELLSTON 206
On request
EMMET CO
PRESQUE ISLE CO
PET-O-SE-GA
CHARLEVOIX
SCHEIDLER
ALPENA
HILLMAN
SKY HARBOR
ATLANTA
TRAVERSE CITY 369 (116.1)
TRAVERSE CITY
GRAYLING
FRANKFORT
MICH. D.A.
OSCODA AAF
TIMBER SKY CAMP
ST. HELEN
HOUGHTON LAKE
LA PORTE
CADILLAC
CADILLAC 269
On request
MANISTEE-BLACKER
MASON CO
GLADWIN 257
On request
GLADWIN
GRAND RAPIDS 35 | DETROIT 38
CHICAGO 34 | GRAND RAPIDS 35
MICH. WIS.
CHICAGO DETROIT
ARLS 14
ANTIGO
MENOMINEE CO
ALEXANDER
WISCONSIN VALLEY
SHAWANO
OCONTO FALLS
CHERRYLAND
CLINTONVILLE
STEVENS POINT
WAUPACA
BROWN CO
EAST SIDE
NICOLET
OUTAGAMIE CO
WEYCO TRI-CITY
VALLEY
GINNOW
WINNEBAGO CO
SKY VILLAGE
FOND DU LAC
CHAPLIN
KOHLER
MANITOWOC
ESCANABA
FORD
NORTHLAND
RHINELANDER
TOMAHAWK LAKES
197
205
24
139
214
34
319
SCALE OF MILES
25 0 25 50
● DESIGNATED RADIO FIX
● NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS GUARDED, HRS OF OPER., REMARKS
CADILLAC	269 (KK)	MHT	(4)
GLADWIN	257 (GU)	MHT	(4)
PELLSTON (Emmet County)	206 (PJ)	MHT	(4) (6-22)
ST. IGNACE (Mackinac Co.)	209 (EG)	MHT	(4)
SAULT STE. MARIE	356 (VC)(116.1)	SBMRAZ VDT,317°,2.2	(4); 116.1
→ TRAVERSE CITY	365 (TG)(116.1)	SBMRAZ-VDT,319°,2.2	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker: (3) 3105 4495 6210 kcs (4) 3105 4495 6210 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army ACS transmits on and guards 116.1 137.88 140.58 mcs

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alger County (Munising)(NC)	4 SSE,hwy E	850	24	Twr N; woods all sides.
Alpena	6.5 WNW,RR S	685	50h	
Amasa (NC)	4 NW	1560	14	Not maintained.
Atlanta	0.8 ESE	875	20	Trees N, NW, W.
Au Gres (NC)	0.9 NNW,hwy S	590	20	Poles NE,SW.
Baldwin (NC)	1.3 SSE,RR W	835	25	
Beaver Island (St. James) (NC)	4.2 SSW	620	35	
(P) Bellaire (NC)	1 NE,RR W,S	614	30	Poles SE;trees surround fld.
Big Lake (NC)	7.3 SW Baraga	1100	20	Trees on all sides.
Blaney Park	0.5 NW;lake N	850	18 S1	80, 100 oct.
(P) Cadillac, 23, TL-VC	2.5 NW,RR E	1297	34 R1 L3 S4	80 oct.
Calvin Campbell Mun. (NC) (Indian River)	0.8 SE;RR,hwy W	602	20	Pole line N,trees E,W,S.
Charlevoix	0.8 SW,lake NW	642	30 S1	80 oct. Poles W,NW,E.
Doherty (Clare) (NC)	1 NE	840	21	Poles S, NE corner rough.
D.A.R. (Rexton) (NC)	1.9 WSW,RR N	900	22	Poles N.
(P) Dr. A. L. Haight (Crystall Falls)	0.3 ENE,lake E	1390	34 S4	80 oct. Trees, bldgs W.
East Jordan (NC)	1.9 SSE,riv W	640	26	Trees E, W.
(P) Emmet County (Pellston)	0.6 NW,RR E	707	54h R1 L3 S1	80,91 oct. Bcn on req.
Escanaba	2 SSW,hwy E	594	26 S4	73,80 oct. Trees E.
Ford (Iron Mountain)	2.5 W,riv W	1140	23 S6	80,91,100 oct.
Frankfort	1.9 ESE,lake W	650	29 S1	73,80 oct. Sur by hills
(P) Gladwin	0.5 SSE,riv W	780	35 R1 L3 S1	80 oct. Poles NW.
Grayling	1.3 NW,RR W	1152	50h	
Harrison (NC)	2.3 NNW,hwy E	1100	22	Surrounded by trees.
Hillman	2.8 NW	995	20 S1	Ltd 73 oct. Woods all sides.
Houghton Co. (Calumet)	2 SE,RR W	1200	26 S4	80 oct. Twrs, poles W
Houghton Lake (Houghton Heights)	1.2 WNW,lake NNE	1150	27 S2	73,80 oct. Radio twr W,N, lgtd.
Isle Royale Sands (Houghton)	2 ESE,lake SW	605	22 S4	80 oct.
Ishpeming-Dexter (NC)	7 W,RR N,S	1570	25	Poles N.
Kalkaska (NC)	0.5 WNW,RR E	1020	26	
(A) Kinross (A)	2.5 SE	780	55h	INACTIVE
La Porte (West Branch)	6 SE,RR W	890	26	Pole line NW; trees NE, SW.
Luce County (Newberry) (NC)	4.1 SE,hwy S	872	20h	Poles S, trees W.
Mackinac Co. (St. Ignace)	2 NNW,hwy E	600	26 R1 S2	80, 91 oct.
Mackinaw City (NC)	5 S,RR W	700	22	
Manistee-Blacker	4 ENE,riv S	613	23 S2	73 oct.
Marenisco (NC)	1.6 E,hwy N	1551	20	Trees sur. fld.
Marquette County	7.9 W,hwy S	1412	27 S2	80 oct. Poles W.
Mason County (Ludington)	1.7 ENE	640	30	Poles S.

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Menominee County	5 NNE,bay E	590	27 S1	80 oct. Trees sur fld.
Mio (NC)	1.6 N,hwy W	1050	26	
Northland (Norway)	2 W	1060	33 S3	80,100 oct. Pole line N.
Norway Township (Loretto)	2.4 S,lake N	860	21	Trees on side strips. (NC)
Oneway (NC)	0.6 NNE,RR S	770	24	Trees SW,NW,SE.
(A) Oscoda AAF (A)	3.5 NW,lake E	605	50h	INACTIVE.
Otsego County (Gaylord) (NC)	1 SW,RR E	1384	30	Pole line NE.
Pet-O-Se-Ga (Wildwood)	1.8 NW,lake NW	620	20 S2	80 oct.
Petosky-Harbor Spring (Petosky) (NC)	4.5 NE,hwy E,N	620	20	Pole line,ridges E, N.
Poschke's (Harbor Beach)(NC)	2.5 W,rd S	670	18	
Presque Isle (Rogers City)	0.7 SSE,hwy E	658	26 S2	No fuel.
Prickett (Sidnaw) (NC)	0.5 N,RR SE	1300	18	Use caution.
(A) Raco AAF (A)	4 WSW,RR N	910	55h	INACTIVE.
Roscommon (NC)	2.5 SE,RR NE	1100	42	Pole line S.
Roscommon Co. (Prudenville)	4.5 N,riv N	1150	24	Trees sur fld. (NC)
St. Helens	0.9 SE,RR NE	1153	26	
(P) Sault Ste. Marie	1 SSW,hwy E	706	36 R1 L3 S4	80,91 oct. All lgts prior req. ARPT OF ENTRY.
Scheidler (Alpena)	6.3 N,hwy NW	590	22 S1	80 oct. Pole lines N, SW.
(P) Schoolcraft Co. (Manistique)	3.3 ENE,lake S	678	31	Approaches 5:1. (NC)
Sky Harbor (Gaylord)	1 WNW,RR N	1355	26 S1	73,80 oct. Pole line S.
Steuben (Manistique) (NC)	20 NW	850	18	Woods all sides.
Timbers Sky Camp (South Branch)	0.2 NE,riv E	950	24 S1	80 oct.
(P) Traverse City	2.1 SE,RR NE	624	52h R1 L5 S6	80,100 oct. No sto.
Watersmeet (NC)	1.5 NNE,RR SSE	1581	24	Poles SE.

WISCONSIN

Alexander (Wausau)	2.5 S,riv SW	1191	27 L4 S4	73,80 oct. Lgts prior req.
(P) Antigo	2 ENE,hwy N	1483	33 S2	80, 91 oct.
Arbor-Vitae (NC)	2.9 W,RR S	1600	22	Pole line E, N.
Boulder Junction	1.5 NW		38 S1	80,91 oct. Data unverified.
Brown County (Green Bay)	2.2 WSW,hwy SE	590	28 S6	80,91 oct. Pole line NE,SE,S.
Chaplin Arpk (Plymouth)	0.5 N,RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay)	2 WNW,bay E	590	40 S2	80 oct. Pole line W,S.
Clintonville	1 ESE,RR SW	828	34 S6	91,80 oct. No sto. Pole line SW
Eagle River (NC)	1.3 NW,riv NW	1675	32	
East Side (Green Bay)	1.8 SE,RR S	600	19 S1	80 oct. Pwr line N,NE,NW.
Fond du Lac	2.6 ENE,lk NNW	769	26 S2	80 oct. 50' hi-line N.
Ginnow (Omro)	3 N,RR E	800	19 S2	80 oct. Trees SW.
King's Gateway (Land O' Lakes)	0.5 SSE,RR W	1736	31 S2	80 oct. Twr NE; pole line NW.
(P) Kohler	1 N,hwy S	647	30 L1 S6	80 oct. Obst sur fld.
Manitowoc	1.6 NNW,RR W	653	26 L3 S4	80 oct. No bcn. Obsts sur fld.
Merrill (NC)	1.2 NNW	1285	22	Pole line NE.
(P) Nepco Tri City (Wisconsin Rapids)	2.5 SSW,riv W	950	36 L2 S6	80 oct. Lgts on req.
Nicolet (De Pere)	1.5 S,RR E	620	22 S4	80 oct. Pole line E,W. Data unver
Northern Lakes (Manitowish)	6.8 E,hwy N	1600	35 S1	80 oct. Trees E,W
Oconto Falls	2.7 ENE,RR S	600	20 S1	80 oct. Pole line N.
Outagamie Co. (Appleton)	2.2 ENE,RR S	750	29 S2	80 oct. Obsts sur fld.
Rhinelander	2 W,riv SE	1598	37 S2	80 oct. 10' bank NE.
Shawano	2.3 ENE,lk NE	813	40 S2	80,91 oct. Poles SW. Rnwy data unver
Sky Village (Plymouth)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point	3 NE,riv SE	1090	40h S6	73,80 oct.
Three Lakes	0.5 S	1664	23	Bldgs, trees around fld.
Tomahawk (NC)	0.5 WNW	1450	15	
Valley Airways (Neenah)	4 SSW,RR E	750	21 S2	80 oct. P-line E. Data unver.
Washington Island (NC)	0.6 NNE of Detroit Harbor	600	24	
Waupaca	4 ESE,riv N,E	853	25 S1	80 oct. Trees around fld.
(P) Winnebago Co. (Oshkosh)	2 SSW,RR NE	776	50h L1 S4	80 oct. No sto. P-line NE,N,W. Rnwy data unver
Wisconsin Valley Inc. (Wausau)	7 S		34 S2	83 oct. Data unver.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

RADIO — MAINE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA	221(AW)(116.1)	BMRLZ-VDT;81°,2	(4); 116.1
BANGOR (Dow)	239(BB)(116.1)	SBRAZ-VDT;172°,2.1	(3); 116.1
→ DOW (Bangor)	278 (126.18)+	AC (ILS)	(4);118.7,131.9,126.18
EAST CORINTH FM	(- - - -)	FM, 352°, 13.5	Bangor.
HOULTON	272(HJ)(116.1)	BMRLZ-VDT;195°,3.1	(4); 116.1
LIMESTONE FM	(-)	FM, 57°, 22.3	Presque Isle
MILLINOCKET	344(MT)(116.1)	SBRAZ-VDT;292°,1.6	(4); 116.1
PRESQUE ISLE	388 (ZQ)	SBRAZ-DT	(4)
→ Presque Isle AAF	278 (126.18) +	AC(ILS);189°,3.4	(4);338,365;116.1,140.1,131.9,
Presque Isle AAF	365 (RU)	SBMLZ; 9°, 3.8	(4) 126.18.

NEW YORK

→ MASSENA			VHF range to be comm soon.

VERMONT

BURLINGTON	323(JG)(116.1)	SBRAZ-VDT	(3), 116.1
Burlington Airport	278	C; 151°,2.8	(4)
GRANDE ISLE FM	(- - - -)	FM, 349°, 15	Burlington
HUNTINGTON FM	(- -)	FM, 151°, 17	Burlington
MONTPELIER (Barre-Montpelier)	257 (UV)(116.1)	BMRLZ-VDT,230°,2.8	(4); 116.1
VERGENNES FM	(- - -)	FM, 210°, 25.4	Burlington

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ Dow, Maine	109.9		150°Mag.	IM- ·····(.06)	MM- ·-·- (.85)	OM- --(4.80)
					MMK-	OMK-
→ Presque Isle AAF, Maine	109.9		10°Mag.	IM- ·····(.05)	MM- ·-·- (1.00)	OM- --(5.00)
					MMK- 201 (1.00)	OMK- 219 (5.00)
				IM-	MM-	OM-
					MMK-	OMK-

S Simul. Range and Voice. W Without Voice. Z VHF Range Station Location Marker. (3- 3.05, 4.55, 6.20 kcs; (4) 3.155, 4.46, 6.210, 3317.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and puts 15 116.1 [illegible] mc

AIRPORTS — MAINE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
AUGUSTA	1.5 WNW,hwy S	354	34h R1 L5 S6	80,91 oct.Fld lgts prior req.
Andover (NC)	2.5 S,hwy E	675	14	1125' hill, pole E.
Bar Harbor	9 NW,hwy W	87	45h S6	80 oct.
Bethel	1.6 NW,RR E	660	20 S1	80 oct.
Belfast	1 SW,hwy E	160	40h S4	80 oct. No sto.
Bishop (LaGrange)	0.8 N,RR W	360	20	WSW,ENE blocked.
Caribou	1 NW,hwy E	623	35h S6	80 oct.No sto.Bldg E.ARPT OF ENTRY
Deblois Flight Strip	2 SE,riv W,N	219	40h	
(P) Dexter	3 ESE,rd W,S	485	30h S2	80 oct.
Doanes (Brewer)	1.6 S,RR W	100	15 S5	80 oct. Poles NNE; trees SE.
→(A) DOW (Bangor)(A)	2 W,RR S	160	70h R3 L6 S4	100 oct.
Eastport	1.5 WNW,hwy NE	70	28h S1	80 oct. Pole line NW.
Fryeburg Arpk	1.3 E,RR S	400	20 S2	80 oct. Pole line S.
Greenlaw (Auburn)	1.8 W,hwy S	238	14 S6	80 oct. Bldg S.
Greenville	2 ENE	1750	30h L3 S1	80 oct.
Guertin (Lewiston)	1 NE	220	12 S2	87 oct. Trees, poles SSW.
HOULTON	2.5 E	474	57h R1	
LEWISTOWN-AUBURN (Auburn)	4.5 SW,RR W	290	45h L5 S4	80,91 oct.
Maheux (Minot)	3.5 NNW,hwy NE	720	21 S6	80 oct. Trees SSE.
Millinocket	0.5 SE,hwy W	404	50h R1 L5 S1	91 oct. Fld lgts prior req.
Newport	1.5 ESE,hwy N	280	21 S1	Ltd 80 oct. Pole line N.
Norridgewock	3.7 W,riv NE,W	270	40h	Trees ENE.
Norway	1 N,RR S	387	18 S1	80 oct. Pole line SE.
Old Town	1.8 NNW,riv N	109	40h L3 S5	80 oct.
Pittsfield	0.7 SSE,hwy E	190	40h S6	80 oct. Sand pile, bldg E.
Pittston	1.8 ENE,RR W	140	18	NW,SW,S blocked.
(A) PRESQUE ISLE AAF (A)	1.5 WNW,RR E	517	68h R3 L6 S6	91,100 oct.No sto.ARPT OF ENTRY.
Princeton	1.5 SSE,hwy NE	250	40h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page) NC (not charted). → NEW OR REVISED DATA

MAINE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Rangeley	1.6 NNW,hwy S	1810	15	
Raymond's (Phillips)	0.8 S,riv E	556	22 S1	80 oct. Rnwy info. unver.
Rockland	3 SSE,rd NE	49	45h L5 S6	80,91 oct. No sto.
Rollins (Turner)	2.5 NNW,rd E	335	20 S6	80 oct.
Roy L.Fernald (Winterport)	3 WNW,hwy S	182	40h L3 S1	80 oct. Lgts prior req.
Tomlinson (Skowhegan)	1 NNE,riv S	240	21 S6	80 oct. Poles S,NW.
Waterville	1.8 SW,riv E	303	40h L5 S6	80,91 oct.Fld lgts prior req.
Weston (Madison) (NC)	1 N,riv W	300	19	Poles WSW.

NEW HAMPSHIRE

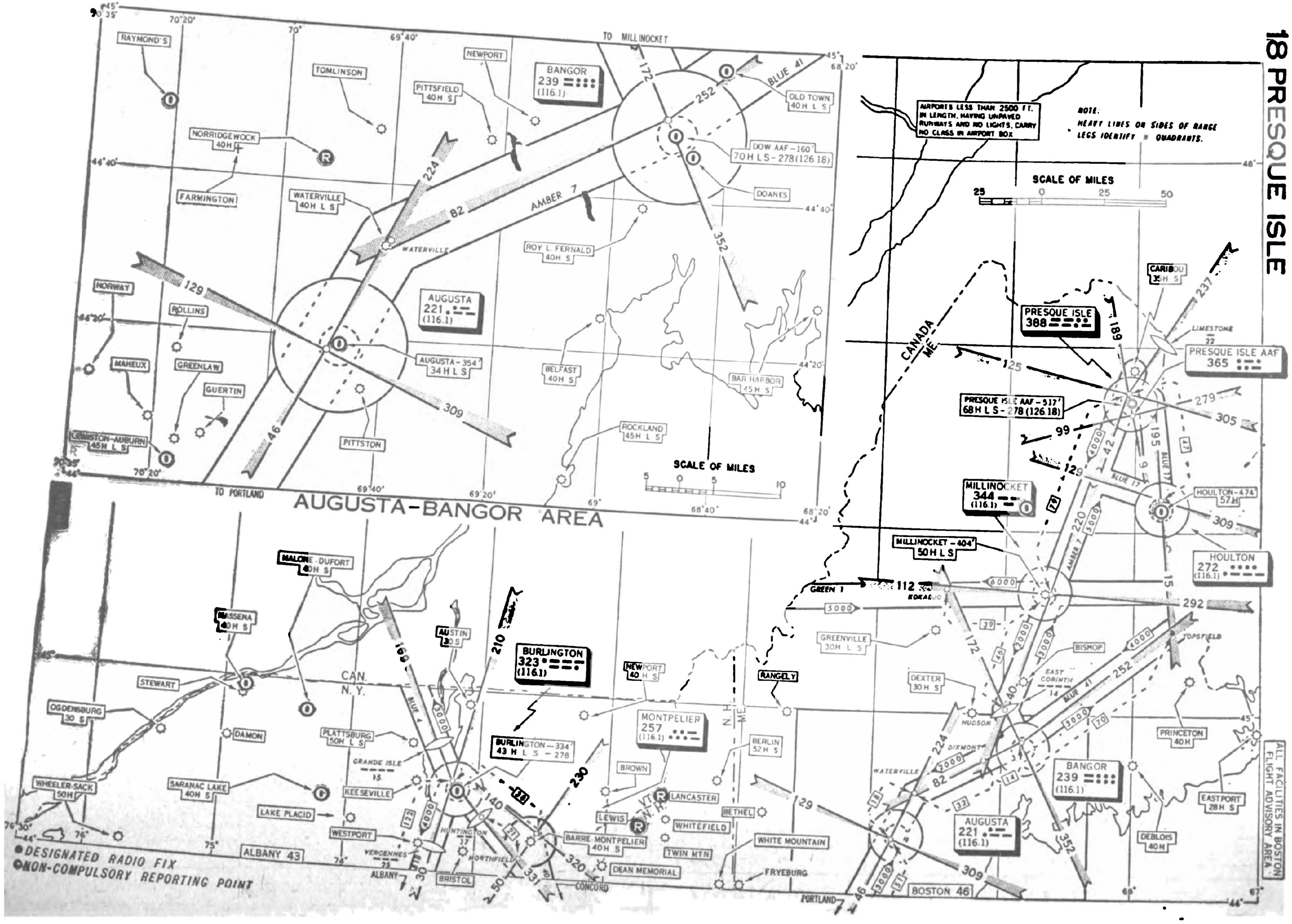
Berlin	7.5 N,riv W	1140	52h S3	80,91 oct. No sto.
Dean Memorial (Haverhill)	4.1 NE,RR W	570	15 S1	80 oct. Trees N,NW.
Lancaster Arpk.	0.3 N,riv W		20 S1	80 oct. Data unver.
Lewis (Littleton)	2.5 E,RR S	900	18 S6	80 oct. No sto.
Twin Mountain	0.8 SW,RR N	1430	18 S1	80 oct.
Whitefield	3 ESE,RR N	1030	24 S1	73 oct.
White Mountain (No.Conway)	1.9 SSE	540	23 S4	80 oct. Trees W, NW.

NEW YORK

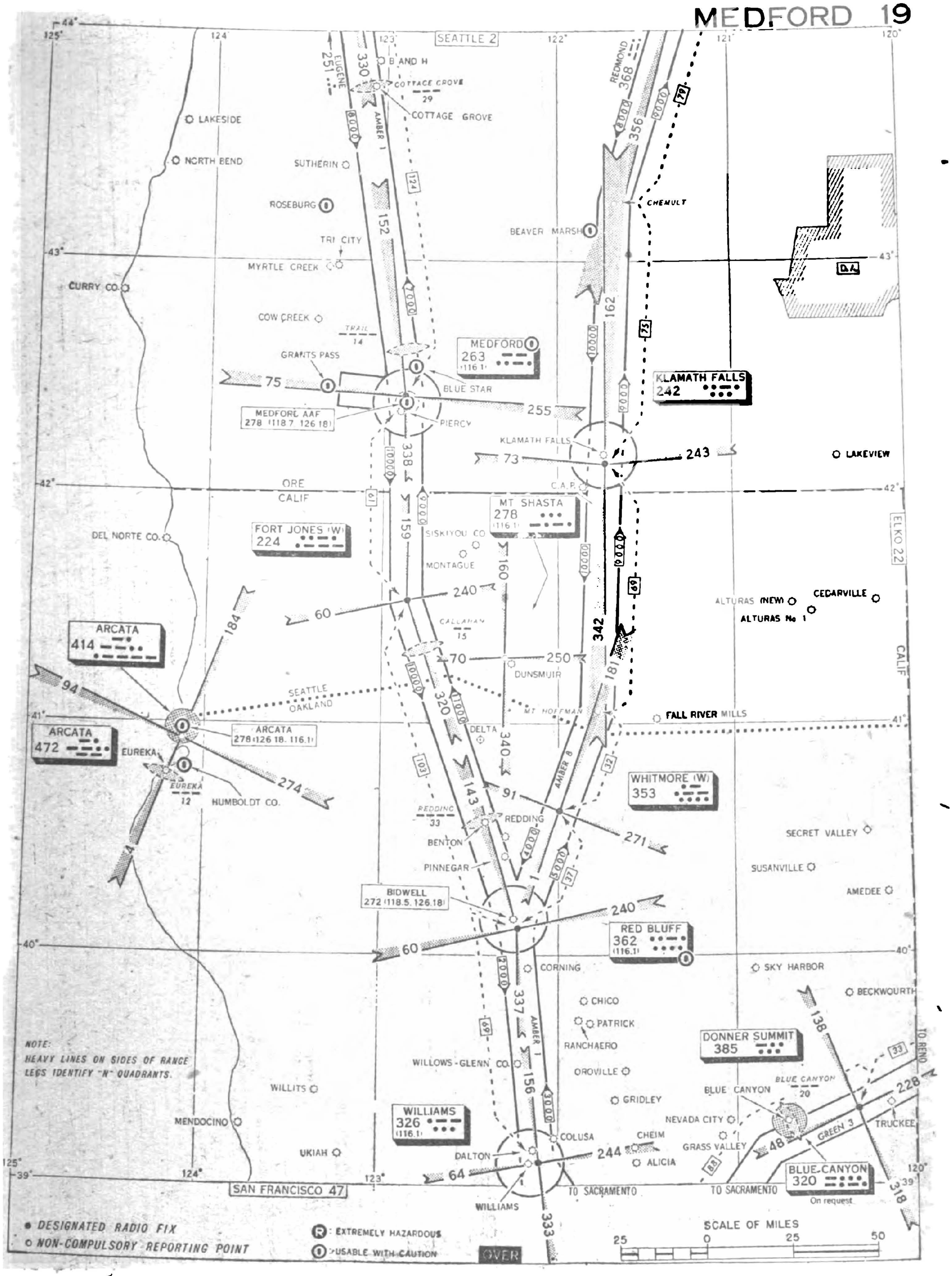
Bradley (Watertown) (NC)	2.2 N,RR E,W	435	18	Rough. Pole line W,SW.
Damon (Potsdam)	1.5 E,riv,RR W	460	19 S1	80 oct. Pole line N.
Keeseville	1.4 S,riv W	490	20	Pole W.
Lake Placid	2 SE,RR NW	1750	21 S1	80 oct.
(P) Malone-Dufort	2 W,RR N	790	40h S1	80 oct. ARPT OF ENTRY
Marcy (Keene) (NC)	2.5 S,hwy E	1000	18	Mtn N,S
(P) Massena	2.2 E,riv SE	200	40h L1 S6	80 oct. Bcn on req.Trees WSW ARPT OF ENTRY.
Ogdensburg	1.5 SE,RR W	285	30 S6	80 oct. ARPT OF ENTRY
(P) Plattsburg, mun.	3.4 WSW,riv W	375	50h L5 S1	80, 91 oct.
(P) Saranac Lake	5.3 NW,RR NW	1655	40 L1 S1	80 oct. Bcn on prior req.
Stewart (Massena)	2.1 SE,RR NE	210	20	
Tupper Lake (NC)	1 E,RR NW	1680	8	Use strips only.
Westport	2 S,RR W	285	22 S2	80 oct.
Wheeler-Sack(Great Bend)	1 NNW,riv S	680	50h	

VERMONT

Austin (Swanton)	1.7 NE,RR W	235	30 L S6	80 oct No sto.Port rnwy lgts. ARPT OF ENTRY.
BARRE-MONTPELIER(Berlin)	0.8 SE	1149	40h R1 L5 S2	80,91 oct.
Bristol	0.7 W,riv SE	570	22 L S6	80 oct Port rnwy lgts.1680' mtn SE.
BURLINGTON	3 E,lake N	334	45h R2 L5 S6	80,91 oct. ARPT OF ENTRY.
Newport	3 SSW,RR E	930	40h L2 S1	Ltd 80 oct.All lgts prior req.
Brown (St. Johnsbury,Vt.)	5.2 N; RR E	807	23 S2	80 oct. Hills W, SW.


AUGUSTA-BANGOR AREA
TO PORTLAND
TO MILLINOCKET
RAYMOND'S
TOMLINSON
NEWPORT
PITTSFIELD 40H S
BANGOR 239 (116.1)
OLD TOWN 40H L S
BLUE 41
172
252
NORRIDGEWOCK 40H
FARMINGTON
WATERVILLE 40H L S
224
B2
AMBER 7
DOW AAF – 160' 70H L S – 278 (126.18)
DOANES
352
ROY L. FERNALD 40H S
WATERVILLE
NORWAY
ROLLINS
129
AUGUSTA 221 (116.1)
AUGUSTA – 354' 34H L S
MAHEUX
GREENLAW
GUERTIN
BELFAST 40H S
BAR HARBOR 45H S
309
LEWISTON-AUBURN 45H L S
PITTSTON
46
ROCKLAND 45H L S
SCALE OF MILES
5 0 5 10
69°40'
69°20'
69°
68°40'
68°20'
MALONE-DUFORT 40H S
MASSENA 40H S
AUSTIN 30S
169
210
BURLINGTON 323 (116.1)
NEWPORT 40H S
RANGELY
CAN.
N.Y.
STEWART
OGDENSBURG 30 S
DAMON
PLATTSBURG 50H L S
GRANDE ISLE 15
BLUE 4
3000
BURLINGTON – 334' 43 H L S – 278
MONTPELIER 257 (116.1)
N.H.
ME
BERLIN 52H S
BROWN
WHEELER-SACK 50H
SARANAC LAKE 40H S
KEESEVILLE
LAKE PLACID
WESTPORT
VERGENNES 75
ALBANY
ALBANY 43
HUNTINGTON
NORTHFIELD
BRISTOL
CONCORD
LEWIS
BARRE-MONTPELIER 40H S
DEAN MEMORIAL
LANCASTER
BETHEL
WHITEFIELD
TWIN MTN
WHITE MOUNTAIN
FRYEBURG
PORTLAND
BOSTON 46
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY QUADRANTS.
SCALE OF MILES
25 0 25 50
CARIBOU 35H S
PRESQUE ISLE 388
CANADA
ME
237
189
LIMESTONE 22
PRESQUE ISLE AAF 365
125
PRESQUE ISLE AAF – 517' 68H L S – 278 (126.18)
279
305
99
42
195
129
MILLINOCKET 344 (116.1)
HOULTON – 474' 57H
220
309
MILLINOCKET – 404' 50H L S
HOULTON 272 (116.1)
GREEN 1
112
292
GREENVILLE 30H L S
BISMOP
DEXTER 30H S
EAST CORINTH
TOPSFIELD
HUDSON
PRINCETON 40H
DIXMONT
BANGOR 239 (116.1)
EASTPORT 28H S
AUGUSTA 221 (116.1)
DEBLOIS 40H
ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA

MEDFORD 19


SEATTLE 2
44°
125°
124°
123°
122°
121°
120°
43°
42°
41°
40°
39°
LAKESIDE
NORTH BEND
SUTHERIN
ROSEBURG
TRI CITY
MYRTLE CREEK
CURRY CO.
COW CREEK
TRAIL 14
GRANTS PASS
75
MEDFORD AAF 278 (118.7 126.18)
EUGENE 251
330
B AND H
COTTAGE GROVE 29
COTTAGE GROVE
AMBER 1
8000
124
152
7000
MEDFORD 263 (116.1)
BLUE STAR
255
PIERCY
338
10000
9000
ORE
CALIF
61
159
FORT JONES (W) 224
DEL NORTE CO.
SISKIYOU CO
MONTAGUE
160
240
60
184
CALLAHAN 15
ARCATA 414
94
SEATTLE OAKLAND
ARCATA 278 (126.18. 116.1)
ARCATA 472
EUREKA
EUREKA 12
HUMBOLDT CO.
274
4
70
250
DUNSMUIR
1000
320
1100
MT HOFFMAN
DELTA
340
103
143
91
REDDING 33
REDDING
BENTON
PINNEGAR
BIDWELL 272 (118.5. 126.18)
4000
5000
37
240
60
CORNING
2000
337
AMBER 1
156
3000
69
CHICO
PATRICK
RANCHAERO
WILLOWS-GLENN CO.
OROVILLE
GRIDLEY
WILLITS
MENDOCINO
UKIAH
WILLIAMS 326 (116.1)
COLUSA
DALTON
CHEIM
ALICIA
244
64
WILLIAMS
TO SACRAMENTO
333
SAN FRANCISCO 47
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
• DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
OVER
REDMOND
368
8000
356
9000
97
CHEMULT
BEAVER MARSH
162
10000
73
9000
KLAMATH FALLS 242
KLAMATH FALLS
73
243
C.A.P.
MT SHASTA 278 (116.1)
9000
342
69
ALTURAS (NEW)
ALTURAS No 1
CEDARVILLE
LAKEVIEW
DA
ELKO 22
CALIF
FALL RIVER MILLS
181
WHITMORE (W) 353
32
AMBER 8
SECRET VALLEY
SUSANVILLE
AMEDEE
271
RED BLUFF 362 (116.1)
SKY HARBOR
BECKWOURTH
DONNER SUMMIT 385
138
33
TO RENO
BLUE CANYON
BLUE CANYON 20
228
NEVADA CITY
GRASS VALLEY
88
GREEN 3
48
TRUCKEE
BLUE CANYON 320
On request
318
TO SACRAMENTO
SCALE OF MILES
25 0 25 50

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCATA (UAL)	472 (NZM)	MRL	(3)
Arcata Airport	278 (116.1,126.18)	CI (ILS); 4°. 3	(3) 116.1.126.18 (8-17)
Arcata (H fac) (UAL)	414 (NZ1)	H; 310°, .15	(4) Z marker 200' from SE end Rnwy 31.
BIDWELL (Red Bluff)	272 (118.5.126.18)	C	(4);126.18,131.9 (6-22)
BLUE CANYON	320 (BC)	MHT	(4)
BLUE CANYON FM	(- - -)	FM, 228°, 19.5	Donner Summit
CALLAHAN FM	(- -)	FM, 140°, 15.1	Ft. Jones
DONNER SUMMIT	385 (DS)	BMRL-DT	(4)
EUREKA FM	(- - -)	FM, 184°, 11.7	Arcata
FORT JONES	224 (FJ)	SRAWZ	
MT. SHASTA	278(SC)(116.1)	BMLZ-VDT, 116°,2.2	(4); 116.1
→ RED BLUFF (Bidwell)	362(FH)(116.1)	SBRAZ-VDT,323°,2.5	(4); 116.1
REDDING FM	(- - - -)	FM, 323°, 33.2	Red Bluff
WHITMORE	353 (AWH)	MRLWZ	
WILLIAMS (Int.)	326(WS)(116.1)	SBMRAZ-VDT,244°, 2.2	(4); 116.1

OREGON

COTTAGE GROVE FM	(- - -)	FM, 150°, 29	Eugene
KLAMATH FALLS	242 (FS)	SBRAZ-DT,342°,2.7	(4)
MEDFORD	263(MF)(116.1)	SBRAZ-VDT	(3); 116.1
→ Medford AAF	278 (126.18,118.7)+	AC; 158°, 2.4	(4); 126.18,131.9,118.7
TRAIL FM	(- - - -)	FM, 332°, 14	Medford

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Arcata, Calif.	**109.5**	**332.6**	**312° Mag.**	IM- (.14)	MM- ..... (.66)	OM- -- (4,5)
					MMK-	OMK- 404
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	**MM-**	OM-
					MMK-	OMK-
				IM-	**MM-**	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker: (3)-3105. 4495. 6210 kcs. (4)-3105. 4495. 6210. 3117.5 kcs. **Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116 1. 137.88. 140.58 mcs.**

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alicia (Marysville)	3.2 SSE,RR W,E	63	60h L5 S6	80,91 oct.; 100 oct. on req.
(P) Alturas (new)	6.8 WNW,riv S	5034	63h	
Alturas #1	1 W,RR S	4391	28 S6	80 oct.
Amedee Flight Strip (Amedee)	4 SE,RR N	4007	70h	
Arcata	7.6 NNW	217	60h R3	
Ash Creek, USFS (McCloud)(NC)	11.2 ENE	3850	30	Closed Dec-May. Trees SE,NW.
Beckwourth	0.8 ENE,RR S	4900	26 S6	73 oct.
Benton Airpark (Redding)	1.1 WSW,riv E	719	25 L3 S4	80, 91 oct.
BIDWELL (Red Bluff)	1.7 SSW,RR E	354	40h R2 L5 S4	80,91,100 oct.
* Blue Canyon Int,13,SF-SL	1.1 NNE,RR S	5280	34 R1 L3	Obsts N, E. RR E.
Cedarville	0.6 S,lake E	4260	26 S2	80 oct. Pwr line E.
Cheim (Marysville)	1.5 NE,hwy S	67	30 S6	80,91 oct. No sto. Levee N, NE.
Chester, USFS (NC)	1.5 SSW,RR N	4525	31	18' pole line W.
Chico	5 N,rd E	250	67h	
Colusa	1.2 SW,RR W	47	29 S4	80 oct. Pole line NNW.
Corning	1.3 NE,RR W	300	30 L1 S2	80 oct.
Dalton Com. (Williams)	1 ENE,RR SW	80	30 S2	80 oct. Pwr line S.
(P) Del Norte Co. (Crescent City)	2.5 NW	57	50h	
* Delta Int, 22, SF-SA	1 SW,RR,hwy N	1320	18 L3	800-1000' mtns E, W.
Dunsmuir,25B, SF-SA	4.5 N,RR W	3240	30 R1 L3 S2	80,91 oct. Poles E,N, lgtd.
Eureka	2 W,bay E	20	24h	
Fall River Mills	1 N,riv E	3300	26	
Fort Jones (NC)	1.5 W,riv SW	2745	30	Pole line NW.
Gasquet (Crescent City) (NC)	13 ENE,hwy S	390	25	Hazardous-bad approach. USFS
Grass Valley	0.8 W,hwy N	2600	18 S1	Ltd 80 oct. Trees sur fld. P-line NE.
Gravelly Valley, USFS (Upper Lake) (NC)	20 N, lake S	2000	49	Road crosses NE/SW strip.
Gridley	0.7 ENE,RR W	97	26 S6	80,91 oct. Pole line N,S.
Hayfork, USFS (NC)	1.2 E,rd N	2350	23	Pole line W. mts E.
Humboldt County (Eureka)	3.4 ENE,RR SW	10	19 S4	80 oct. Poles NW.
Mendocino (Little River)	2.5 SE	572	53h	
Montague	1 W,RR N	2520	32 L1 S4	80, 91 oct.
Nevada City	1.5 NW,rd S	3060	26 S4	80 oct.
→ Oroville	3 SW,riv E	199	60h L5 S1	80,91 oct. Port rnwy lgts prior req.
Patrick (Chico)	2 SSE,RR E	189	34 S6	80,91 oct. Poles N.
Pinnegar (Anderson)	1 S,canal E	435	23 S1	73 oct.
Ranchaero (Chico)	2.2 WSW,riv W	170	22 S4	80, 91 oct. Hwy NE.
Ravendale (NC)	0.2 N,RR W	5260	18	
Redding	7.5 SE,riv S	500	61h L3 S1	
Round Valley (Covelo)(NC)	0.8 SW,hwy E	1385	30	
* Secret Valley Int,52,RV-ND	3.6 ESE Karlo	4435	50 L3	
(P) Siskiyou Co. (Montague)	4.3 NE,RR W	2647	73h L5	
Sky Harbor (Quincy)	2.5 E,RR N	3400	28 S2	73 oct. Poles S.
Susanville	6.5 SE,hwy SW	4150	32 S6	73 oct. Pwr line N.
* Truckee Int,16B, SF-SL	3.6 ENE,RR S	5820	34 L3	Snow Dec.-April.
Ukiah	1 S,RR E	612	40h L5 S4	80 oct. No sto.
Weaverville, USFS (NC)	1 SSE,hwy E	2040	22	30' poles S.
* Williams Int,9, SF-SA	4 S, RR E	120	42 R1 L3	
Willits	1.3 ENE,RR W	1356	20 S1	80 oct. Trees E. Pole line W.
Willows-Glenn Co.	1.3 WSW,RR E	130	45h L1	

OREGON

* Beaver Marsh Int,73,RV-ND		4630	54 L3	6.2 SSW Chemult
Blue Star Arpk. (Eagle Point)	4.5 N,hwy E		20 S2	Data unver.
Civil Air Patrol (Worden)	1 S,RR NW	4080	37 S6	80 oct. No sto. Pwr line NNE.
Grants Pass	1.6 N,RR W	1050	26 S5	80 oct. Poles, trees N.
* Cow Creek Int,37B,SF-SA	2.5 ENE Glendale	1429	23 L3	Creek S.
(P) Curry Co. (Denmark)	3.8 WSW	214	51h L5	All lgts prior req.
Illinois Valley Landing Field (Cave Junction) (NC)	4.3 SSW, river 1 E	1350	43	Trees NNE. USFS
Klamath Falls	4.9 SSE,RR NE	4085	71h R1 L5 S1	80, 91, 100 oct.
Lakeside	0.25 NE,hwy W	20	30	Pole line S.
Lakeview	3.5 SW,RR E	4728	53h	
(A,N) MEDFORD AAF	3.2 N,RR E	1329	54h R2 L5 S4	80,91,100 oct. No maintenance mil acft. Pole line NE.
* Myrtle Creek,Int,39A,SF-SA	4 SW,riv,RR W	640	25 L3	Hill N.
(P) North Bend	1.2 WNW,bay NE	17	50h	
Piercy (Medford)	2.6 NW,RR E	1325	20 S4	80 oct. No sto. Poles SE.
* Roseburg Int,41A,SF-SA	2.4 NNW,RR E	500	38 S6	80,91 oct. No sto.
Sutherlin Sky Ranch	3.8 ENE,rd E,S	575	18 S1	80 oct.
Tri-City (Riddle)	3.5 NE,RR N,W	700	19	Pole line N,S. Cattle on fld.
→ B & H (Creswell,Ore.)	3.3 SSW;RR E	620	16 S6	80 oct. Trees NNE
→ Cottage Grove (Ore.)	1.9 S,riv S	640	22 S1	80 oct.

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Gowen)	350 (BE)	SERAZ-DT, 110°, 2.5	(3)
EAGLE FM	(- - - -)	FM, 321°, 11.5	Boise
GOWEN (Boise)	278(126.18) (118.3)	AC	(4);131.9,126.18,118.3
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise

NEVADA

BATTLE MTN.	281(BP)(116.1)	BMRLZ-VDT, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-VDT, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SBRAZ-DT, 219°, 2.9	(4) Not manned cont.
HUMBOLDT (Int.)	209(HD)(116 1)	BMRLZ-VDT 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-VDT 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno
HUBBARD FLD (Reno)	278	CI	(4)(Wed,Sat,Sun 6-19. other days 8-1630)

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker.(3) 3105, 4495, 6210 kcs.(4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS

IDAHO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW	4700	18	Pole line ENE.
Boise Airpark	1.8 WNW,RR S	2660	25 S6	73,80 oct.Trees SSE, NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE.
Emmett	2.6 SW, RR NW	2300	28 S2	73 oct.
Floating Feather (Eagle)	2 E,hwy W	2635	38 S4	80 oct.Soft when wet.
Glenns Ferry	1.3 WSW,riv S	2556	34 S1	Ltd 80 oct.
(A) GOWEN (Boise)(A)	4.5 SSW	2857	77h R2	INACTIVE.
(A) Mountain Home AAF	10.7 WSW	3004	100h	INACTIVE. (A)
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
Parma	0.6 SSE,RR NE	2225	23 S2	80 oct.25' poles NW.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

NEVADA

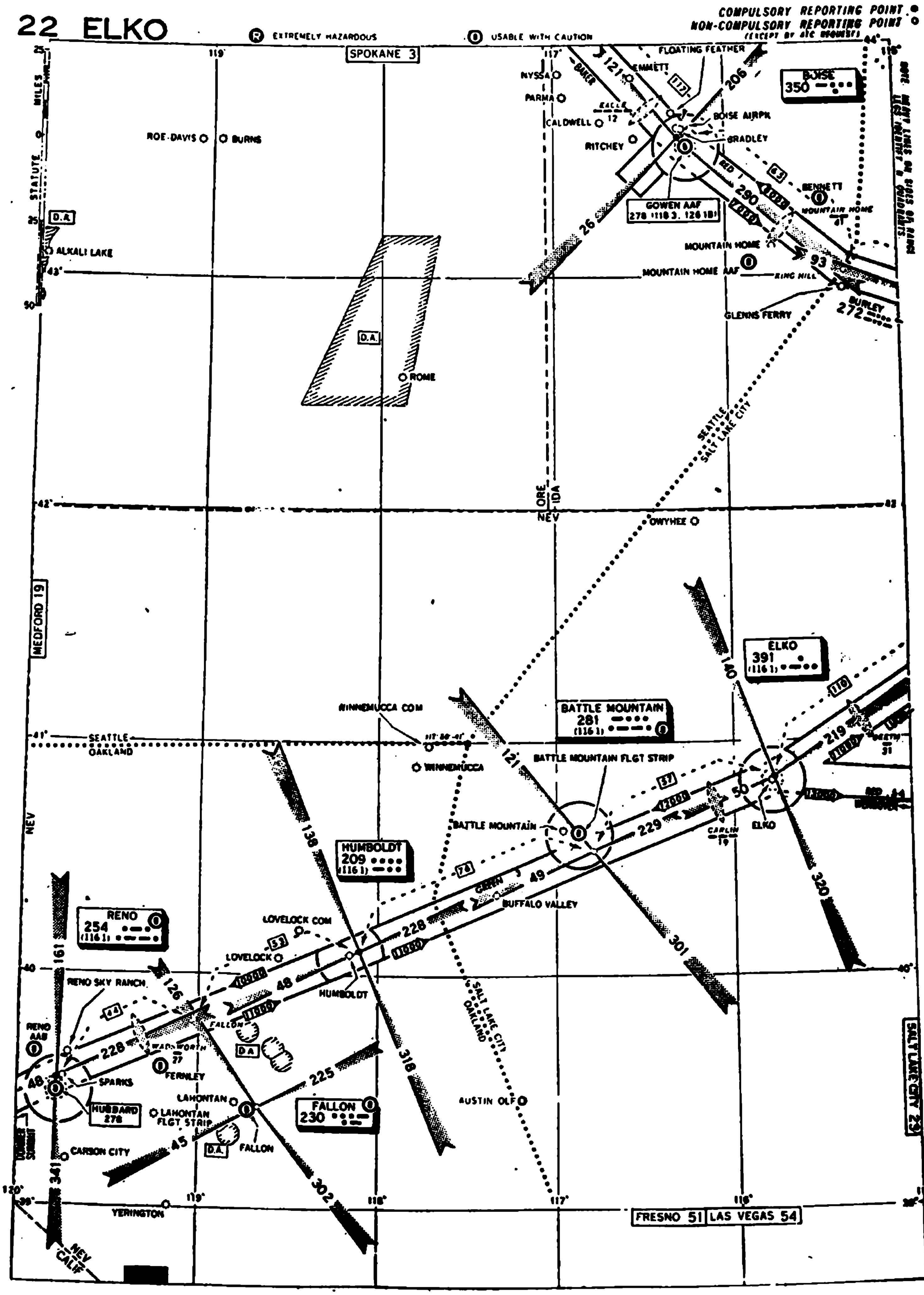
AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Austin OLF (N)	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3	
* Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	49 S6	80 oct.Mts N,hill W.
ELKO	1.8 W,RR S	5066	62h R1 L5 S4	73, 91 oct.
* Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
Fallon	6 SE,hwy S	3931	70h R1	Closed,emerg use only.
HUBBARD (Reno)	3.4 SE,RR N	4395	57h R1 L5 S4	80,91 oct. Fld lgts prior req.
* Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	4000	24 S4	80 oct.Poles ENE,WSW
" Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	31 S2	80 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
Orovada (NC)	1.2 W,hwy E	4300	32	
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fld. C-L-S-D.
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct.Poleline W.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

Alkali Lake Flgt Strip	7.5 N	4313.	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	26.6 SW,hwy E	4050	60h	

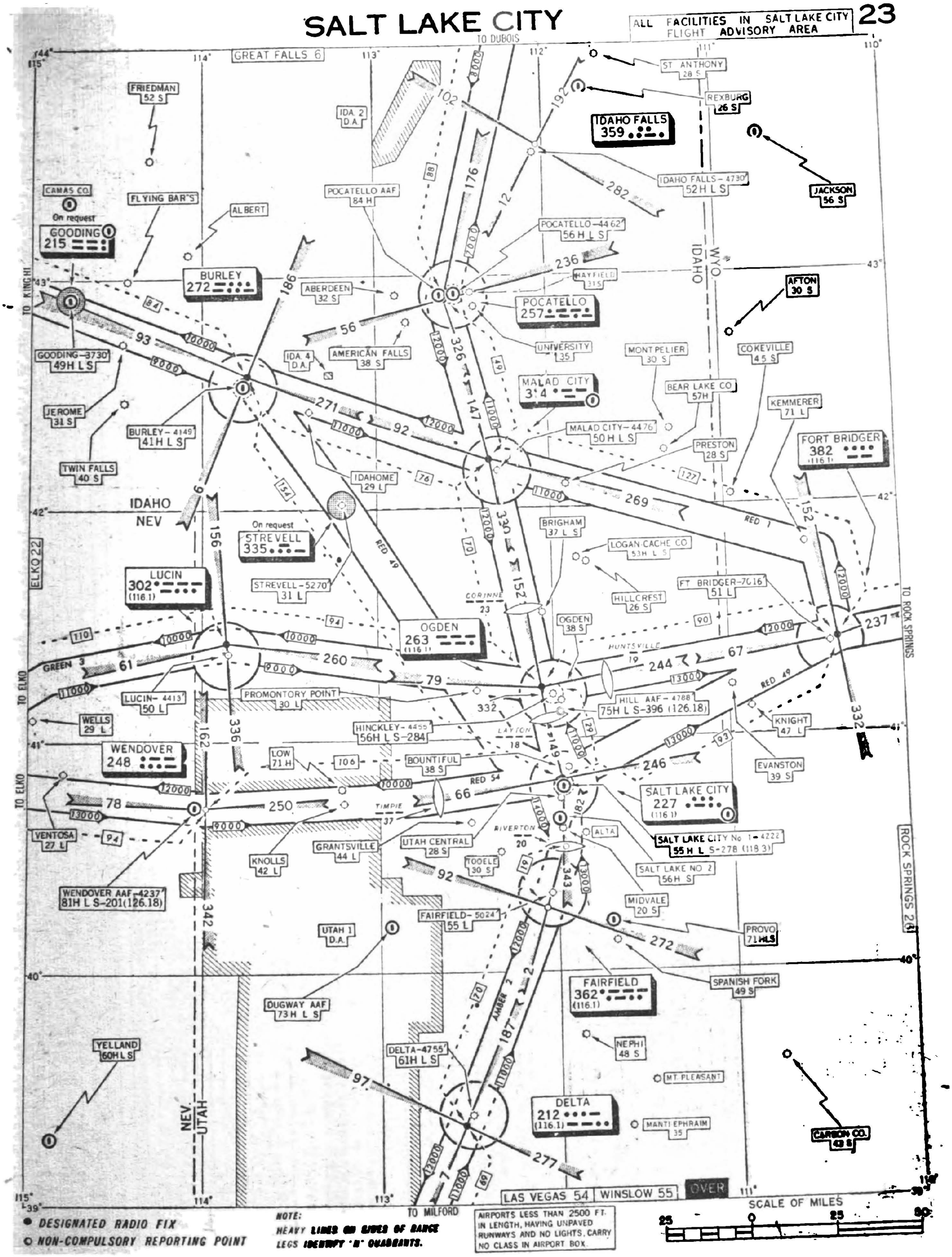
h-hard surfaced runways. F-radio facilities. L-lighting facilities. S-servicing (see page XIII)(NC)-not charted → NEW OR REVISED DATA

22 ELKO


R EXTREMELY HAZARDOUS
O USABLE WITH CAUTION
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
SPOKANE 3
119°
117°
44°
43°
42°
41°
40°
120°
118°
115°
ROE-DAVIS
BURNS
ALKALI LAKE
ROME
NYSSA
PARMA
CALDWELL
RITCHEY
FLOATING FEATHER
EMMETT
BOISE AIRPK
BRADLEY
BOISE 350
GOWEN AAF
BENNETT
MOUNTAIN HOME
MOUNTAIN HOME AAF
RING HILL
GLENNS FERRY
BURLEY 272
SEATTLE
SALT LAKE CITY
ONYHEE
ELKO 391
BATTLE MOUNTAIN 281
WINNEMUCCA COM
WINNEMUCCA
BATTLE MOUNTAIN FLGT STRIP
HUMBOLDT 209
LOVELOCK COM
LOVELOCK
HUMBOLDT
BUFFALO VALLEY
RENO 254
RENO SKY RANCH
RENO ANB
SPARKS
HUBBARD 278
FERNLEY
LAHONTAN
LAHONTAN FLGT STRIP
FALLON
FALLON 230
AUSTIN OLF
CARSON CITY
YERINGTON
CARLIN
ELKO
FRESNO 51
LAS VEGAS 54
MEDFORD 19
SEATTLE OAKLAND
SALT LAKE CITY OAKLAND
NEV CALIF
ORE NEV
IDA
D.A.
DA
MILES
STATUTE

SALT LAKE CITY

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA



IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272 (BX)	SBRAPZ-DT,200°,2.7	(4)
GOODING (new)	215 (GG)	MHT	(4)
IDAHO FALLS (Mun.)	359 (IF)	SBMRAZ-DT,192°,2.6	(4)
MALAD CITY (Int.)	314 (WT)	SBRAZ-DT,131°,3.4	(4)
POCATELLO	257 (PQ)	BMRLZ-DT, 56°,2.5	(4)
STREVELL (Int.)	335 (TV)	MHP	(4)
UTAH			
CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212 (VZ)(116.1)	SBRAZ-VDT, 7°, 3.6	(4); 116.1
FAIRFIELD (Int.)	362 (JL)(116.1)	BMRLZ-VDT,2°,4.4	(4); 116.1
→ HILL, (Ogden)	396 (126.18)+	CA	(4); 126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-VDP,156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-VDT,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
→ ROBERT H. HINCKLEY (Ogden)	284	CI	(4)(830-2130 Wed. thru Sun, 1130-2130 Mon. & Tues.)
SALT LAKE CITY	**227 (SL)(116.1)**	**SBRAZ-VDTX**	**(3); 116.1**
Salt Lake City Arpt. #1	**278 (118.3)**	**C, 163°, 3**	**(4); 131.9,118.3,126.18,others on request.**
TEMPLE FM	**(- - -)**	**FM, 246°, 37**	**Salt Lake City**
WENDOVER	**248 (WV)**	**SBMRAZ-DT**	**(4)**
→ **Wendover Field**	**201 (126.18)**	**CA; 258°, 2.2**	**(3);126.18**
WYOMING			
→ **FORT BRIDGER (Int.)**	**362 (HM)(116.1)**	**SBRAZ-VDT,228°,2.4**	**(4):116.1**

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW,rd W	4460	32 S6	73 oct.No sto.
Albert (Richfield)	5.2 NE,RR W	4400	23 S2	Ltd 80 oct.
American Falls	2 NE,RR NW	4404	38 S1	73 oct. Poles S.
Arco (NC)	1.5 ESE,hwy W	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE,riv NE	5928	57h	
Buhl (NC)	5.7 W,crk W,E	3690	41	
Burley	1.3 ENE,RR SW	4149	41h R1 L5 S4	80,91 oct.Pole line WNW.
→ Camas Co. (Fairfield)	0.8 SW:RR,hwy N	5065	31	Pole line E.
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	73 oct.
Friedman (Hailey)	0.8 S,RR E	5300	52 S1	73 oct.
Gooding (new)	3.5 WSW,hwy N	3730	49h R1 L5 S4	81 oct.
Gooding (old)	4 SSW	3570	20	
(P) IDAHO FALLS	2 NW,riv,RR E	4730	52h R1 L3 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4460	29 L3	
Jerome	3.3 ENE	3980	31 S1	73 oct.
MacKay (NC)	0.8 SE,RR NE	5900	30	Rough.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4476	50h R1 L3 S1	73 oct.
Montpelier	0.6 NNE,RR WSW	5900	30 S1	73 oct. Hills,trees S,SW,NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
POCATELLO	5.8 NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 WNW	4445	84h	INACTIVE.
Preston	1.7 WNW,riv W	4800	28 S2	80 oct.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
St. Anthony	1.1 SSE,RR W	4965	28 S4	73 oct. Poles, trees NNE.
* Strevell Int, 10, SL-PO	0.3 NNW,hwy W	5270	31 R1 L2	Hwy S.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	30	(NC)
Twin Falls	6.5 S,crk N	4200	40 S6	80,91 oct. No sto.
University (Ham's)(Pocatello)	1 ENE,hwy W	4600	35 S2	Hills N,S. No fuel.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	25	UNUSABLE.
NEVADA				
* Ventosa Int,48,SF-SL	0.5 N,RR S	5600	27 L3	
* Wells Int,46B, SF-SL	1.5 S,rd W	5665	29 L2	
Yelland (Ely)	3.5 NNE,hwy E	6258	60h L3 S6	80 oct. Fld lgts prior req.
UTAH				
Alta Arpk (Sandy)	2.3 E,RR W	4800	30	Hwy W.
Bountiful Sky Haven	2.6 WSW,rd E	4222	38 S4	80 oct. Pole line N,NW,SE.
Brigham	3 NW,RR S	4220	37 L3 S6	80 oct.
Carbon County (Price)	2.8 E,RR W	5800	43 S6	80 oct.
Delta	4.8 ENE,	4755	61h R1 L5 S2	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE,riv W	5700	55	Pole line W, NW.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
Hillcrest (Logan)	2.7 NE,RR W	4780	26 S6	80 oct. Mtn SSE.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	42 L3	
Logan-Cache Co. (Logan)	4 NNW,RR E	4460	53h L5 S6	80 oct.
Low Flight Strip	11.8 W,hwy S	4241	71h	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4413	50 R1 L3	
Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	35 S2	No fuel.
Midvale	3 WSW,RR NW	4500	20 S4	73 oct. No sto.
Mt. Pleasant	1.5 SSW,RR NW	5857	48 S2	80 oct.
Myton (NC)	1 E,riv N	5090	31	
Nephi	2.5 NW,RR E	4800	48 S1	Ltd 80 oct.
Ogden Airpark	4 S,hwy NE	4700	31 S4	73 oct. No sto.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	
(P) Provo	2.8 WSW,RR N	4490	71h L5 S6	73 oct. Fld lgts prior req.
SALT LAKE CITY #1	2.5 WNW,RR S	4222	55h R2 L6 S6	73,80,91 oct. Rdo rec req.
Salt Lake City No. 2	10.5 SSW,RR W	4617	56h S4	73 oct.
Spanish Fork	2 NW,RR SE	4560	49 S6	80 oct.
Tooele (NC)	1.4 WSW,RR W	4800	30 S4	80 oct. No sto. Mtns SE.
Utah Central(Salt Lake City)	4 SW,RR N	4240	28 S4	73 oct. Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4237	81h R2 L5 S6	73,91,100 oct. JP-1. CLOSED.
WYOMING				
Afton	0.3 SW,hwy E	6239	30 S5	73,80 oct. 40' trees N.
Big Piney (NC)	2 N	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
Evanston	3.6 SSW	6800	39 S1	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
Jackson	9 N,riv W	6400	56 S1	73 oct.
* Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L3	
* Knight Int,6,SL-OH	5 S,riv NNE	7615	47 L3	
→ Hayfield (Tyhee,Idaho)	2 SE:RR W	4600	31 S6	

RADIO — COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	VAR-VDT	4495,3117.5,116.1,131.7
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	VAR-VDT (ILS)	3105,4495,3117.5:131.7, 116.1 only.
WYOMING			
→CASPER (Wardwell Field)	269 (CW)(116.1)	SBRAZ-VDT,263°,2	(4): 116.1
→DOUGLAS (Int.)	251 (DQ)(116.1)	HVT	(4):116.1
→LARAMIE (Gen'l. Brees Field)	245(LR) (116.1)	SBMRAZ-VDT 137°, 2.2	(4):116.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (new)	290(RT)(116.1)	SBRAZ-VDT, 246°,2.8	(4); 116.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-VDT, 80°, 1.7	(4); 116.1
PARKERTON,WYO.FM	(-)	FM; 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WALKER, COLO.	110.3 ·•·--	335	110°Mag	IM	MM ····· (.69)	OM — — (4.52)
					MMK	OMK

S-Simul., Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — COLORADO

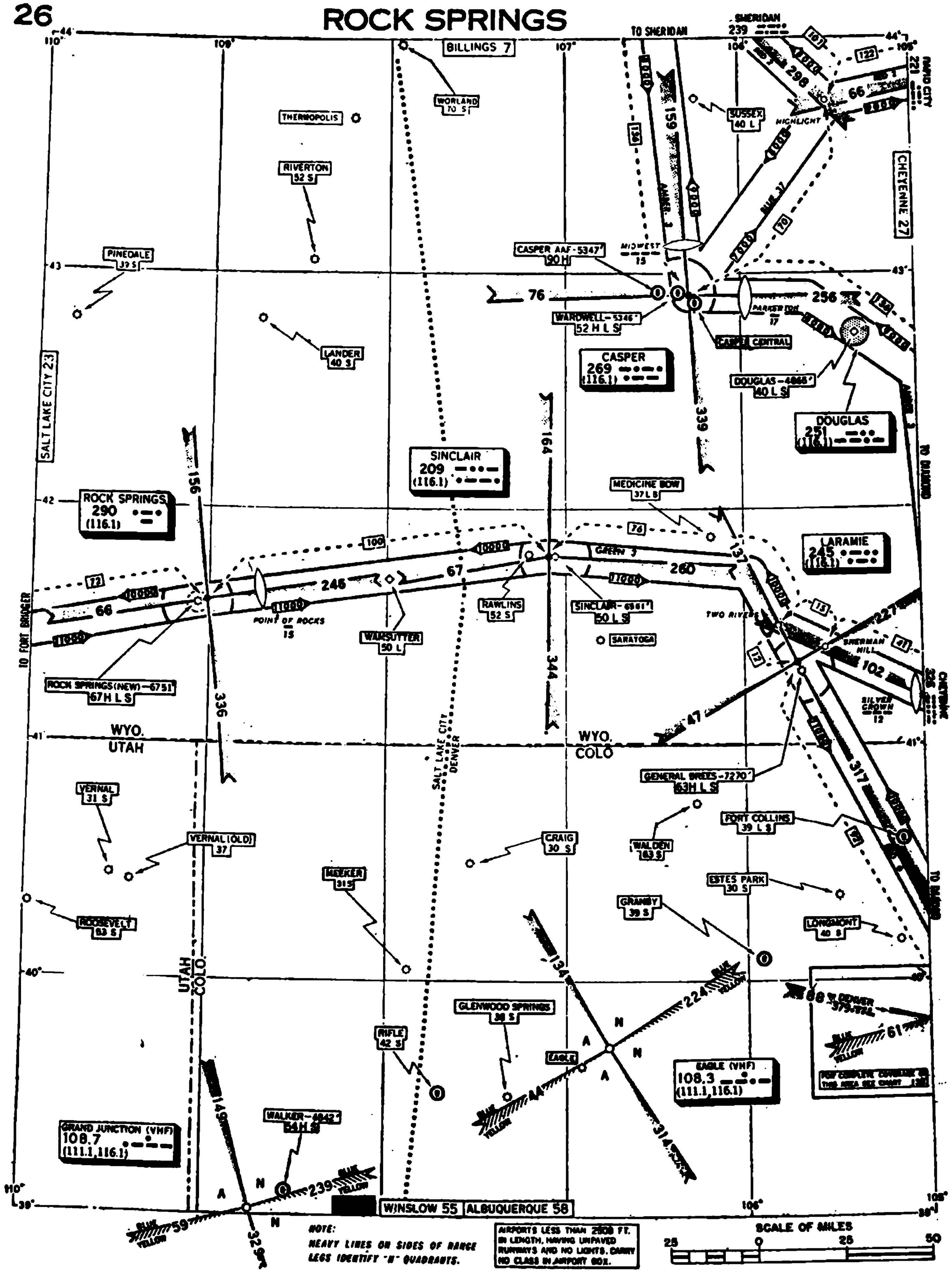
AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	Closed till June '47
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L2 S6	73,80 oct.Poles SE.
Glenwood Sprgs.	2 S	5900	38 S1	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
→Leadville (NC)				ABANDONED
Longmont	2.9 W;RR N	5030	40 S6	80,91 oct.Trees NW.
→Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
→Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
P) WALKER (Grand Junction)	2.8 NNE;rd W	4842	54h L3 S6	80,91 oct.
UTAH				
Roosevelt	1.3 NE;hwy S	5000	53 S2	80,91 oct.Poleline SE,E
Vernal (new)	1 SSE;hwy N,E	5280	36 S6	80,91 oct.
Vernal (old)	7 ESE;riv 4 E	5200	37	

WYOMING

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	90h	CLOSED.
★ Douglas Int,11B, CX-GT	1.5 SE;RR W	4865	40 R1 L3 S1	73 oct.
General Brees (Laramie)	4 W;riv SE	7270	63h R1 L5 S6	73,91,100 oct.
Lander	1.5 S;riv W	5550	40 S2	73 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy NE	7200	39 S2	73 oct.
Rawlins	2.3 NE;RR 1 S	6780	52 S4	80,91 oct.
Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS (new)	8.8 E;RR N	6751	67h R1 L5 S6	73,91 oct.
Rock Springs (old)	3.8 NNW	6370	58	(NC)
★ Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3 S1	73,100 oct.
★ Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	33 S1	80 oct.
★ Wamsutter Int,22, SL-OH	2.4 NNW;RR E	6812	50 L3	35' pole line S.
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,91 oct.
(P) Worland	2.8 S;canal NW	4185	70 S1	80, 91 oct.
Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S1	80 oct.Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW,hwy E	6900	41	Poleline E.
→Eagle (Colo.)	4.5 WSW;RR N	6496	34	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA

ROCK SPRINGS



CHEYENNE 27

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓛ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'A' QUADRANTS.

MONDELL
BOURASSA
HOADLEY
HOT SPRINGS
EDGEMONT
ROCK SPRINGS 26
WYO
NEB.
S.D.
RAPID CITY
221
346
BISMARCK 10
PRESHO
MINNEAPOLIS
DENVER
STATUTE MILES
BENNETT CO.
S.D.
NEB
On request
CHADRON
206
CHADRON
GORDON MUN.
LUSK
CRAWFORD
FORT ROBINSON
HAY SPRINGS
OMAHA 30
TO CASPER
WHEATLAND
EAST SIDE
TORRINGTON
SCOTTSBLUFF
341
121
205
ALLIANCE MUN.
ALLIANCE
SENECA
MITCHELL
SCOTTSBLUFF
BAYARD
LARAMIE
245
227
DIAMOND
MEADOWS
17
CHEYENNE
278 126.15
EGBERT
39
ARCHER
6
IDLE ACRES
SIDNEY
314
OSHKOSH
BIG SPRINGS
391
NORTH PLATTE
236
116.1
SIDNEY
BIG SPRINGS
OGALLALA
LEE BIRD
PAXTON
80
256
GREEN 3
PINE BLUFFS
NEB
COLO
LORENZO
CHAPPELL
JULESBURG
SCHWARTZ-JOHNSON
260
GOTHENBURG
CHEYENNE
326
AKRON
368
116.1
GRAND ISLAND
260
69
FOR COMPLETE COVERAGE IN THIS AREA SEE CHART 138
STERLING
HOLYOKE
IMPERIAL
HAYES CENTER
CROSIER
YOUNG
ALVIN
DENVER
379
111.1
DACONO
20
HENDERSON
9
AKRON
YUMA
WRAY
HAYES CENTER
400
McCOOK AAF.
McCOOK
BENKELMAN
NEB.
KANS.
ATWOOD
OBERLIN
LENORA
TO GRAND ISLAND
AURORA
10
WATKINS
35
RODERICK
ANTON (VHF) (W)
108.7
ST. FRANCIS
DENVER (VHF)
109.1
111.1
FRANKTOWN
30
STAKE'S
FLAGLER
HUGO
GOODLAND (VHF) (W)
108.3
GOODLAND (W)
353
EDDIE HUTTON
COLBY
MORLAND (VHF) (W)
109.1
TO PUEBLO
ALBUQUERQUE 58
AMARILLO 59

CHEYENNE

RADIO

COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AKRON (Int.)	368 (RN)(116.1)	SBMRAZ-VDT, 154°, 3.6	(4):116.1
AURORA LFM	(- - -)	LFM, 155°, 9.5	Denver
DACONO FM	(. . -)	FM, 348°, 20	Denver
DENVER (Stapleton)	379(DV)(111.1)	SBMRAZ-VDTX;155°,2.4	(3);131.7
DENVER (9 mi ENE Stapleton)	109.1(DV) 111.1	VAR-VDT	(3);131.7
FRANKTOWN FM	(. . - - -)	FM, 155°, 29.6	Denver
HENDERSON FM	(-)	FM, 348°, 8.6	Denver
WATKINS FM	(- -)	FM, 59°, 14.8	Denver
ANTON	108.7(AR)	VARW	

KANSAS

GOODLAND	353(GN)	HW-T	
GOODLAND	108.2(GN)	VARW	
MORLAND	109.1(MC)	VARW	

NEBRASKA

BIG SPRING (Int.)	391 (BQ)	BHT	(4)
CHADRON	206 (HC)	MHT	(4)
HAYES CENTER (Int.)	400 (KB)	SBMRAZ-DT, 64°, 2.1	(4)
NORTH PLATTE (Lee Bird)	236(NQ)(116.1)	SBRAZ-VDT, 352°, 2.2	(4); 116.1
SCOTTSBLUFF	341 (TF)	SBMRLZ-DT, 301°, 3.1	(4)
SIDNEY (Int.)	314 (SD)	BH-DT, 350°, 0	(4)

WYOMING

ARCHER LFM	(-)	LFM, 76°, 5.6	Cheyenne
CHEYENNE	326 (CI)	SBRAZ-DT	(3)
Cheyenne Airport	278 (126.18)	C; 76°, 1	(4);116.1,131.9,126.18
EGBERT FM	(. . -)	FM, 76°, 29	Cheyenne
MEADOWS FM	(- - - -)	FM, 341°, 16.8	Cheyenne

S-Simul Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105 4495 6210 kcs (4)-3105 4495 6210 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116 L 137.88, 140.58 mcs

AIRPORTS

COLORADO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Akron Int.,9,DV-GI	3.9 SE; RR N	4585	53 R1 L3	
★ Alvin Int.,15,DV-GI	3.5 NNE	3600	40 L3	Rds S, N.
Burlington (NC)	0.5 W	4160	32	Pole line S, N.
Crosier (Greeley)	3.5 E; RR N	4648	34 S6	73,91 oct.
Doughty's (Julesburg)	12 ESE	3600	18	PRIVATE,Use in emergency.
Flagler	0.8 S; RR N	4975	48 S1	73 oct. 20' pole line E.
Holyoke	1.8 ESE; RR NW	3720	35 S1	80 oct.
Hugo	1.5 E; RR S	5034	26 S1	80 oct.
Julesburg	2.8 SW; RR SE	3490	24 S6	80 oct. Pwr line S.
Roderick (Lindon)	4.3 N; riv E	4900	26 S1	73 oct.
Stake's Prairie(Limon)	2.2 ENE; RR S	5375	34 S4	73 oct.
(P) Sterling	2.8 W; RR S	4020	37 S6	73,80 oct.
Wray	1.2 NNW; RR S	3400	30 S1	Ltd 73 oct.
Young (Fort Morgan)	6 N; hwy E	4460	52 S4	73 oct.
Yuma	1.4 SSE; RR N	4150	35 S6	73 oct. Poles S, SW.

KANSAS

Atwood	2 N;hwy W	2900	26 S1	73 oct.Data unverified.
Colby	1.8 N; RR S	3150	42 S2	80 oct. Poles SW, W.
Eddie Hutton (Brewster)	1 SE; RR N	3420	35 S2	73 oct.
Goodland	2 NNE; hwy W	3689	37 S6	80,91 oct.Trees NW.
Lenora (NC)	1.2 NNW; hwy S	2325	29	
Oberlin	0.9 NW; RR SE	2684	25 S1	80 oct. Pole line SE, NE.
St. Francis	1 SSE; riv NW	3400	35 S2	80 oct.

NEBRASKA

Alliance	4.6 SE; RR N	3930	92h	
" mun	2.8 SW; RR,hwy	3965	53 S6	80 oct.
Bayard	1.3 SSW; RR N	3760	25 S2	No fuel; Poles N,E,NW,SE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. ➔ NEW OR REVISED DATA

NEBRASKA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Benkleman	1.2 NNE; RR SE	2990	28 S1	80 oct.
★ Big Springs Int,55,SL-OH	3 WNW; hwy N	3605	35 R1 L3	Pole line E.
Chadron,15,CX-HR	4.8 W; hwy S	3312	45 R1 L3 S4	73 oct.
Chappell	3 E; RR SW	3830	26 L1 S2	80 oct. Pole line W.
Crawford	3.8 NNW; hwy E	3676	35	Poles E, W.
(A) Ft. Robinson (A)	2 S; RR N	3920	18	
Gordon	1.3 E; RR N	3549	34 S4	73,80 oct. Poles N,S,W.
★ Hayes Center Int,21,DV-GI	3 ENE; rd S	3074	51 R1 L3	
Hay Springs	2.5 W; hwy E	3840	17 S2	80 oct. Pole line N.
Imperial	1 ESE; RR SW	3280	36 S4	80 oct.
(P) LEE BIRD (North Platte)	3.2 ESE; riv SW	2779	55h R1 L5 S6	73,80,91,100 oct.
Lorenzo	0.6 WNW; RR E	4400	17 S1	Ltd 73 oct. Cattle on fld.
McCook	2.2 E; RR,hwy S	2586	42 S4	80 oct. Windmill N.
(A) " AAP (A)	9 NNW; hwy E	2784	75h	INACTIVE.
Mitchell	1.6 S; riv N	3950	40 S6	73,80 oct. Trees, poles NW.
Modisett (Rushville)(NC)	2.4 NE; RR S	3475	30	Bldgs, pole line E.
Ogallala	2 W; RR S	3250	26 L1 S6	80 oct. Poles S, SE, SW.
Oshkosh	1.8 SE; riv S	3375	21 S1	Ltd 80 oct. Poles NW,NE.
Schwartz-Johnson (Sidney)	1.6 SSE; RR,hwy N	4120	32 S1	73,80,91 oct.
SCOTTSBLUFF	3.3 E; hwy S	3945	82h R1	
Seneca	2.2 NNW; riv S	3200	26 S1	Ltd 80 oct. Twr NNW.
★ Sidney Int.,50,SL-OH	3 W; RR N	4132	36 R1 L3 S1	Ltd 73,80 oct.
Valentine (NC)	1.5 SSE; hwy E	2579	18	Not maintained.Rough. PolesNE
Gothenburg	Adj E; hwy S		32 S2	80 oct. Data unver
Idle Acres (Potter)	11.8 N; hwy N	4550	21 S4	80 oct.Pole line W.Data unver

SOUTH DAKOTA

Bennett Co. (Martin)	4.4 SSE; riv N	3325	30 S1	73 oct. Pole line sur fld.
Bourassa (Custer)	1 ESE; hwy N	5301	30 S2	73 oct. Poles W, NW.
Edgemont	1.1 SW	3575	30 S2	73 oct.
Hot Springs	5.5 SSE; riv N	3075	52 S2	73 oct.
Presho Mun.	0.8 NW; RR S	1800	22 S1	80 oct. Poles N,NW,S.

WYOMING

(P) CHEYENNE	1 N; lakes WNW	6140	79h R2 L5 S6	73,80,91,100 oct. Poles W.
Hoadley (Dull Center)	9.4 NE	4176	24 S1	73,80 oct.
Mondell (New Castle)	6.2 WNW; RR N	4260	36 S2	73 oct.
(P) Pine Bluffs,44,SL-OH	4.2 WSW; RR S	5128	48 L3 S2	80 oct. Pole line N.
(P) Torrington	3.4 S; hwy W	4350	36 S1	73,91 oct. Pwr line S, W.
Wheatland,6,CX-OT	3.4 NNW; riv N	4648	46 L3 S6	80 oct.
Lusk (Wyo.)	2.9 E;RR S	5000	47 S1	73 oct.Poles SE.
East Side(Wheatland,Wyo.)	0.7 E;RR W	4750	21 S1	80 oct.

OMAHA

RADIO

IOWA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
ATLANTIC	257 (IZ)	MHT	(4)
CALIFORNIA FM	(- - - -)	FM, 333°,18	Omaha, Nebr.
GLENWOOD FM	(- -)	FM, 146°,23.8	Omaha, Nebr.
HANCOCK FM	(-)	FM, 73°, 30.5	Omaha, Nebr.
SIOUX CITY	335 (YX)	SBMRLZ-DT	(3)
Sioux City Arpt.	396(126.18,118.3	AC; 337°,1.9	(4);131.9,126.18,118.3
SLOAN FM	(- -)	FM, 157°,8.8	Sioux City

KANSAS

MARSHALL (Ft. Riley)(Army)	215 (DFY)	SBMRAZ	
Marshall Field	396 (126.18)	CA; 196°,4	(3); 126.18
PHILLIP BILLARD (Topeka)	278	CI	(3)(sunrise-sunset)
TOPEKA	109.1 (PK)	VARW;211°,6	
WALDO	108.7 (LO)	VARW	

MISSOURI

TARKIO	231 (TK)	MHT	(4)

NEBRASKA

GRAND ISLAND	260(GI)(116.1)	SBMRLZ-VDT	(4); 116.1
→ Grand Island AAF	278 (126.18)	CA(ILS);165°,1.3	(3); 126.18 (8-17)
→ KEARNEY (Army)	536 (DKR)+	HW; 130°,5.3	
LINCOLN	385(HK)(116.1)	SBMRLZ-VDT, 170°,2.6	(4); 116.1
MEAD FM	(- - -)	FM, 252°, 28.4	Omaha
OFFUTT (Omaha)	396 (126.18)	CA,	(3); 126.18
OMAHA	320 (OH)	SBRAZ-DT	(3)
Omaha Airport	278 (126.18)	C(ILS);146°,0.8	(4); 116.1,131.9,126.18.
OVERTON	278 (OV)	MHT	(4)

SOUTH DAKOTA

SIOUX FALLS	245 (YL)	SBRAZ-DT,93°, 2.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Omaha, Nebr.	110.3	335	135° Mag.	IM- ····· (.06)	MM-	OM- -- (4.90)
					MMK-	OMK-
Grand Isl AAF,Nebr.	110.3	335	349° Mag.	IM- (.08)	MM- ····· (1.00)	OM- -- (4.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IOWA

AIRPORT-CITY. NAME	LOCATION	ELEV.	CLASS	REMARKS
Atlantic	4.6 NW,RR S	1353	21 S6	80,91 oct.
Atlantic, mun.	1.9 W,RR E	1153	33 R1 L3	Beacon 1/4 mi W.
Briggs (Fiscus)	4.2 NE,RR E	1370	21 S2	80 oct. Trees N.
Cherokee	1 S,RR W,S	1218	19 S1	80 oct.
Clarinda	0.8 SE,RR W	1060	26 S4	80 oct.
Council Bluffs	3 SE,RR S	980	37 S6	80 oct. Bldgs SW.
Denison	2.4 WSW,riv SE	1200	20 S2	80 oct. Trees SSW.
Dunlap	0.5 WNW,RR SE	1160	30 S3	80 oct. Pole line NNE.
Fuller (Milford)	0.7 NNW,hwy E	1440	36 S6	80 oct. Trees,poles E,W S.
→ Geisinger (Storm Lake)				ABANDONED
Harlan	5 SSW,hwy E	1196	18 S2	73 oct.
Hart (Spencer)	1.5 S,hwy N	1100	26 S4	80 oct.Pole line NE,N.
John E. Peters (Ocheyedan)	1.5 N,hwy S	1425	24 S2	80 oct. 25° pole line S.
Liberty(Sutherland)	2.1 WSW,RR W	1465	23 S6	80 oct. 35° pole line E.
Manning	0.6 SW,RR W	1327	25 S2	73 oct.
McKisick(Rock Rapids)	3 N,riv W	1361	31 S4	80 oct. Trees W.
Missouri Valley	1.5 S,RR W	960	16 S2	80 oct.
Nicholson (Ida Grove)	1.9 WSW,RR N	1120	20 S1	80 oct.
Okoboji Airways (Spirit Lake)	2.8 SW,hwy E	1450	20 S2	80 oct. Poles NE.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xxxii) NC-(not charted) → NEW OR REVISED DATA

IOWA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Oliver Ranch (Onawa)	5 SE,hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
Randolph (NC)	1.7 NNE,RR W	1050	20	
Red Oak	1.5 W,RR E	1044	25 S2	80 oct. Pole line N.
Sheldon	5 NNE,RR W	1444	33 S6	80 oct. P-line S,W,SW.
Shenandoah	2.8 W,RR SE	960	25 L S2	80 oct.Port rnwy lgts. SE.
(A)SIOUX CITY	7 S,RR E	1097	69h R2 L5 S4	80,91 oct.;91,100 mil.
(P)Spencer	2.9 WNW,RR S	1335	40 S6	80,91 oct. acft.
→ Storm Lake	3.5 SW,lk NE	1460	36 S2	80 oct. Data unver.
Thorne (Moneta)	2.5 S	1410	25 S2	80 oct.Pole line,trees W
(P)Western Union (Le Mars)	1.3 SW,RR SE	1190	30 S6	80 oct. Low obst.

KANSAS

Belleville	1.8 WSW,hwy S	1520	24 S2	73 oct.
Bern	0.6 S,RR N	1300	26 S1	80 oct. Pwr line N.
Blosser(Concordia)	1 SSE,hwy W	1510	26 L S2	80 oct. Port rnwy lgts.
Clay Center	1.5 W,hwy S	1200	30 S2	80 oct. Poles S,NW.
Downs	Adj SW,RR N	1550	20 S2	80 oct.Data unver.RR NW
Elkins (Wakefield)	1 SSE,riv NE	1170	13 S1	80 oct. Poles W.
Hawk's (Atchinson)	1.3 WNW	1000	12 S1	80 oct. Poles N.RR S.
Hiawatha	1.3 WSW,RR E	1110	24 S1	80 oct. Pwr line N.
Holton	0.9 E,RR N	1020	21	Trees N.
Huntoon (Topeka)	5.4 W,riv N	1000	18 S6	80 oct. Pwr line N.
Larkinburg	0.3 E Houlton	947	27 S2	80 oct.Hi-lines N.Data unver.
Lawrence	2.5 NNE,hwy S	840	32 L3 S6	80 oct. No ben.Poles W Lgts prior req.
Manhattan	5.5 WSW	1050	31 S6	80 oct. RR SE.
→ Mankan (Manhattan)	3.7 ENE,hwy S	1050	30 S6	80,91 oct.Poles sur fld.
Mankato	0.8 ESE,RR S	1780	22 S4	73 oct.
(A)Marshall (Ft.Riley)(A)	1.8 SE	1062	45h R2 L5 S6	73,91,100 oct.Ditch E,S
Moritz (Beloit)	1.2 NW,RR S	1420	24 S2	73 oct. Trees E.
(P)Norton	0.7 NNW,hwy E	2365	52 S3	73 oct.Pole line E,S.
PHILLIP BILLARD (Topeka)	3.5 ENE,RR S	879	42h R1 L5 S6	80,91 oct.
Phillipsburg	1.5 S,RR N	1882	33 S1	80 oct.
Pottawatomie (Manhattan)	1.4 NE,RR SE	1100	20 S4	80 oct. Poles SE,NW,NE
Seneca	0.5 W,RR S	1250	24	Poles N,S.
Smith Center	1 SSW,RR NW	1806	27 S1	80 oct.
Summerfield	0.3 SSE,RR W	1450	20 S2	80 oct.Pole line N,NW
Wood Arpk.(Clay Ctr)	3.5 N,hwy W	1260	15 S6	80 oct.No sto.P-line W.

MINNESOTA

McDowell (Luverne)	8 NW,hwy W	1440	25 S4	80 oct.
Pipestone	1 SE,RR E,W	1735	20 S4	Ltd 80 oct.
Worthington	1.4 N,lk SSW	1580	26 S1	80 oct.

MISSOURI

Craig	0.6 NE,RR SW	875	25 S1	73 oct. Pole line WNW
Tarkio 10, KC-OH	1.2 ENE,RR W	918	40 R1 L3 S4	80 oct. Trees N.

NEBRASKA

Ainsworth, mun	7 WNW,RR S	2580	73h L5 S6	83,91 oct.
Ainsworth (old)	1 ENE,hwy S	2521	52 S5	80 oct. Pole line S.
Arrow (Lincoln)	4.8 NE,hwy E	1160	25 L S6	73,80 oct.Port rnwy lgts
Atkinson	1.4 SW,riv NE	2109	22	Trees S.Pole line E,SE, N, NW.
Auburn	2.7 E,riv SW	960	29 S6	80 oct.P-line N,NW,NE
(P)Beatrice	3.5 N,hwy E	1260	38h S4	80 oct.Twrs S,SW.Rnwy data unver.
Blair	3 NNW,RR E	1050	24 S6	80,91 oct.Windmill NW
* Brainard Int,82,SL-OH	3.5 SW,hwy W	1640	31 L3	
Broken Bow	2 N	2400	30 S6	80 oct.
Bruning	7.7 E,RR N	1544	68h	
Central (Grand Island)	1.7 NE,RR S	1851	33 S6	73,80 oct.P-lines W,S,
Clay Center	1.5 E,hwy N	1800	26 S2	73 oct. N,E.
Clear Ridge (Omaha)	5.2 NW,RR N	1230	24 S6	80 oct.Pole line E.
Columbus	1.3 NE,RR S	1445	26 S6	Pole line SSE,SSW.
Crete	1 S,RR NE	1368	24 L3 S2	73 oct.Lgts prior req.
David City	1.5 N,hwy W	1640	22 S2	80 oct.Windmill E.
Eagleton (Decatur)	1 S,riv NE	1100	26 S2	73 oct.Poles NE,trees NW.
Elgin	0.8 SW,RR E	1930	16 S6	80 oct.Bldgs SE,N.

NEBRASKA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Fairbury	2.5 NNE,RR, hwy SE	1316	26 L S6	80 oct.Port rnwy lgts. P-line W,NW,S.
Fairmont (Geneva)	4.8 NE	1639	70h	
Falls City	2 SSW,riv N	910	14 S1	Ltd 80 oct.P-line N,W.
(P)Fremont	1.4 WNW,RRs NE	1203	38h S4	80 oct.Pole line N,NE,E, SE.
(A)Grand Island AAF(A)	3.5 NE,RR W	1843	72h R2 L5 S6	73,91,100 oct. Twr SW.
Harvard	2.5 NE	1817	76h	
Hastings	1.5 NW,RRs N,S	1940	35 L S6	73 oct. Port rnwy lgts.
Hastings Sky Ranch	3.2 WSW,RR N	1960	26 S1	73 oct.P-line S.
Hebron	1 S,RR W	1458	26 S4	80 oct,S appch 6:1, SW 10:1
Hewett's (Beaver City)	2.5 NNE,hwy S	2300	40 S1	73 oct.Pole NNW,SSW;
Hew's (Humboldt)	4.2 NNE,RR S	1200	13	Pwr line E, bldg N.
Holdrege	2 NNE,crk S	2324	26 S4	80 oct.
Kearney	4.5 S,riv N	2145	15 S1	80 oct.Trees N,p-line E.
(A)Kearney AAF (A)	4.5 ENE,RR S	2140	73h	CLOSED
Lexington	1 W,RR S	2400	32 S5	Data unver.
Lincoln	5.5 NW,RR NE	1190	71h R1 L5 S1	80,91 oct.Fld lgts prior
(P)Norfolk	3 SSW,RR W	1572	58h S4	73 oct.Riv N req.
(A)Offutt (Omaha)(A)	10 S,RR W	1046	61h R1 L5 S4	91,100 oct, No oto.
Ohiowa	3 SW	1572	20	Fence sur fld.Data unver
OMAHA	3.5 NE,lake W	977	54h R3 L6 S6	73,80,91,100 oct.No contact lgts.
100th Meridian(Cozed)	0.8 SW,RR N	2490	22 S1	80 oct, Pole line E.
→ Ord	1 NW		32 S2	80 oct. Data unver.
* Overton Int,69,SL-OH	4.8 E,RR S	2300	40 R1 L3	Bldgs,trees NW;poles NE
Pender	1 NE,RR SW	1400	22 S2	73 oct.Pole line S,SE.
Schuyler	2.5 W,bet RR and hwy		25 S4	80 oct. Data unver.
Scribner	4.1 SSE,hwy N	1315	67h	
Steckley (Weeping Water)	3 S,RR,rd E	1260	26	Pole line N.
Tecumseh	1 W,RR NE	1115	26 S2	80 oct.Trees W;p-line N.
Union (Lincoln)	4.8 NNE,RR S	1140	18h L3 S6	80,91 oct.All lgts prior
(P)Wayne	1.8 E,RR N	1475	33 S4	80 oct.P-line NW. req.
Waverly (Lincoln)	9 NE,RR SE	1180	20	Poles SE,SSW.
West Point	1.5 E,hwy W		16 S4	80 oct. Data unver.

SOUTH DAKOTA

Anderson(Mitchell)	2.7 W,RR N	1293	29 S6	80 oct.Poles sur fld.
Chamberlain	3.4 SE,hwy N	1689	26 S2	73,80 oct.Poles N,NW.
Dell Rapids Mun.	1.6 NE,RR SE	1450	20 S1	73 oct.
Elk Point	2.4 E,riv NE	1120	26 S2	80 oct.Poles N.NW
Fletcher(Reliance)	2 SE,RR NE	1600	20 S1	80 oct.
Gregory	2.2 S,RR NE	2000	22 S2	73 oct.Pole line E,SE.
Mitchell	4 N,hwy E	1292	67h	
Platte	1.2 NNE,RR SW	1650	28 S1	80 oct.Poles NE,SE,S.
Rancher's & Farmer's (Reliance)	9 N,rd N,S		30 S1	73 oct. Data unver.
Rickenbacker(Stevens)	1 N,riv E	1114	28 S6	80,91 oct.
SIOUX FALLS MUN.	2.5 NNW,RR E	1420	57h R1 L5 S3	80,91 oct.Contact lgts
Vermillion	3.8 WNW,RR NE	1140	25 S4	80 oct. Poles prior req. N.
Wagner	1.3 S,RR N	1464	30 S1	73 oct. Poles E,NW.
Winner	1.3 NE,RR SW	2038	26 S6	80,91 oct.
(P)Yankton	2.3 N,hwy W	1400	37 S6	80 oct. Twr E.

30 OMAHA

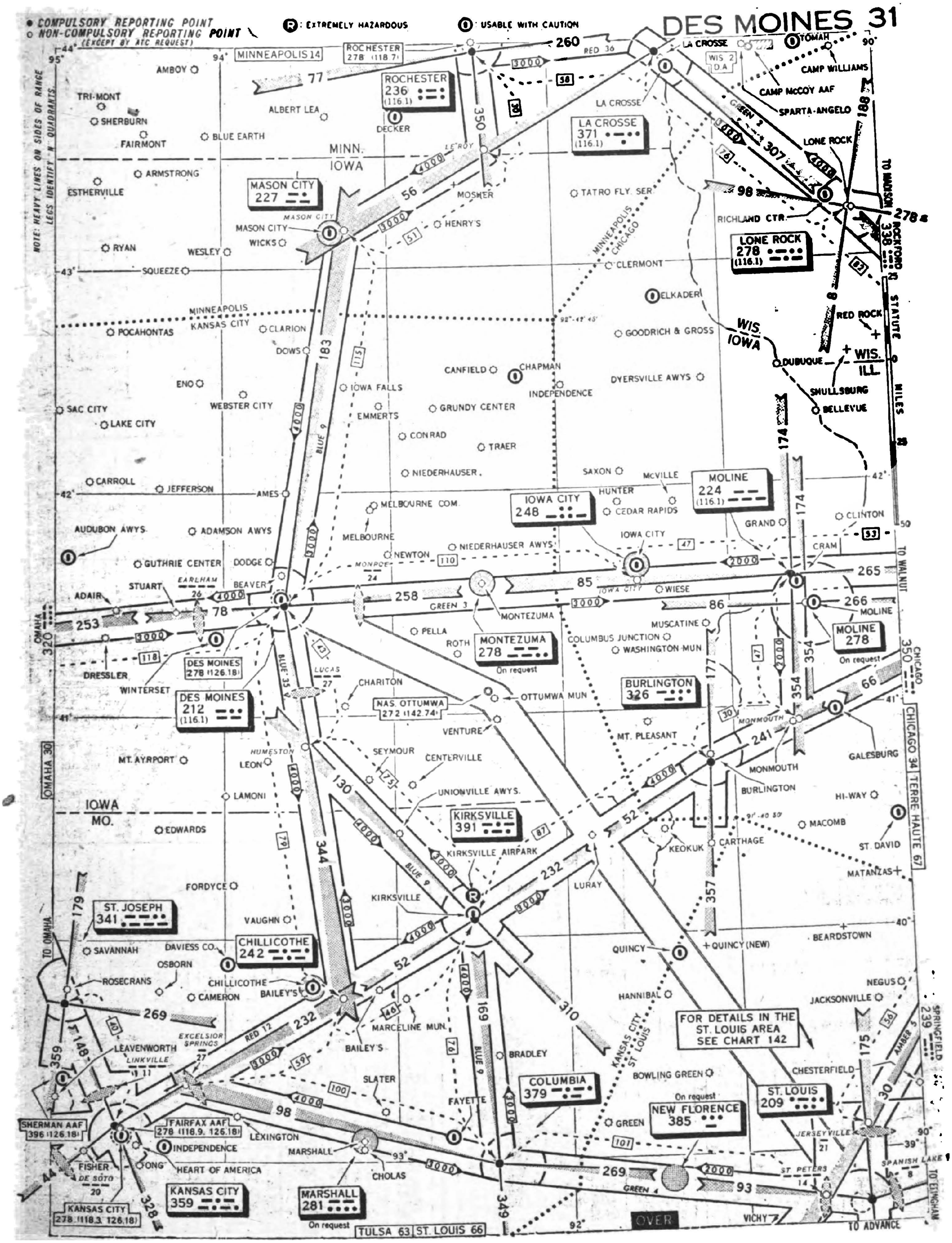
R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF AREAS LEGS IDENTIFY "N" QUADRANTS.

FARGO 11

FLETCHER ○
RANCHER'S AND FARMER'S
CHAMBERLAIN ○
MITCHELL ○
ANDERSON ○
PIPESTONE ○
DELL RAPIDS ○
MINNEAPOLIS
WORTHINGTON
McDOWELL
SIOUX FALLS 245
HURON
118
AMBER 4
RED 5
234
201
4000
3000
SIOUX FALLS
MINN.
IOWA
OKOBOJI AWYS.
JOHN E. PETERS
FULLER ○
McKISICK
SHELDON
SPENCER ○
THORNE ○
HART
WINNER
PLATTE
GREGORY ○
MINNEAPOLIS DENVER
S. DAK.
NEB.
WAGNER ○
YANKTON ○
VERMILLION ○
54
337
157
87
LIBERTY ○
WESTERN UNION COL
CHEROKEE
GEISINGER R
STORM LAKE +
DES MOINES 31
ELK POINT
RICKENBACKER
SIOUX CITY 396 (118.3, 126.18)
SIOUX CITY 335
247
NICHOLSON ○
SLOAN
67
WAYNE
PENDER ○
OLIVER RANCH
DENISON ○
EAGLETON
CALIFORNIA
DUNLAP
MANNING ○
BRIGGS ○
MISSOURI VALLEY
HARLAN
WESTPOINT +
153
18
76
SCRIBNER
FREMONT
BLAIR ○
CLEAR RIDGE
OMAHA 320
ATLANTIC MUN
ATLANTIC
TO DES MOINES
118
4000
45
253
On request
MANCOCK
30
ATLANTIC 257
MEAD
28
72
WESTON
BRAINARD
WAVERLY
OMAHA 278 (126.18)
COUNCIL BLUFFS
GLENWOOD
24
41
RED OAK
SHENANDOAH
CLARINDA
IOWA
MO.
TARKIO
AUBURN ○
TECUMSEH ○
HEWS ○
TARKIO 281
On request
CRAIG
FALLS CITY ○
SUMMERFIELD ○
BERN ○
148
359
KANSAS CITY
AMBER 4
326
123
OFFUTT AAF 396 (126.18)
ARROW
UNION ●
LINCOLN ○
LINCOLN 385 (116.1)
80
260
GRAND IS. AAF 278 (126.18)
CENTRAL
OVERTON ○
KEARNEY AAF
146
KEARNEY
HASTINGS SKY RANCH ○
HASTINGS
HARVARD
FAIRMONT ○
CRETE ○
CLAY CENTER
OHIO +
BRUNING
BEATRICE ○
HEBRON ○
FAIRBURY
350
345
165
69
RED 6
244
5000
6000
3000
GRAND ISLAND 260 (116.1)
KEARNEY AAF (W) 536
NEBR. 3 D.A.
BROKEN BOW
+ORD
COLUMBUS ○
SCHUYLER +
DAVID CITY
170
83
125
260
GREEN 3
249
72
NORTH PLATTE 236
HAYES CENTER 400
100TH MERIDIAN
LEXINGTON
On request
OVERTON 278
HEWETTS
HOLDREGE
NEB.
KANS.
NORTON
PHILLIPSBURG ○
SMITH CENTER ○
MANKATO ○
DOWNS ○
MORITZ ○
WALDO (VHF) (W) 108.7
CONTROLLED ONLY BETWEEN 8500 AND 9500 FT. MSL
BLUE
YELLOW
94
A N
6000
274
98
AMARILLO 59
WICHITA 62
SALINA (VHF) 108.3
161
184
170
SMOKY HILL AAF
344
106
BELLEVILLE
BLOSSER
CLAY CENTER
WOOD AIRPARK
MARSHALL AAF 215
MARSHALL AAF 396 (126.18)
ELKINS
SENECA ○
HIAWATHA ○
89
TOPEKA (VHF) (W) 109.1
KANS. 3 D.A.
HOLTON ○
MANHATTAN
PHILLIP BILLARD 278
MANKAN
POTTAWATOMIE
RED 1
BLUE
YELLOW
72
286
164
252
342
LAWRENCE
TULSA 63
ST. JOSEPH 341
HAWK'S ○
LARKINBURG +
162
196
TO KANSAS CITY


DES MOINES 31
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'H' QUADRANTS.
MINNEAPOLIS 14
ROCHESTER 278 (118.7)
ROCHESTER 236 (116.1)
DECKER
LA CROSSE
LA CROSSE 371 (116.1)
WIS 2 D.A
TOMAH
CAMP WILLIAMS
CAMP McCOY AAF
SPARTA-ANGELO
LONE ROCK
LONE ROCK 278 (116.1)
RICHLAND CTR.
TO MADISON
ROCKFORD R 338
STATUTE MILES
RED ROCK
WIS. IOWA
WIS. ILL.
DUBUQUE
SHULLSBURG
BELLEVUE
AMBOY
TRI-MONT
SHERBURN
FAIRMONT
BLUE EARTH
ALBERT LEA
LE ROY
MINN.
IOWA
ARMSTRONG
ESTHERVILLE
MASON CITY 227
MASON CITY
WICKS
MOSHER
HENRY'S
TATRO FLY. SER
RYAN
WESLEY
SQUEEZE
CLERMONT
ELKADER
MINNEAPOLIS CHICAGO
POCAHONTAS
MINNEAPOLIS KANSAS CITY
CLARION
DOWS
GOODRICH & GROSS
CANFIELD
CHAPMAN
INDEPENDENCE
DYERSVILLE AWYS
ENO
WEBSTER CITY
IOWA FALLS
SAC CITY
LAKE CITY
EMMERTS
GRUNDY CENTER
CONRAD
TRAER
NIEDERHAUSER
SAXON
McVILLE
CARROLL
JEFFERSON
AMES
MOLINE 224 (116.1)
HUNTER
CEDAR RAPIDS
IOWA CITY 248
MELBOURNE COM.
MELBOURNE
AUDUBON AWYS.
ADAMSON AWYS
GUTHRIE CENTER
DODGE
NEWTON
NIEDERHAUSER AWYS.
IOWA CITY
GRAND
CLINTON
CRAM
TO WALNUT
ADAIR
STUART
EARLHAM
BEAVER
WIESE
MUSCATINE
PELLA
ROTH
MONTEZUMA
MONTEZUMA 278
On request
COLUMBUS JUNCTION
WASHINGTON MUN
MOLINE
MOLINE 278
On request
DRESSLER
WINTERSET
DES MOINES 278 (126.18)
DES MOINES 212 (116.1)
CHARITON
LUCAS
NAS. OTTUMWA 272 (142.74)
OTTUMWA MUN
BURLINGTON 326
MT. PLEASANT
MONMOUTH
GALESBURG
MT. AYRPORT
HUMESTON
LEON
SEYMOUR
CENTERVILLE
UNIONVILLE AWYS.
VENTURE
LAMONI
IOWA
MO.
EDWARDS
KIRKSVILLE 391
KIRKSVILLE AIRPARK
KIRKSVILLE
LURAY
BURLINGTON
HI-WAY
MACOMB
KEOKUK
CARTHAGE
ST. DAVID
MATANZAS
FORDYCE
VAUGHN
ST. JOSEPH 341
TO OMAHA
SAVANNAH
DAVIESS CO.
OSBORN
CHILLICOTHE 242
CHILLICOTHE
BAILEY'S
CAMERON
ROSECRANS
LEAVENWORTH
LINKVILLE
EXCELSIOR SPRINGS
BAILEY'S
MARCELINE MUN.
BRADLEY
SLATER
FAYETTE
QUINCY
+QUINCY (NEW)
BEARDSTOWN
HANNIBAL
NEGUS
JACKSONVILLE
KANSAS CITY ST. LOUIS
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142
BOWLING GREEN
CHESTERFIELD
COLUMBIA 379
ST. LOUIS 209
On request
NEW FLORENCE 385
GREEN
JERSEYVILLE
SPRINGFIELD 239
SHERMAN AAF 396 (126.18)
FAIRFAX AAF 278 (118.9, 126.18)
INDEPENDENCE
LEXINGTON
MARSHALL
CHOLAS
FISHER
DE SOTO
ONG
HEART OF AMERICA
KANSAS CITY 359
MARSHALL 281
On request
KANSAS CITY 278 (118.3, 126.18)
ST. PETERS
SPANISH LAKE
TO ELSINGHAM
VICHY
TO ADVANCE
TULSA 63 ST. LOUIS 66
OVER
CHICAGO 34 TERRE HAUTE 67
OMAHA 30
OMAHA 320

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARD. HRS. OF OPER., REMARKS
JERSEYVILLE FM	(-)	FM, 355°, 21	St. Louis, Mo.
MOLINE	224(MO)(116.1)	SBRAZ-VDT, 142°, 12	(4), 116.1
Moline Airport	278	ML, 86°, 2.3	3105 (on req)
IOWA			
BURLINGTON	326 (BN)	SBRAZ-DT, 357°, 1.8	(4)
DES MOINES	212 (DM)(116.1)	SBRAZ-VDT	(3), 116.1
Des Moines Arpt.	278 (126.18)	C, 344°, 2	(4), 116.1, 131.9, 126.18
EARLHAM FM	(- - - -)	FM, 252°, 26.3	Des Moines
IOWA CITY	248 (IX)	BHT	(4)
LUCAS FM	(- - -)	FM, 164°, 27.2	Des Moines
MASON CITY	227 (NM)	MHT	(4) oper cont.
MONROE FM	(- -)	FM, 78°, 23.5	Des Moines
MONTEZUMA (Int)	278 (MZ)	MHT	(4)
OTTUMWA NAS	272 (142.74)	CN	(3), 142.74
KANSAS			
FAIRFAX (Kansas City)	278 (126.18) (118.9)	C	(4), 126.18, 131.9, 118.9
SHERMAN (Ft. Leavenworth)	396 (126.18)+	CA	(3), 126.18 cont. except Sun. (23-7)
MINNESOTA			
ROCHESTER	236(RR)(116.1)	BMRLZ-VDT, 350°, 2.5	(3); 116.1
Rochester Airport	278(118.7)	C	(4); 126.18, 118.7, 131.9
MISSOURI			
CHILLICOTHE (Int)	242 (CK)	MRT	(4)
EXCELSIOR SPRGS FM	(-)	FM, 52°, 27	Kansas City
KANSAS CITY	350 (KC)	SBRAZ-DTX	(3)
Kansas City Arpt.	278 (126.18) (118.3)	AC (ILS), 148°, 3	(4), 116.1, 131.9, 126.18, 118.3
KIRKSVILLE	391 (KR)	BMRLZ-DT, 333°, 0.9	(4)
LINNVILLE FM	(- - - -)	FM, 323°, 11.4	Kansas City
MARSHALL (Int)	281 (MH)	MHT	(4)
ST. JOSEPH (Rosecrans)	341 (ZJ)	SBMRLZ-DT, 359°, 3.7	(4)
WISCONSIN			
LA CROSSE (Int.)	371(LE)(116.1)	SBRAZ-VDT, 127°, 1.8	(4), 116.1
LONE ROCK (Int.)	278(LK)(116.1)	BMLZ-VDT, 98°, 0	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mc. Compass locators in kc.)

AIRPORTS	LOCALIZER	G.P.	LOM	MARKER	OUTER COMPASS LOCATOR
KANSAS CITY Int.	109.9	333.8	272° Mag	W ·-·-·- (.01)	OM 221---·-·- (2.6) / OM 248---(11.0)

Range and Voice: W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

REPORTS

ILLINOIS

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Beardstown	1.5 SE; RR N,W		18 S2	80 oct. Data unverified.
Carthage	1.5 SSW, RR E	665	19	Pole line NE, E.
* Chesterfield Int. 4, LS-CG	3 ENE, hwy N	612	26 L3	
Galesburg	1.7 NW, RR SSW	788	27h L3 S6	80 oct. Fld lgts prior req. Trees SW, NE.
Hi-Way (Piatt)	1.3 NW, RR E	665	20 S1	80 oct. 35 poleline S, E.
Jacksonville	3.9 S, hwy E	650	19 S4	80 oct. Trees SW.
Macomb	2.4 E, hwy E	695	23 S6	73, 80 oct. No sto.
Matanzas (Havana)	4 S, riv W	480	24 S2	80 oct. Data not verif.
MOLINE	4 S, hwy E	590	40h R1 L3 S6	73, 80, 91, 100 oct.
Monmouth	1.5 NNE, rd E	770	31 L1 S6	80 oct. Poleline E, W, S.
Negus (Alexander)	2.8 WNW, RR SE	645	22	PRIVATE.
Quincy	2.8 SE, hwy E	650	26 S4	80 oct.
St. David	1.5 SW, hwy N	628	22 S2	80 oct. Lgt acft only.

IOWA

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adair	1.5 SSE, RR NW	1350	18 S1	Ltd 73 oct. Trees S.
Adamson Airways	4.8 WSW, hwy N	1000	17 S6	80 oct. (Perry)
Ames	2.5 SSW, RR NW	920	25 S6	80 oct. Lgt acft only.
Armstrong	3.2 NW, hwy S	1250	22 S1	Ltd 80 oct. Trees E.
Audubon Arwys	1 SSE, RR W	1300	15 S1	80 oct. (Audubon)
Beaver	3.4 NW	900	25 S6	80 oct. (Des Moines)
Bellevue	3 N, RR W	652	19 S1	80 oct.
(P)BURLINGTON	1.7 SSW, hwy E	698	54h R1 L5 S6	80, 91, 100 oct.
Canfield (Waterloo)	3.5 NW, RR NE	800	32 S6	87 oct. Pole line N
Carroll	4.2 ESE, RR N	1196	34 S2	80 oct.
(P)Cedar Rapids	6.7 SSW, RR E	860	55h L5 S1	80, 91 oct.
Centerville	3.5 SSW, RR N	1017	25 S2	80 oct. Use strips only
Chapman (Waterloo)	5 E, RR NW	870	33 S6	80 oct. Poleline S.
Chariton C.A.P.	2.3 NNE, RR SE	1050	16 S1	80 oct.
Clarion	1.1 NW	1162	27 S6	80 oct.
Clermont	0.8 S, riv W	800	21 S6	80 oct. Poleline SE, NE.
Clinton	6.2 WSW, RR S	700	27 L S6	80 oct. No sto. Port rnwy lgts.
Columbus Jct.	3 N, RR E	560	28 S2	80 oct. Poleline N, E lgts.
Conrad	3 WNW, RR S	1000	23 S2	80 oct. 27° bldg E.
Cram (Davenport)	2.5 NW, RR SW	646	21 S6	80, 91, 100 oct.
Creston Arwys	1.6 NE, RR W	1320		UNUSABLE. (NC)
(A)DES MOINES	4.5 SSW, RR W	950	57h R2 L5 S4	80, 91 oct.
Dodge (Grimes)	3.5 E, hwy, RR E	935	27 S6	80 oct.
Dows	1.5 SSE, RR NE	1144	26 S2	80 oct.
Dressler (Anita)	7 SSE, rd W	1250	17 S2	80 oct. Trees S.
Dubuque	1.9 NE, riv E	602	27 S6	80 oct. Poles SE, NW.
Dyersv'l Arwys (Dyersville)	0.8 S, RR NE	940	16 S1	80 oct. Pwr lines NW, NE
Elliot Fly. Svc.	Adj S	550	Unl. S1	80 oct. (Davenport) (NC)
Emmerts (Eldora)	2.8 NE, lake SW	1000	32 S6	80 oct. Poles NW, SE
Eno (Ft. Dodge)	2.5 E, hwy W	1136	27 S6	91 oct.
(P)Estherville	3.5 E, hwy S	1298	35 L S6	80 oct. Port rnwy lgts.
Goodrich & Gross (Strawberry Pt.)	3.5 W, RR NE	1200	19 S1	Ltd 80 oct. Poles SE, SW.
Grand	1.2 SW, RR N	770	20 S2	80 oct. (Grand Mound)
Grundy Center	1.3 ENE, RR S	990	18 S1	80 oct. Pole line S.
Guthrie Center	0.5 NW, riv E	1074	21 S1	80 oct.
Henry's (Floyd)	5 NNE, RR W	1110	14 S1	80 oct. Poles ENE. Steep sloped strips.
(P)Hunter (Cedar Rapids)	3 S, riv N	732	27 L3 S6	80, 91 oct. Fld lgts prior req. Poles S, E.
(P)IOWA CITY	1.7 SW, riv E	650	43h R1 L1 S6	90, 91 oct. No sto.
Iowa Falls	4.1 S, RR E	1140	24 S2	80 oct.
Jefferson	0.8 NNW, RR S	1052	23 S6	80 oct. No sto. Poleline
Keokuk	4.6 NNW, riv E	670	28 S1	Ltd 80 oct. N.
Lake City	3.5 NNE, RR S	1200	26 S1	80 oct.
* Lamoni Int, 10, KC-MP	3 WNW, RR NE	1163	37 L3 S2	73 oct.
Leon	4.1 N, RR SE	1050	20 S2	80 oct.
McVille (Mechanicsv'l)	3.2 WNW, RR S	850	30 S6	80 oct. Poles S, W.
(P)MASON CITY	7 W, hwy S	1215	56h R1 L5 S6	80, 91, 100 oct. Poles SSE
Melbourne	1.5 SW	1000	20 S1	80 oct. Poles N.
Melbourne, com.	0.3 S, RR E	1000	21 S2	80 oct. Pole line E.
* Montezuma Int, 17, OH-CG	3 E, hwy N	953	32 R1 L3	Poles, trees SW. Pwr line N.
Mt. Ayrport (Mt. Ayr)	6.6 N, RR N	1100	21 S1	Ltd 80 oct. Poles N, NE
Mt. Pleasant	2.6 ESE, RR N	727	19 S2	80 oct.
Muscatine	6 SW, RR SE	546	36 L3 S6	80 oct.
Newton	1.5 ENE, hwy S	950	19 S1	80 oct.
Niederhauser	2.3 N, hwy E	890	30 S6	80 oct. (Marshalltown)
Niederhauser Arwys (Grinnell)	4.5 E	1000	26 S2	80 oct.
Ottumwa	3.6 N, hwy W, S	830	32 S6	80, 91 oct.
(N)Ottumwa NAS	6.4 NNW	841	52h R1 L5 S6	73, 100 oct. (N)
Pella	3.5 SE, RR N	877	24 S6	80 oct.
Pocahontas	0.8 E	1216	25	Pole line SW
Ryan (Emmetsb'g)	1.3 W, RR N	1225	18 S2	80 oct. Trees NW.
Sac City	3 SSE, riv W	1160	19 S2	80 oct.
Saxon (Ced. Rpds)	7 NE, hwy S	880	31 S6	80 oct. Trees E, SE.
Seymour	2 NNW, RR S	1060	24 S1	80 oct. Hedge S.
Squeeze (Algona)	5 S, riv S	1201	26 S2	80 oct. Pole line NW, W
* Stuart Int, 8, OH-CG	3.5 SE, rd E	1189	31 L3	Pole line NE, E.
Tatro Fly. Svc.	2.6 NW, riv W	918	26 S2	80 oct. (Decorah)
Traer	1 ENE, RR SW	895	18 S2	80 oct. Pole line E.
Venture (Ottumwa)	2.8 SSE, RR W	800	13 S6	80 oct. Poleline N, W, NE
Washington	1.5 SSE, RR NE	769	26 S6	80 oct. Poleline E, SE.
Webster City	3.3 SW, riv E	1100	26 S4	80 oct. No sto.
Wesley	1.5 E, RR N	1250	31 S1	80 oct. Poleline N, S.
Mosher (Riceville, Ia.)	1 W, hwy S	1263	26 S4	80 oct. P-line S. Data unver.

KANSAS

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A)Fairfax (Kans. Cy)	3 NE, RR E	742	65h R1 L5 S4	91, 100 oct. (A)
Fisher	1 ESE, RR N	770	26 S6	80 oct. (Edwardsville)
Leavenworth Lecompton	3.6 WSW, RR E	1125	14 S4	80 oct. No sto. Trees, bldg S.
(A)Sherman (Ft. Leavenworth	1 NNE, RR W	771	60 R1 L5 S4	73, 91, 100 oct. (A)
MINNESOTA				
(P)Albert Lea	2.3 N, RR E	1255	32 S6	80 oct. No sto. Poleline
Amboy	1 NNE, RR W	1000	24 S1	80 oct. N.
Blue Earth	3 S, RR E	1111	23 S1	80 oct. Poleline E.
Decker (Austin)	1.7 E, hwy N	1224	26 S4	73 oct. Obsts sur fld.
Fairmont	3.1 S, hwy W	1190	24 S1	80 oct. Poleline W.
ROCHESTER	1.7 SSE, RR W	1040	43h R2 L4 S6	80, 91 oct. Poleline E, N
Sherburn	2 WNW, RRs S, E	1300	21 S2	80 oct. Pwr line ESE.
Tri-Mont	0.9 S, RR W, E	1250	22	(Triumph)
MISSOURI				
Bailey's (Brookfield)	2 WSW, RR N	800	26 S2	80 oct. Pwr line SE. Poles E, SE; NW blckd
Bailey's Arpk (Chillicothe)	2 SSE, RR W	675	32 S6	80 oct. Poles S.
Bowling Green	1.6 NW, RR E	882	25 S2	80 oct. Poles S, pwr line
(P)Bradley (Moberly)	3 NNE, hwy W	865	37h S6	80 oct. Obsts. SE.
Cameron	3 NE, RR NW	1050	21 S4	80 oct. Poles N, W, NNW
* Chillicothe Int, 7, KC-CG	3 E,	731	25h R1 L3	Pole line S, trees SW.
Edwards	1.2 ENE, RR W	920	17 S1	Ltd 80 oct. (Grant City)
Fayette	1.5 S	660	28 S2	80 oct. Data unverified.
Fordyce (Bethany)	4.8 ESE, RR WNW	1050	22 S2	80 oct.
Green (Mexico)	4.3 ESE, RR S	815	36 L S6	80 oct. Port rnwy lgts.
Hannibal	4.3 WNW, hwy N	735	28 L S6	80 oct. Poleline SW.
Heart of America (Kansas City)	4 E, RR E	759	23 S6	80 oct. Port rnwy lgts. Poles, trees S.
Independence	5.8 ESE, RR S	825	23 S6	80 oct. Poles S.
KANSAS CITY	2.5 NW, riv W, S	739	32h R3 L6 S6	80, 91, 100 oct. Poles E.
Kirksville Arpk	Adj SE	927	26	Clsd for winter. Ldike W.
12, KC-CG	7 SE, hwy NE	970	39h R1 L3 S6	91, 80 oct.
Lexington	3 WNW, RR NW	650	33 S6	73 oct. Poleline S, W, SW
* Luray Int, 16,	1.9 ESE, hwy N	727	26 L3	KC-CG
Marceline	1.5 N, RR SE	855	20 S1	80 oct. Pole line NNE.
* Marshall Int, 7, KC-LS	1.8 S, hwy E	800	39 R1 L3 S2	80 oct. Silo NE corner
Maryville	2.2 WNW, RR N	1154	25 S6	80, 91 oct.
Nicholas (Marshall)	3.0 S, hwy W	770	26 S4	80 oct. Pwr line S.
* Osborn Int, 4,	1.5 NW, hwy S	1046	32 L3	KC-MP
ROSECRANS	4 NW, riv S	821	60h R1 L5 S4	(St. Joseph) 80, 91, 100 oct.
Savannah	1.3 E, RR W	1025	13 S1	80 oct. Fld lgts on req.
Slater	0.8 NW, hwy S	850	26	Pole line adj N.
Unionville Arwys	1.5 ESE, hwy NE	1100	24 S2	80 oct. Pole line N.
Vaughn (Trenton)	1.2 NNW, RR E	790	26 S1	Ltd 80 oct.

WISCONSIN

(A)Camp McCoy (A)	2.6 E Sparta	830	38h	RR W
(P)La Crosse	5 NNW, bet rlys	653	53h L5 S4	80, 91 oct.
* Int, 23A,	8 NNW, RR NE	667	37 R1 L3	Pole E. (CG-Twin Cys)
* Lone Rock Int, 15, CG-Twin Cys	2 N, rd W, N	714	39 R1 L3 S2	Ltd 80 oct. Poleline NE
Red Rock (Darlington)	5 SE, RR E		12 S1	80 oct. Data not verif.
Richland Center	6 SSE, hwy W		23 S1	80 oct. Trees E, S. Data not verified
Shullsburg	0.5 S	1000	18 S1	80 oct. Trees SW. Data not verified.
Sparta-Angelo	2.2 NE, RR E	800	25 S1	80 oct. Poles sur fld.
Tomah	1 E, RR N	970	18 S1	73 oct. 180° hill E.
(P)Camp Williams	1 N, RR SW	915	31h	(Camp Douglas, Wisc.)
Elkader Ia.	1.1 ESE; RR S	915	17 S2	80 oct. Pole line NW;
Independence Ia.	4.1 W; RR E	990	23 S2	80 oct. Poles N.
Roth (Oskaloosa) Ia.	2 SSE; RR NE	850	20 S2	80 oct. Trees sur fld.
Wicks (Garner) Ia.	1.8 NW; RR S	1230	26 S2	80 oct. Poles NW, SW.
Winterset Ia.	2 W; RR E	1130	20 S4	80 oct.
Quincy, new (Ill.)	9.5 E	760	54h	Data unverified.
Daviess County (Gallatin, Mo.)	1.1 W, RR N	930	16 S1	80 oct. Pole N.
Wiese Fly. Serv. (Lone Tree, Ia)	3.4 NNE		26 S2	80 oct. Hi-line N. Data unver

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA.

RADIO — ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASHBURN LFM	(- -)	LFM, 152°, 6.25	Chicago
BRADFORD (Int.)	382 (MQ)	MHT	(4)
CHICAGO	350 (CG)(116.1)	SBRAZ-VDTX,152°,2.2	(3),116.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
→ GLENVIEW (Navy)	269 (NBU)	BMLZ-DT	(3): 140.58,142.74
Glenview NAS	236 (142.74) (140.58)	CN, 140°, 3	(3) 140.58;3117.5 on req.
HARVEY (Rubinkam)	385 (GH)	MLWZ, 90°, 2.2	
→ JOLIET	257 (JO)(116.1)	SBRAZ-VDT,126°,3.7	(4); 116.1
NEWARK FM	(- - -)	FM, 246°, 49	Chicago
PEORIA	356 (PI)	SBMRAZ-DT,178°,2.3	(4)
ROCKFORD (Machesney)	338 (RD)(116.1)	SBRAZ-VDT, 45°,1.8	(4): 116.1
INDIANA			
LOWELL FM	(. . - -)	FM, 152°, 40	Chicago
McCOOL (Int.)	359 (ML)(116.1)	MHVT	(4); 116.1
McCOOL FM	(- - - -)	FM, 270°, 67	Goshen
WISCONSIN			
GENERAL MITCHELL (Milwaukee)	278 (118.5)	C	(4);118.5
GENESEE FM	(- - -)	FM, 279°, 25.3	Milwaukee
KENOSHA FM	(- -)	FM, 178°, 24.7	Milwaukee
MADISON (Truax)	400 (MA)(116.1)	BMLZ-VDT 314°,2.6	(4) :116.1
→ MILWAUKEE (Gen'l Mitchell)	242(MK)(116.1)	SBRAZ-VDT,352°,2.5	(3); 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ILLINOIS

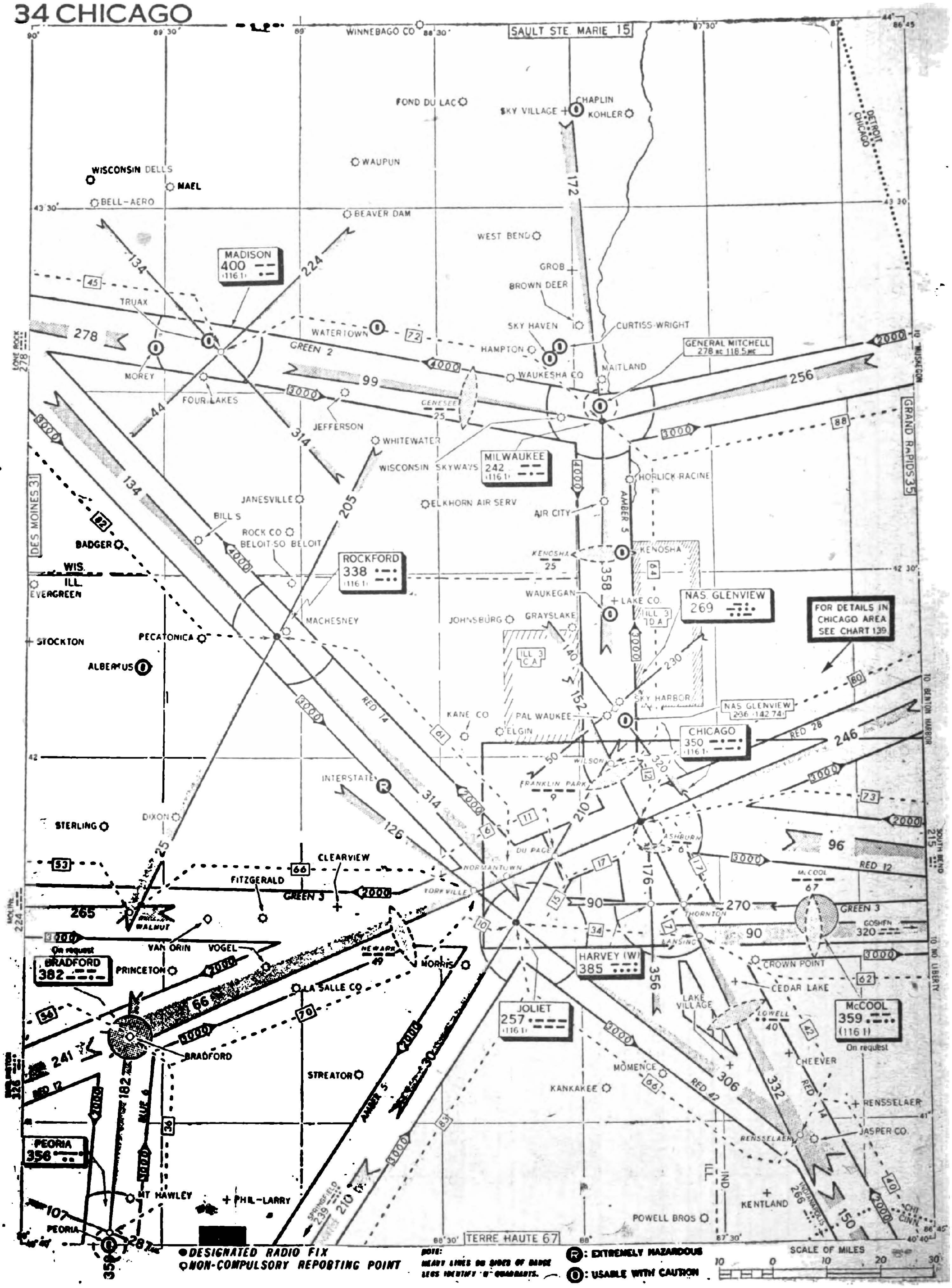
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Albertus (Freeport)	3.8 SE;RR S,W	740	33 S4	73 oct. Tank S.
→ Beloit-S.Beloit(S.Beloit)	1 S, RR E	772	33 S6	80,91 oct. Pole line W.
★ Bradford Int,29,KC-CG	4.5 NNE	795	26 R1 L3 S1	80 oct. Pole line SW, NE.
Dixon	1.9 ESE;RR S	786	26 L3 S6	73 oct.No bndry lgts.Poles S,N.
Evergreen (Warren)	1.4 SSE;hwy S	1000	26 S1	80 oct. Trees W.
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct.Trees E.
(N) Glenview NAS (N)	1.6 NW;RR W,E	654	63h R2 L3 S6	91,100 oct. No sto. NAFC
Grayslake	1.1 ENE;rd W	791	26	Trees W, S, E.
Interstate (De Kalb)	1.8 E;RR W	900	42h	
→ Kane County (Elgin)	7 WNW;hwy E	910	21 S4	80 oct.Pole line NE
Kankakee	3.2 WSW;hwy E	625	26 S4	73,80 oct.Use strips only.Ditch N.
Kiswaukee(Sycamore)	2.1 SW;rd E	830	18	(NC)
La Salle Co.(Utica)	1.8 NNW;hwy S	619	12 S2	80 oct. Poles NE.
Machesney,7,CG-Twin Cities (Rockford)	6 NNE;riv W	735	29 R1 L4 S6	73,80 oct. Pole line E.
Momence	3.5 SW;riv NW	645	23 S2	80 oct.Trees N,NW,NE.Riv N.
Morris	4.5 N;hwy W	590	21 S2	73 oct.Poles N,NNE.
Mt.Hawley (Peoria)	6.4 N;rds E,S	700	28 S6	80 oct.Pole line S, E.
Pal-Waukee(Glenview)	5.5 WNW;RR S	642	26 L3 S6	80,91 oct. Pole line N
Pecatonica	1 N;hwy E	750	24 S1	73 oct.Poles E.
PEORIA	4.8 WSW;rd E	659	44h R1 L1 S6	80,91 oct.Trees W,bldgs NE.
Phil-Larry (Roanoke)	4 W	747	23 S6	80 oct. Data not verified.
Powell Bros.(Sheldon)	2.2 S;hwy NE	650	20 S2	80 oct.
Sky Harbor (Northbrook)	1.6 NW,RR SE	680	26 S6	80, 91 oct. Port rnwy lgts.
Sterling	1.4 NW;hwy E	645	25 L3 S4	80 oct.No bcn.Lgts prior req.
Stockton	2.3 SSE	940	18 S1	80 oct.Data not verified.
Streator Air Service	2 ENE;hwy S	650	26 S4	80 oct.Pole line E.
★ Van Orin Int,34,OH-CG	1 ENE;RR S	828	33 L3	Poles W.
Vogel (La Salle)	6.5 NNW;RR E	664	26 S2	80,90 oct.Soft when wet.Poles N,W.
Waukegan	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Will Co. (Steger)	0.5 S;RR W	740	15 S6	Pole line S, No sto.or fuel.

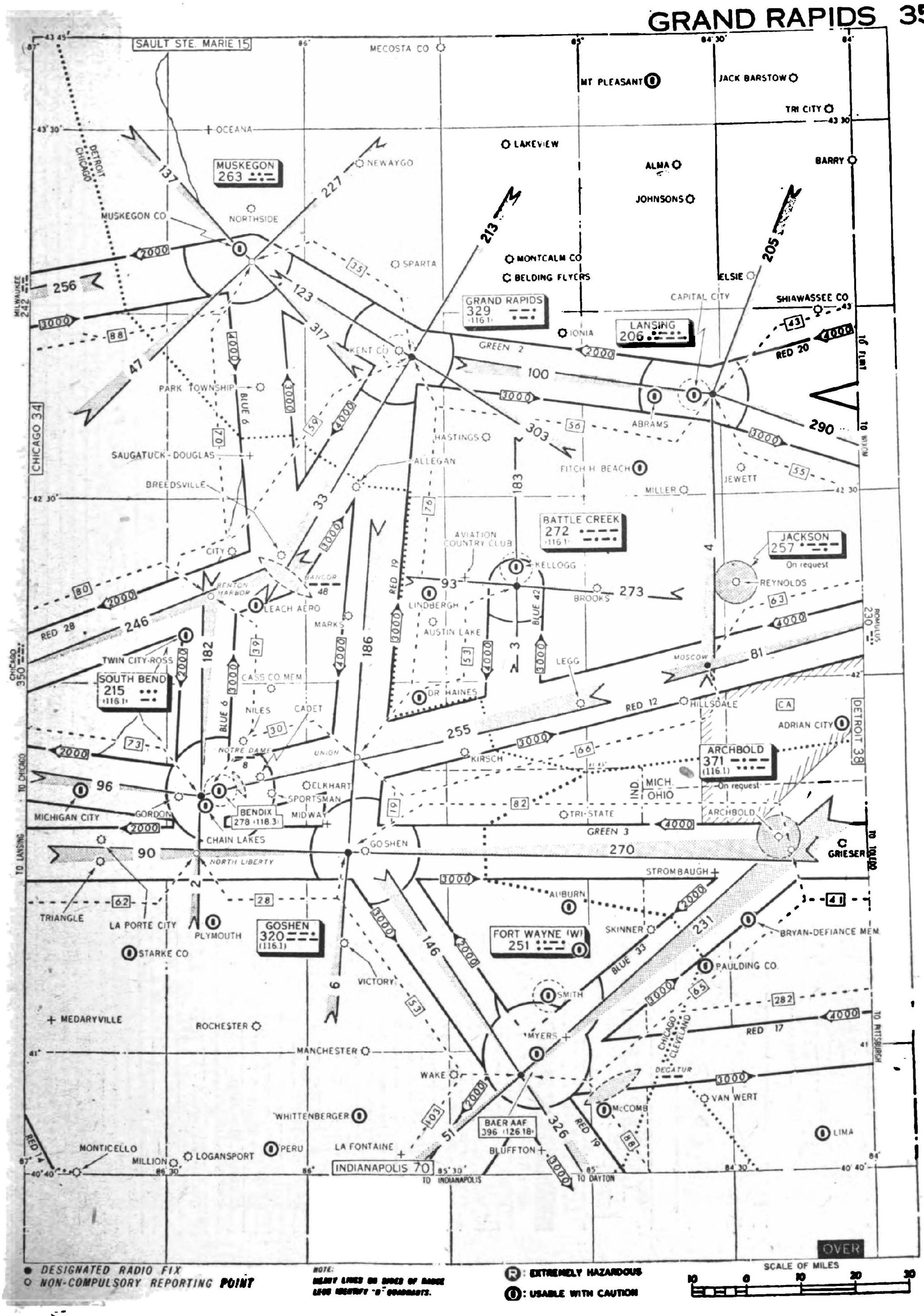
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii)(NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Princeton	3 N,creek N		18 S2	80 oct.Data unverified.
Elgin	2.2 N;hwy W	770	28 S1	80,91 oct.
Johnsburg Arpk	0.4 SSW;riv S	740	20 S4	80 oct.
INDIANA				
Cedar Lake	1.5 NNW;lake E	751	28 S4	73,80 oct.Data not verified.
Crown Point	1 N		30 S1	80 oct.Pole line E.Data not verified.
Jasper Co.(Rensselaer)	1.5 WNW;RR NE	676	28 L3	Pole line S; twr SW.
Lake Village	1 NW;hwy S	650	22 S2	80 oct. Data not verified.
WISCONSIN				
Air City(Sturtevant)	0.6 SE;RR E	633	25 S4	80 oct. Pole line NW.
Badger (Monroe)	1.8 SW;RR N	1080	20 S1	80 oct.
Beaver Dam Inc.	2 N;lake W	914	15 S1	80 oct.
Bell-Aero Service	4 NNW;hwy W	980	21 S4	80 oct. (Baraboo)
→ Brown Deer(Milwaukee)	10 NNW;RR E	681	25 S6	80 oct.Pole lines N;trees SE.
→ Curtis-Wright	9 NW;riv SW	750	30 S6	(Milwaukee)80,91 oct.Rnwy data unver.
Elkhorn Air Service	1.5 N;hwy E	1000	13 S1	80 oct.Rough and rolling.
Fond du Lac	2.6 ENE	769	26 S2	80 oct. 50' hi-line N.Lake WNW.
→ GENERAL MITCHELL (Milwaukee)	6 S;RR E	675	50h R2 L4 S6	80,91,100 oct.
Horlick-Racine (Racine)	2 N;RRs E,W	665	25h L1 S6	80,91 oct. Trees N, SE.
→ Janesville City(Janesville)	1.8 NNE;RRs NW	880	26 S6	80,91 oct. 51'twr SE;pole line SE
Kenosha	2 S;RR W	623	29 L S6	80, 91 oct.Flood lgts.
(P) Kohler	1 N;hwy S	647	30 L1 S6	80 oct.Obsts sur fld.
Mael (Portage)	1.6 NW;lake SE	820	26 S6	80 oct.Obsts sur fld.
Maitland(Milwaukee)	3 ESE;hwy W	590	25 S6	80,91 oct. Stack S.
Morey (Madison)	9 WNW;hwy E	928	34 S6	80 oct.30' pole line S.
(P) Rock Co.(Janesville)	4.5 SSW;RR W	807	54h L5 S2	80, 91 oct.
Skyhaven (Milwaukee)	10.5 WNW	800	26 S1	80 oct.Pole line N,trees E, S.
(A) TRUAX(Madison)	5 NE;hwy E	858	60h R1 L5 S2	80,91 oct.Fld lgts & Svcg not avail 0030-0730.
Watertown	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
→ Waukesha County	1.8 N;rd jct NW	904	31 S6	80,91 oct. Pole line S.
→ West Bend Flying Serv.	2.5 E;riv S	880	21 L3 S6	80 oct.Fld lgts prior req. Poles sur fld.
(P) Winnebago Co.(Oshkosh)	2 SSW;RR NE	776	50h L1 S4	80 oct.No sto.Pole line NE,N,W.Rnwy unver.
Wisconsin Dells-Lake Delton(Lake Delton)	0.8 SE;riv NW	910	24 S6	80 oct.2 hills SW;trees,pole line NW,NE, and SE.
Waupun (Wisc.)	3.5 W;RR E	912	14 S1	80 oct.
Bill's (Broadhead)(Wisc.)	1.8 S;riv S,W	780	23 S1	80 oct.
Jefferson (Wisc.)	1.7 WSW;RR E	800	13	Pole line N.
→ Whitewater (Wisc.)	2 N;RR S	810	22 S5	80 oct.Poleline E,ENE,ESE;ridge E.
(P) Four Lakes (Madison)	3 SSE;lake N	881	30 S6	80 oct.Obst.lgts prior req. (Wisc.)
Chaplin Arpk(Plymouth, Wisc.)	0.5 N ;RR W		22 S2	80 oct. Data unver.
Grob (Cedarburg,Wisc.)	2 N	875	24 S4	Data unverified.
Clearview (Earlville,Ill.)	3 E;hwy S		18 S1	80 oct. Data unverified.
Cheever (Demotte,Ind.)	3 W		29 S1	80 oct. Data unverified.
Kentland (Ind.)	6 ENE		19	Data unverified.
Rensselaer (Ind.)	10 NE		18	Data unverified.
Sky Village(Plymouth) (Wisc.)	1.8 WNW	900	18 S1	80 oct. Unverified.
Lake County(Waukegan,Ill.)	4.4 NNW	718	40 S6	80,91 oct.Data unverified.
Wisconsin Skyways (Hales	0.7 SSE;hwy W	770	21 S2	80 oct. Trees SW

34 CHICAGO


90°
89° 30'
89°
88° 30'
87° 30'
87°
44°
86° 45'
WINNEBAGO CO
SAULT STE. MARIE 15
FOND DU LAC
SKY VILLAGE
CHAPLIN
KOHLER
DETROIT
CHICAGO
WISCONSIN DELLS
MAEL
BELL-AERO
WAUPUN
BEAVER DAM
WEST BEND
43° 30'
MADISON
400
(116)
134
224
45
TRUAX
278
MOREY
FOUR LAKES
WATERTOWN
72
GREEN 2
4000
99
3000
JEFFERSON
44
314
GENESEE
25
HAMPTON
WAUKESHA CO
MAITLAND
GENERAL MITCHELL
278 RC 118.5 MC
2000
256
88
GRAND RAPIDS 35
TO MUSKEGON
WHITEWATER
WISCONSIN SKYWAYS
MILWAUKEE
242
(116)
HORLICK-RACINE
AMBER 3
AIR CITY
ELKHORN AIR SERV
JANESVILLE
BILL S
ROCK CO
BELOIT-SO BELOIT
205
DES MOINES 31
BADGER
WIS.
ILL.
EVERGREEN
ROCKFORD
338
(116)
KENOSHA
25
64
42° 30'
358
WAUKEGAN
LAKE CO.
NAS. GLENVIEW
269
FOR DETAILS IN CHICAGO AREA SEE CHART 139
MACHESNEY
JOHNSBURG
GRAYSLAKE
ILL 3
CA
ILL 3
70 A
140
152
230
STOCKTON
PECATONICA
ALBERTUS
SKY HARBOR
NAS GLENVIEW
236 (142.74)
KANE CO
PAL WAUKEE
ELGIN
CHICAGO
350
(116)
RED 28
246
80
TO BENTON HARBOR
RED 14
61
42
INTERSTATE
WILSON
FRANKLIN PARK
50
320
12
314
210
11
6
DIXON
STERLING
126
25
DU PAGE
ASHBURN
17
73
2000
96
RED 12
53
66
CLEARVIEW
FITZGERALD
GREEN 3
NORMANTOWN
YORKVILLE
15
90
176
270
THORNTON
M. COOL
67
265
WALNUT
10
34
7
LANSING
90
GREEN 3
GOSHEN
320
VAN ORIN
VOGEL
On request
BRADFORD
382
PRINCETON
NEWARK
49
MORRIS
HARVEY (W)
385
CROWN POINT
62
CEDAR LAKE
LA SALLE CO
56
66
70
LAKE VILLAGE
LOWELL
40
42
McCOOL
359
(116)
On request
241
BRADFORD
STREATOR
MOMENCE
66
306
332
CHEEVER
RED 42
RED 14
JOLIET
257
(116)
356
RENSSELAER
41°
JASPER CO.
PEORIA
356
182
RUR 4
30
83
KANKAKEE
MT HAWLEY
PHIL-LARRY
107
PEORIA
287
SPRINGFIELD
239
210
IND
ILL
KENTLAND
INDIANAPOLIS
266
150
40
CHI
CINN.
POWELL BROS
88° 30'
TERRE HAUTE 67
88°
87° 30'
86°
40° 40'
45'
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY "R" QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE "B" CHANNELS.

Ⓡ: EXTREMELY HAZARDOUS
Ⓓ: USABLE WITH CAUTION

RADIO

INDIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAER, FORT WAYNE	396 (126.18)	CA(ILS)	(3);142.74,126.18
BENDIX, (South Bend)	278 (118.3)	C	(4);118.3,126.18,131.9
DECATUR FM	(- -)	FM, 148°, 24.7	Ft. Wayne
FORT WAYNE (Baer Fld)	251 (FW)	MRLWZ; 51°,3.5	
GOSHEN	320(GO)(116.1)	SBRAZ-VDT,89°,2.7	(4); 116.1
NOTRE DAME LFM	(- -)	LFM,75°, 8.2	South Bend
SOUTH BEND (Bendix)	215(SN)(116.1)	SBMRAZ-VDT,75°,3.3	(3):116.1

MICHIGAN

BANGOR FM	(- - -)	FM 213°, 48	Grand Rapids
BATTLE CREEK (Kellogg)	272(JC)(116.1)	BMLZ-VDT, 3°, 3.2	(4):116.1
GRAND RAPIDS (Kent County)	329(GR)(116.1)	BMRLZ-VDT,303°.2	(4):116.1
JACKSON (Reynolds)	257 (JN)	MRT	(4)
LANSING (Capital City)	206 (LJ)	SBMRAZ-DT,280°,3	(4)
MUSKEGON (Muskegon County)	263 (UK)	BMLZ-DT,317°,2.8	(4)

OHIO

ARCHBOLD (Int)	371(VV)(116.1)	HVT	(4); 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAER, INC.	110.3		314° Mag.	IM (.05)	MM ····· (1.05)	OM -- (4.55)
					MMK	OMK

S-Steel, Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116 1, 137 88, 140 58 mcs.

AIRPORTS

INDIANA

AIRPORT—CITY NAME	LOCATION	EL.	CLASS	REMARKS
Auburn	1.3 NNW;RR E	872	27 S2	73,80 oct.Trees sur fld.
(A) BAER (FORT WAYNE)(A)	7 SSW;RR E	798	63h R3	INACTIVE
(A) BENDIX (SOUTH BEND)	3.5 NW;hwy S	778	48h R2 L3 S6	80-100 oct.Poleline S,N.
Cadet (South Bend)	6.5 NE;RR E	730	33 S4	80 oct.Twr W;poleline E.
Chain Lakes (South Bend)	5.2 W;hwy N,S	765	22 S3	80 oct.
Culver (NC)	2 E;lake W	815	26	
Elkhart	2.7 NNW;RR S	752	27 S6	73,80 oct.Hedge N.
Gordon (New Carlisle)	2.8 ESE;hwy N	730	13 S1	Fuel avail.Poles E.
Goshen	4.5 SSE;riv SW	823	39 R1 L3 S6	80,91 oct.
La Porte City	2.5 SSW;RR W	801	29 L3 S6	80 oct.Pole line E.
Logansport	4.4 SSW;hwy E	605	27 S1	80 oct,Port rnwy lgts.Poles E,N
McComb (Decatur)	0.9 NW;hwy E	800	20 S4	80 oct.Poles S.
Manchester (No. Manchester)	1.5 W;RR E	752	21	Poles S.
Michigan City	4 E;RR N	650	24 S1	80,91 oct.Pole line E,W,S.
Million (Logansport)	7 SW;riv 2 N	594	15	Pole S.
Monticello (Chalmers)	3 ENE,RR,hwy W	650	26 S2	80 oct.
Peru	3.5 WSW;riv E	740	38 S5	80 oct.
Plymouth	1.5 NW;RR E	898	32 S4	80,91 oct.Poles W,E.
Rochester	1.5 E;RR N	779	18 S4	73 oct.Lake S.Poles N.
Smith (Fort Wayne)	4.5 N;RR E	831	35h L4 S5	80 oct.No storage.
Sportsman (Mishawaka)	3.7 NE;riv S	760	18 S4	73 oct.No storage.Poles E,S.
Starke Co. (Knox)	1.7 S		26 S3	80 oct.Pole lines sur fld.No storage.Data not verified.
→ Triangle Air Service (Wellsboro)	2 NNE;hwy S	800	23 S2	80 oct.Poles E.
Tri State (Angola)	4.2 W;lake W	900	30 S4	73 oct.
Victory (Warsaw)	4 N; RR E	790	24 S2	Ltd 73 oct.Obsts sur fld.
Whittenberger (Wabash)	1.5 NNW;hwy E	770	20 S2	80 oct.
Myers (Ft. Wayne)	4 SE		24 S2	80,91 oct. Pwr lines NE.Data
La Fontaine	5 NE;hwys N,W		19 S4	80 oct.Data unverified. unver.
Bluffton	0.2 S		31	Unverified.
Mederyville	1.1 NW	645	24 S1	80 oct. Data unverified.
Midway (Goshen)	5 NW		36	Unverified.

MICHIGAN

→ Abrams (Grand Ledge)	1 NE	844	26 S2	80 oct.Pwr line S,W.Data unver.
Adrian City	3 SW;RR N	800	25 S6	80,91 oct. Obsts sur fld.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

MICHIGAN

AIRPORT—CITY NAME	LOCATION	EL.	CLASS	REMARKS
Allegan	1.9 E;RR S	701	21 S4	80 oct.Pole line N,E,S,Blocked.
(P) Alma	1.3 NE;riv SE	750	32 S6	80 oct.Poles W.
Austin Lake (Kalamazoo)	8.5 SSE;lake N	860	27 S4	80,91 oct.Poles N
Barry (Saginaw)	3 WSW;riv S	599	19 S4	80 oct.
Belding	2.1 W;RR E	790	27 S4	73 oct.Poles S.
Breedsville Airpark	0.6 WNW;RR E	654	23 S4	73 oct.No Sto.Pole line NE,S,SW.
Brooks (Marshall)	1.3 S;riv N	950	26 L3 S6	80 oct.Trees W,lgtd.
CAPITAL CITY (LANSING)	3.8 NW;RR S	857	42h R1 L4 S6	73,80 oct.
Cass Co. Mem. (Dowagiac)	1 NW;RR SE	760	27 S2	73,80 oct.Pole line E.
City (South Haven)	4 S;RR W	640	30 S4	73 oct.Trees W.
Elsie	0.3 SSE;RR NNE	730	19 SL	80 oct.Pole lines sur fld.
Fitch H. Beach (Charlotte)	1.8 ENE;RR NW	880	25 S6	73 oct.No storage.
Haines (Three Rivers)	2.3 NE;riv SE	820	26 S1	80 oct.Poles N,S.
Hastings	3.2 WNW;RR SW	802	34 S3	80 oct.Pole line N.
Hillsdale	1.6 NW;RR E	1160	19 S4	73,80 oct. No sto.Poles NE,E.
Ionia	3 S;hwy W	810	24 S6	73 oct.Poles NW.
→ Jack Barstow (Midland)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE.
Jewett (Mason)	1.3 SE;RR W	920	22 S2	73 oct.Poles W.
Johnsons (Ithaca)	1 ENE;RR S	750	17 S2	80 oct.Ltd storage.
KELLOGG (BATTLE CREEK)	3 WSW;RR bed W	936	62h R1 L5 S6	80,91 oct.Fld lgts prior req
KENT COUNTY (GRAND RAPIDS)	3.5 S;RR NE	681	44h R1 L3 S6	73,80,91 oct.Pole line NW.SE. Radio repairs.
Kirsch (Sturgis)	1 NW;RR E	922	24 S4	80 oct.Poles S.
Lakeview	1.1 NNE;lake S	900	19 S6	80 oct. Poles N.
→ Leach Aero Service(Hartford)	1 NNW;RR E	664	29	
(P) Legg (Coldwater)	1.3 NW	982	32 S2	80 oct.Trees E.
(P) Lindbergh (Kalamazoo)	4 SSE;RR E	872	40h S6	80,91 oct.Poles S.
Marks (Lawton)	1 N;RR S	770	25 S4	73,80 oct.Poles W,ENE.
Montcalm Co. (Greenville)	2.5 S;RR E	800	22 S1	80 oct.
Mt. Pleasant	2.2 NE;RR W	755	36 S4	80 oct.
(P) MUSKEGON COUNTY	3.5 S;lake N	627	40h R1 L3 S6	73,80,91 oct.
Newaygo	0.8 SSE;RR NNW	785	20 S1	80 oct.
Niles	1.5 NE;RR NW	740	24 S2	73,80 oct.Trees N,S.
Northside (Muskegon)	5.4 NNE	590	29 S4	73 oct.No sto.Refinery SW.
Park Township (Holland)	3 WNW;bay S	612	27 L4 S6	73,80 oct.No beacon.Lgts prior req.
(P) Reynolds (Jackson)	2.5 WNW;RR S	990	40h R1 L5 S4	80,91 oct.No sto.Pole line SE,SW.
St.Joseph Co.(Centerville)	5 SE;RR,hwy N	830	15	Pole line N,trees W. (NC)
→ Shiawassee Co. (Owosso)	2 E;riv S;RR W	740	24 S2	80 oct.Poles sur fld.
Sparta	2.7 SE;RR W	752	25 S4	73,80 oct. Poles N.
→ TRI-CITY (Saginaw)	10 NW;RR SW	660	57h	SERV AND L6 LGTS FOR PCA ONLY
Twin City-Ross (Benton Harbor)	1.5 NNE;RR S	640	38h S6	73,80 oct.
White Cloud (NC)	0.5 N	872	18	Twr SE;poles E,W.
Oceana (Rothbury)	1 W lakes NE		30 S2	80 oct. Data not verified.
Mecosta Co.,5,GR-TG	1.5 NW;RR E	928	39 L3 S4	80;91 oct. (Big Rapids)
Saugatuck-Douglas(Douglas)	2 S;hwy W.		26 S1	73 oct. Data unverified.
Miller (Eaton Rapids)	1 ENE;RR W	908	21 S6	73 oct.No sto.
Avia.Country Club(Galesburg)	2.5 W		19 S4	80 oct. Data unverified.

OHIO

* Archbold Int,18,CG-LG	3.5 NNW;RR N	716	28 R1 L3	
Bryan-Defiance Memorial (Defiance)	5.2 NW;riv E	705	31 S2	73,80 oct.Pole line S,E.
Grieser (Wauseon)	2.5 E;RR N	750	24 S1	80 oct.
(P) Lima	4 WNW;RR N	830	42 S6	80,91 oct.Pole line N.
Paulding County (Paulding)	2.5 NE;RR W	720	26 S2	80 oct. Poles S.Data not verif.
Skinner (Hicksville)	1.6 NNW;RR S	810	26 S1	73 oct.Obst sur fld.
Van Wert	1WSW;hwy S	785	26 S6	80,91 oct. Poles N,S,NW,NE
Wake (Huntington) Ind.	4 N;hwy E	750	30 S2	80 oct.Trees NE.
Stombaugh (Bryan,Ohio)	0.5 S		24 S4	80 oct.No sto.Fence E;wire W. Data unver.

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISHOP (Flint)	278	C	(4)
DETROIT CITY (Detroit)	278	C	(4)
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
DETROIT	201 (D)	K; 329°,2.2	Detroit City Arpt.
FLINT	335 (FN)	MHT	(3)
ROMULUS	230(DT)(116.1)	SBRAZ-VDT	(3);116.1
→ Romulus AAF		(ILS);86°,2.5	TOWER DECOMMISSIONED
→ SAGINAW	212 (SI)	MHT	(4)
SALINE FM	(- - -)	FM, 261°,20	Romulus
SELFRIDGE (Mt.Clemens)(Army)	388 (DLD)	SBMRAZ	(3); 126.18
→ Selfridge Field	396 (126.18)+	CA(ILS);119°,2	(3) only
WIXOM FM	(- - - -)	FM, 344°,20	Romulus
YPSILANTI (Willow Run)	414 (DYP)	MH; 360°,0.5	Oper cont.
Willow Run Airport	332 (118.7)	CI	(4);118.7 (8-24)

OHIO

AKRON	362(AY)(116.1)	BMRAZ-VDT	(3);116.1
Akron Airport	272 (126.18)	C; 45°,0.4	(4);116.1,131.9,126.18
AKRON LFM	(-)	LFM, 45°,4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 325°,8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM, 201°,10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°,13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDTX,100°, 0.7	(3);116.1
ELYRIA FM	(- - -)	FM,280°,10.9	Cleveland
FINDLAY	209 (JF)	MH	(4)(cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4)(cont.)
HOMERVILLE FM	(. . .-)	FM, 31°,83	Columbus
NORTH ROYALTON LFM	(- -)	LFM,145°,10.8	Cleveland
PERRY (int.)	332(PE)(116.1)	MHVT	(4); 116.1
PORT CLINTON	275(PY)(116.1)	MHVT	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-VDT	(3); 116.1
Toledo Airport	263	C; 10°,2.7	(4)
VERMILION FM	(. - - - -)	FM, 280°,26	Cleveland

CANADA

WINDSOR, ONT.	353(QG)	BRAZ-T: 243°,3.3	(4)

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
ROMULUS AAF, MICH.	109.9		50° Mag.	IM (.07)	MM ·····(.98)	OM	--(4.27)
					MMK	OMK	
SELFRIDGE, MICH.	109.5	332.6	184° Mag.	IM (.23)	MM ·····(.81)	OM	--(4.31)
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker, (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE; RR W	1020	26 S6	80 oct. Trees S, SW, SE.
Ann Arbor	4 S; RR E	835	28 L2 S6	80 oct. Trees NE.
Baker's (Port Huron)	3 NNW; RR NNE	585	24 S6	80 oct. Poles N, S, NE.
Berz (Birmingham)	1.5 E; RR SW	700	25 S1	73,80 oct. Pole line N.
Big Beaver	0.8 E; hwy W	650	21 S4	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW; RR NW	781	50h R2 L5 S5	80,91 oct.
Burns (Detroit)	8.5 WSW; RR N	625	19 S6	73 oct.
Caro	3 WSW; RR SE	699	22 S2	80 oct. Poles E.
Center (Armada)	2.3 W; RR S	666	25 S1	80 oct. Pole line NNE.
Croswell City	1 W; RR, riv E	732	25 S2	80 oct. Trees S, E. Rcv req
(N) Detroit NAS (N)	17 SSW	594	47h R1 L5 S6	91,100 oct. ARPT OF ENTRY
DETROIT CITY (Detroit)	5.5 NE; RR S	625	53h R1 L4 S6	73,80,91 oct. Tank W side.
Ford (Detroit)	8.8 SW; RR N	600	37h	PRIVATE.
← Forrest (Postoria)	3.4 S; riv SE	830	24 S1	80 oct. Pole line sur fld.
Hance (Wyandotte)	2.5 W; hwy W	590	33 S6	73 oct. No sto.
Hartsell Air Term.(Wayne)	3.5 NW; RR E	675	18 S6	80 oct. No sto.
→ Howell	0.8 N; lake E	930	20 L1 S1	80 oct.
James Clements (Bay City)	3.5 S; riv S, W	599	36 S4	80 oct.
Nan-Bar (Flat Rock)	0.7 ENE; RR N	590	28 S6	80 oct. Smudge pots prior req. Data unver.

h-hard surfaced runways. R-radio facilities L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

MICHIGAN

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Krist-Port (Farmington)	3.8 N; jct rds	860	27 S6	73,80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE; RR S	830	34 S6	80 oct. No sto. Poles NW; bldg W, SW
McEnnan (Ypsilanti)	2.7 SSW; rd E, S	738	23 S4	80 oct.
McKinley (Fraser)	1.3 NW; RR E	620	27	Pole line E, NE.
Mettetal (Plymouth)	1.5 SSE; RR E	700	23 S6	73,80 oct. Poles N, W.
Milan	3.8 SW; RR SE	705	23 S2	73 oct. Pole line N.
(N) Monroe OLF (Newport)	3.5 SSE; hwy SE	590	29 S4	73 oct. No sto.
Nat'l Fly. Serv.(Detroit)	11.5 WSW; RR N	635	30 S4	73 oct. No sto. Poles NE, NW.
(N) Newport OLF (N)	3 W	608	20h	
Pontiac	6.4 WNW; RR NE	970	21h L4 S6	80,91 oct. Poles S.
(A) Romulus AAF (A)	3 E; RR N	630	61h R3	No twr. C-L-O-S-E-D. ARPT OF ENTRY.
Saginaw	4.5 E; RR N	601	33 R1 L4 S4	80,91 oct. Poles S, SE, SW
St. Clair Co.(Port Huron)	5.5 SW; hwy S	650	23 L1 S5	80 oct. Poles NE, SE, SW, NW.
Seeley's (Davison)	4 WSW; RR N	780	20 S6	80 oct. No sto. Poles N.
(A) Selfridge (Mt. Clemens)(A)	3 E; lake NE	583	60h R3 L5 S6	73,100 oct. JP-1. Poles E. FOREIGN CLEARING STATION.
Stinson (Wayne)	1.4 SW; RR E	660	25h S1	80 oct. Hi-line N, NE.
Tecumseh	1.8 NNE; RR W	815	26 S6	73 oct. Pole line S.
Thomas B.Joy (Detroit)	13 NE; hwy E	616	24 S6	73,80 oct. No sto. Trees SW.
Triangle (Plymouth)	1.5 ESE; hwy S	700	26 S4	80 oct. 30' poles N.
Warren	1.6 WNW; RR E	625	23 S1	73 oct. Pole line N.
West's (Clio)	4 SW; RR E	690	21 S1	73 oct. Pole line E, NE.
Willow Run (Ypsilanti).	4 E; RR N; riv S	710	74h R2 L5 S1	90,100 oct. Rdo rec req.
Wings (Utica)	2.5 SW; RR E	630	26 S6	73,80 oct. Poles N; stumps NW No sto.
Roseville	0.5 S; hwy W	610	29 S6	73,80 oct. Poles S, SW.

OHIO

(P) AKRON	3.4 SE; RR W	1043	44h R2 L5 S4	80,100 oct. No sto. ARPT OF ENTRY.
Ashland	1.8 N	1079	23 S2	73,80 oct. Pole line W.
Bricker (Bowling Green)	1 NE; RR W	675	30 S4	80 oct.
Coons (Nevada)	0.3 NE; RR S		21 S2	80 oct. Data not verified.
Penwick (Kellys Island)	1.3 NE	600	18	(NC)
Findlay	1.5 SSW; hwy NW	800	27 R1 L5 S4	80 oct.
Franklin (Toledo)	4.5 WNW; RR S	630	32 S4	80 oct. Pole line all sides.
Gage (Mansfield)	4.5 W; RR SE	1360	13 S2	73 oct.
Galion	1.5 WNW; RR SE	1155	18 S2	80 oct.
* Hayesville Int.27,LV-CV	2.5 WNW; hwy S	1300	30 R1 L3	
Hinde (Sandusky)	2.8 E; RR S	574	30 S6	73 oct. Poleline S. ARPT OF ENTRY
Kent State	2.8 W; RR S	1120	36 S4	80 oct. No sto. Pole line N.
Ling (Barberton)	3 WSW; RR N	1150	30 S6	80 oct. Obsts sur fld.
McKinley (Canton)	2.3 NE; hwy SE	1100	32 S4	80 oct. Poles N, S, E.
Mansfield (old)	3.8 N; RR E	1300	26h L S6	73,80 oct. Pole line SW, W.
Martin (Canton)	4 NNE; hwy SE	1080	30 L S6	80 oct. Pole line sur fld.
Medina Prichard (Medina)	3 WNW; RR NW, SE	1060	29 S6	80 oct. No sto. Poles S. Rnwys unver.
Miller (North Benton)	1.5 W; RR SE	1070	28 S4	73 oct. Poles S.
National Aviation(Toledo)	4.1 NNE; RR E	595	38 S6	91 oct. Pole line S, W, NNE.
Noble (Massillon)	4.5 NNE; hwy W	1080	22 S6	80 oct. No sto. Pole SSW.
Norwalk	0.8 NE; RR W	700	18 S2	73 oct. Pole line W.
" Airpark (NC)	2 NNE; RR W	690	29 S2	73,80,91 oct. Poles W, SW.
Parks Airpark (Norwalk)	4.5 S; hwy E, W	880	29 S1	80 oct. Poles E.
Peninsula (Port Clinton)	3.5 E; RR S	587	36 R1 L3	
* Perry Int.4B,CV-A?	2.3 NE; RR S	692	26 R1 L3	Poles E.
Port Bucyrus (Bucyrus)	2 S; RR NW, E	1000	26 S6	80 oct. Poles E. ARPT OF
Put-In-Bay	1.2 SSW	590	16	Poleline NW. PRIVATE. ENTRY.
Slager (Fremont)	2 NW; RR SW	630	19 S6	73,80 oct. No sto. Poleline
Snyder (Postoria)	1 E; reservoir SSW		32 S1	80 oct. Data unver. N.E.SE.
Taylorcraft (Alliance)	2.5 NNE; RR SE	1170	22h S5	80 oct. No sto. Poles sur fld.
Tiffin	1.9 N; RR W	750	26 S4	80 oct. Poles E.
TOLEDO	8.2 SSE; RR W	621	42h R2 L5 S4	73,83,91 oct.
Wellington	Adj NW; RR W	850	20 S2	80 oct. Stacks NE. Data unver.
Westfield (LeRoy)	1.2 SSE; RR E, S	1030	25 S4	80 oct. Pole line W. Rnwy data unver.
Willard	1.6 SSW; RR NE	960	22 S2	80 oct. Poles W.
(P) Wooster	3 NNE; hwy SE	1150	32 S6	80 oct. Poles S, SE.
Mansfield, mun (new)	5 N	1300	36h S1	73,80,91 oct.
Washtenaw (Ann Harbor)(NC)	5 W		26 S2	80 oct. Hi-line S. Data unver
Gridley (Ypsilanti, Mich.)	4.4 WSW; RR NW	840	24 S5	80 oct. Pole E; woods N.
→ Dalton (Flushing, Mich)	2 ESE; riv W		26 S4	80 oct. Data Unver.
→ Skyhaven (Saginaw, Mich)	2 NNW, riv E	600	29 S2	80 oct. Trees NE.

38 DETROIT

Ⓡ : EXTREMELY HAZARDOUS

Ⓞ : USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

SAULT STE. MARIE 15

JAMES CLEMENTS

SKY HAVEN

SAGINAW

SAGINAW 212

CARO

CROSWELL CITY

MICH. 3 D.A.

On request FLINT 335

FORREST

WEST'S

BISHOP 278

DALTON

LAPEER

SEELY'S

BAKERS

ST. CLAIR CO. MUN.

ALLEN'S CENTER

SELFRIDGE AAF 388

OXFORD

PONTIAC

SELFRIDGE AAF 396 (126.18)

HOWELL

WIXOM 20

ROMULUS 230 (116.1)

WASHTENAW

ANN ARBOR

GRIDLEY

McENNAN

SALINE 20

MITCHELL BAY

WILLOW RUN 332 (118.7)

MILAN

WILLOW RUN 414

TECUMSEH

NEWPORT OLF

DETROIT CLEVELAND MONROE OLF

NAS. DETROIT 269 (142.74)

MONROE

MICH. NATIONAL AVIATION OHIO

FRANKLIN

On request PORT CLINTON 275 (116.1)

OHIO 6 D.A.

PUT-IN-BAY

PENINSULA

TOLEDO 263

TOLEDO 239 (116.1)

OAK HARBOR

BOWLING GREEN

BRICKER

SLAGER

SNYDER

TIFFIN

HINDE

NORWALK

PARKS

FINDLAY

FINDLAY 209

WILLARD

MANSFIELD

MANSFIELD MUN.

ASHLAND

PORT BUCYRUS

GALION

GAGE

DAYTON 245

COLUMBUS 71

COLUMBUS 391

HAYESVILLE

HAYESVILLE 329

TO NEWARK

TO PITTSBURGH

TO WELLSBURG

TO LANSING

TO MIDDLEBURY

TO MOSCOW

TO ARCHBOLD

TO FORT WAYNE

TO TROY

TO ERIE

TO YOUNGSTOWN

BUFFALO 39

CLEAR CREEK 248

ERIE 371

DETROIT AREA

WIXOM 20

BIG BEAVER

McKINLEY

BERZ

KRIST-PORT

WARREN

THOMAS B. JOY

ROSEVILLE

DETROIT CITY 278

DETROIT 201

METTETAL

BURNS

TRIANGLE

NATIONAL FLY. SVC.

HARTSELL AIR TERM

FORD

STINSON

HANCE

ROMULUS 230 (116.1)

ROMULUS AAF

SCALE OF MILES

WINDSOR 353

On request PERRY 332 (116.1)

FOR DETAILS IN CLEVELAND AREA SEE CHART 139

CLEVELAND 344 (116.1)

AKRON 362 (116.1)

AKRON 272 (126.18)

KENT STATE

PERRY

BRECKSVILLE

AVON LAKE

VERMILION

ELYRIA

NORTH ROYALTON

PARKMAN

HOMERVILLE

MEDINA-PRICHARD

LING

WESTFIELD

WOOSTER

NOBLE

McKINLEY

MARTIN

MILLER

TAYLOR CRAFT

CLEVELAND

PITTSBURGH

GREEN 1

GREEN 2

GREEN 3

RED 1

RED 12

RED 17

RED 20

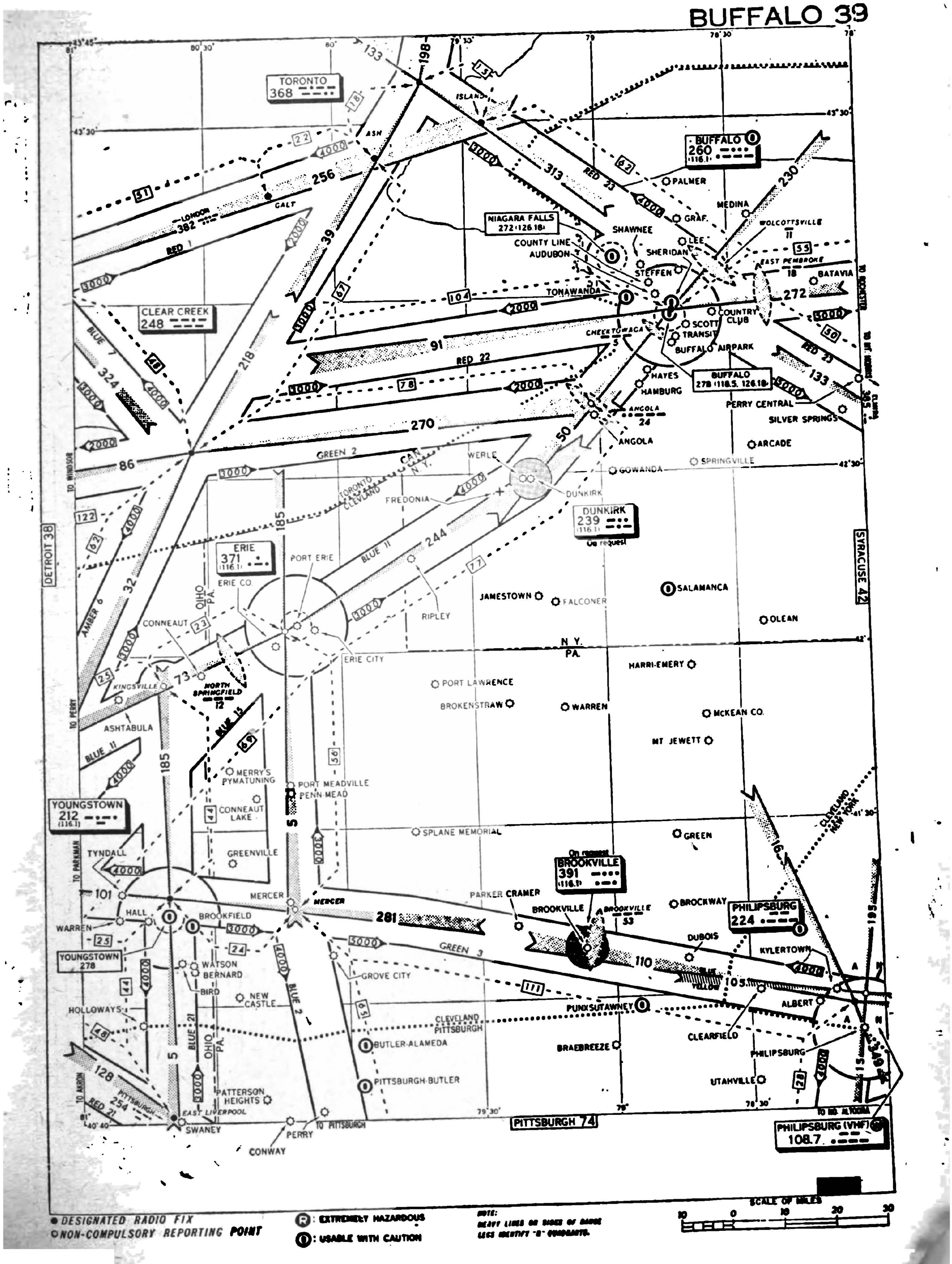
RED 27

AMBER 6

BLUE 11

BLUE 15

BUFFALO 39



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ : EXTREMELY HAZARDOUS
Ⓘ : USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF AIRWAYS LEGS IDENTIFY "R" QUADRANTS.

SCALE OF MILES
10 0 10 20 30

RADIO — NEW YORK

LOCATION	FREQ. IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANGOLA FM	(. . - - -)	FM, 230°, 24	Buffalo
BUFFALO	260(BJ)(116.1)	SBRAZ-VDT	(3); 116.1
Buffalo Airport	278 (126.18) (118.5)	AC;230°,0.9	(4);118.5,126.18,131.9
CHEEKTOWAGA LFM	(- - -)	LFM,230°,4.7	Buffalo
DUNKIRK	239(DK)(116.1)	MHVT	(4); 116.1
EAST PEMBROKE FM	(- -)	FM, 92°, 17.5	Buffalo
NIAGARA FALLS AIRPORT	272 (126.18)	CI	(4);126.18 (8-20)
WOLCOTTSVILLE FM	(-)	FM, 50°, 11	Buffalo

OHIO

YOUNGSTOWN	212(CT)(116.1)	BMRLZ-VDT	(4);116.1
Youngstown Airport	278	CI; 185°,3.5	(4); (630-2030)

PENNSYLVANIA

BROOKVILLE FM	(- - -)	FM, 230°, 53	Philipsburg
BROOKVILLE (Int.)	391(ER)(116.1)	MHV	(4);116.1
ERIE (Port Erie)	371(ER)(116.1)	SBMRAZ-VDT,64°,2	(4); 116.1
NORTH SPRINGFIELD FM	(- - -)	FM, 253°, 12	Erie
PHILIPSBURG	224 (NJ)	SBRAZ-DT,169°,5	(4)
PHILIPSBURG	108.7 (NJ)	VARW	

CANADA

CLEAR CREEK, ONT.	248 (GD)	SBRAZ-T	(4)
TORONTO, ONT.	368 (YZ)	SBRAZ-TX	3105,6210,3117.5

S-Simul. Range and Voice; W- Without Voice, Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army ACS transmits on and guards 116 1, 137 88, 140 58 mcs

AIRPORTS — NEW YORK

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Angola	1.4 N;RR SE	610	15 S1	80 oct.
Arcade	2 N;RR E,W	1740	22 S4	Ltd 80 oct.No storage.
Audubon (Getzville)	1.7 SSW;RR N,SW	580	19 S6	80 oct.
(P) Batavia	2.4 NNE;rd W	910	30 S6	80 oct.Pole line W.Trees E.
Buffalo Arpk (Gardenville)	1.5 ENE;rd S	680	27 S6	80 oct.
(N) BUFFALO	6.1 ENE;RR NE	712	56h R2 L6 S6	80-100 oct.ARPT. OF ENTRY.
Country Club (Clarence)	2.3 SSE;RR S	800	36 L S6	80 oct.Trees SW.
County Line (No.Tonawanda)	3.4 E;RR SW	577	21 S4	80 oct.
(P) Dunkirk	3 E;RR N,S	692	40h R1 L5 S2	80 oct.
Erie Co.Aero Park (Hamburg)	3.5 WSW;RR E,W	750	18	Pole line S.UNUSABLE.(NC)
Falconer	1.3 NNE;RR S	1250	22 S4	80 oct.Obsts sur fld.
Fredonia	3.5 W;RR SE		27 S2	80 oct.Pole line N,NE,E.
Gowanda	1.4 NNW;crk W	760	22 S6	80 oct.No storage.
Graf (Lockport)	2.8 N;RR S	380	15 S6	80 oct.
Hamburg Airpark Inc.	2 NNW;RR,hwy W	722	23 S2	80 oct.Pole line NE.
Hayes (Blasdell)	0.7 SSE;RR E,W	723	20 S4	80 oct.No storage.
Jamestown	4.1 N;hwy E	1719	27h S6	80 oct.Trees S.
Lee (Lockport)	1.8 SSE;hwy N	640	18h S2	80 oct.Pole line N.
Medina	2 W;RR S	500	21 S1	80 oct.Obsts sur fld.
(P) Niagara Falls	4 E;RR N	587	55h R1 L5 S4	80-100 oct.JP-1.No sto.
Olean	1.8 SE;RR N	1440	22 S6	80 oct.Trees W,N;hill S.
Palmer (Olcott)	1.2 SSW;RR S	315	17 S2	73 oct.Pole line E.
Perry Central	1.7 NNW;lk SSW	1400	23 S1	80 oct.Pole line,trees N.E.
Perry Fly.Service (Perry)	3.3 W;RR W	1640	21	Pole lines NNE. (NC)
Ripley	1.4 WNW;lake N	650	22 S4	80 oct.No storage.
Salamanca	1.6 W;RR N,S	1370	12 S6	80 oct.
Scott (Lancaster)	1.5 E;RR N,S	680	22 S1	80 oct.Pole line SW.Rnwy data
Shawnee Flying Service (North Tonawanda)	4.5 NNE;riv SE	580	33 S6	80 oct.Pole line E,W, unverifie
Sheridan (Williamsville)	2.5 NE;hwy SE	640	38 S6	80 oct.No storage.
Silver Creek (NC)	1 WSW;hwy SE	720	11	Trees E. NW.
Silver Springs	0.5 E;lake NE	1420	15 S1	80 oct.
	7-3 NW	570	103 S6	80 oct. Ramp; all face.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted.
→ NEW OR REVISED DATA

NEW YORK

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Springville	1.5 NE;RR W	1395	26 S4	80 oct.Pole line N,E.Rnwy info
Steffen (East Amherst)	3.5 N	582	22 S6	80 oct.Obsts sur fld. unver.
Tonawanda	3 SSW;RR E	610	30h S4	80 oct.Rough.Obsts sur fld.
Transit (Depew)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Werle (Dunkirk)	1.8 ENE;RR N,S	640	22 S1	80 oct.Poles,trees sur fld.
Westfield(NC)	1.5 WSW;hwy N	758	18 L1	S blocked.

OHIO

Ashtabula	3.1 W;lake N	621	17 S2	80 oct.
Barnard (Youngstown)	3.4 E;lake NE	1140	28 S6	73,80 oct.Pole line N,S,W.
Bird (Youngstown)	2.6 NE; RR W	1000	22 S4	80,91 oct.Pole line W,N.
Brookfield	0.8 W;RR W	1130	20	Poles N,E.
Conneaut	2 ESE;hwy S	670	18 S1	80 oct.
Hall (Warren)	3.5 ENE;RR NW	900	26 S2	73,80 oct.Poles E.
Holloways (Greenford)	1 ENE;RR W	1250	15 S1	80 oct.Wires E.
Sky Harbor (Williamsfield)	1 S;hwy E	1140	26	Poles E. (NC).
Sweney (East Liverpool)	4.9 NW;crk SE	1170	22 S2	80 oct.
Tyndall (Warren)	6 NNW;RR E	940	30 L1 S4	80 oct.No storage.
Warren Airways	2.3 WNW;RR S,E	900	22 S2	73 oct.Trees S.
Watson (Youngstown)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
YOUNGSTOWN	11 N;hwy E	1178	39h R2 L5 S6	73,80,91 oct.

PENNSYLVANIA

→ Albert (Philipsburg)	5.5 NNW;rd N	1750	38 S5	80,91 oct.P-line sur fld.Rnwy
Braebreeze (Marchand)	0.3 N;RR NW	1650	18 S2	80 oct. Trees N,NE. data unver.
Brockway	1.3 NE	1700	18	
Brokenstraw (Youngsville)	2.6 W;RR S	1230	17 S4	73 oct.
★ Brookville Int,45A,CG-LG	2 WSW;RR E	1416	30 R1 L3 S1	80 oct.
Butler-Alameda (Butler)	3.4 WNW	1340	24 S6	80 oct.Pole line E.
Clearfield	1.5 WSW;RR SE	1220	20 S1	80 oct.Pole line NE.
Conneaut Lake	1.7 WSW;hwy SE	1250	18 S2	80,91 oct.Pole line SE end.
Conway	0.7 N	950	24 S4	80 oct.Hill N.Rnwy data unverif.
Dubois	1.7 ESE;RR NE	1575	30 S6	80 oct.
Erie City (Kearsarge)	0.5 W;hwy E	900	29 L S6	80 oct.Port rnwy lgts.Poleline SE
Erie County (Erie)	11.6 SW;hwy N	805	24 S6	80 oct.Poles N,E,S.
Green (Ridgeway)	3 NW;hwy,RR E	1720	21 S2	No fuel.Trees NNW.
Greenville	2.3 W;RR E	1180	17 S2	80 oct.Pole line S.
Grove City	2.1 SSE;RR E	1275	19 S4	80 oct.
Harri-Emery (Bradford)	2.3 WSW;RR E	1490	20 S4	80 oct.
Kylertown	1 WNW	1660	40 S4	80 oct.Trees S,WNW.
McKean County (Bradford)	11 S;RR SW	2140	45h	
Mercer	4.8 NNE;RR W	1300	20 L1 S6	80 oct.
Merry's Pymatuning (Linesville)	1.6 NW;RR E	1200	21 S2	73 oct.Pole line NNE.
Mount Jewett	0.8 ESE;hwy N	2240	19 S4	80 oct.
New Castle	4 WNW;hwy SE	1080	29h S5	80 oct.
Parker Cramer (Clarion)	1ENE;riv N	1480	18 S1	80 oct.
Patterson(Beaver Falls)	1.5 S;RR,riv E	1020	26 S4	80 oct.
Penn-Mead (Meadville)	3 SSW;hwy E	1365	20 S2	73 oct.
Perry (Mars)	5 E;hwy E	1060	16 S6	80 oct.No sto.Pole line E.
→ Philipsburg,Site 51A,CG-LG	7 E;hwy N	1940	30h R1 L3	
Pittsburgh-Butler (Butler)	6.7 SSW;hwy E	1235	49 L1 S6	80 oct.
→ PORT ERIE (Erie)	6 WSW;RR SE	735	46h R1 L6 S6	80,91 oct.
Port Lawrence (Corry)	1.2 S;RR N	1745	23 S2	73 oct.Pwr line NW.
Port Meadville (Meadville)	3.4 W;hwy S	1400	32h L4 S6	80 oct.
Punxsutawney	3 NE;hwy S	1470	22 S2	Ltd 80 oct.Pole line ESE,S.
Splane Memorial (Oil City)	4.1 NNW;hwy E	1490	22h L S4	80,91 oct.Port. rnwy lgts.
Utahville	1N;RR S	1800	22 S2	Ltd 73 oct.
Warren	2 WSW;RR N	1100	23h L S4	80 oct. Port rnwy lgts.

RADIO

NEW YORK

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS. OF OPER., REMARKS
DANSVILLE	212(DA)(116.1)	MHVT	(4); 116.1
ELMIRA (Chemung Co.)	385(EA)(116.1)	SBRAZ-VDT,75°,1.8	(4); 116.1
ROCHESTER	206(RC)(116.1)	BMRLZ-VDT	(4);116.1
Rochester Airport	278	CI;298°,2.2	3105,4495 (8-24)
→ ROME AAF	396 (126.18) +	CA	(4); 126.18 (8-22)
SYRACUSE	350(SR)(116.1)	SBRAZ-VDT	(3);116.1
Syracuse Municipal	278	C ; 173°, 2.2	(4)
TRI-CITIES (Endicott)	278	CI	3105(days)
UTICA	359(UA)(116.1)	BMRLZ-VLT.151°,3.0	(4);116.1
PENNSYLVANIA			
ALLENTOWN (Allentown-Bethlehem)	320(XA)(116.1)	SBMRAZ-VDT,192°,2.7	(4); 116.1
LAKE CAREYFM	(- - - -)	FM, 259°,20.8	Wilkes-Barre
SLATINGTON FM	(- - - -)	FM, 290°, 12	Allentown
SUNBURY	353(SV)(116.1)	MHVT	(4);116.1
SUNBURY	108.3 (SV)	VARW	
WILKES-BARRE (Wilkes-Barre-Wyoming Valley Airport)	272(WI)(116.1)	SBMRAZ-VDT.243°,2.6	(4):116.1
→ WILLIAMSPORT	233(IA)(116.1)	BMRLZ-VDT;281°,7.5	(4);116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT —CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lake Susquehanna(Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Martins Creek, Belvidere	3 SSW;riv SE	340	25 S6	80,91 oct.Pole line N.

NEW YORK

Auburn	3.7 NNW;lake E	525	24 S4	80 oct. Poles,trees sur fld.
Binghamton	7.2 NNE;RR NW	940	18 S2	80 oct.Trees N.
Bonnie Brae (Owasco)(NC)	1.7 SW;RR W	960	17	Cattle on fld.
Brizee (Pittsford)	2 E;RR N	422	25 S4	80 oct.Pole line S,NW.
Canastota	1.3 WSW;RR N	540	22 L1 S1	80 oct.
Carthage	1 E;RR NW	740	20 S1	80 oct.
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1	80 oct.Pole line E.
CHEMUNG CO. (ELMIRA)	6.5 NW;RR S	951	40h R1 L5 S4	80,91,100 oct.
Cicero	0.5 NW;lake SW	416	21 S4	80 oct.
Colgate Univ. (Hamilton)	5.4 N;RR W	1178	25 S6	80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct.Pole line W.
Community (Whitesville)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S.
Cortland	1.8 WSW	1144	30 S6	80 oct.Wooded ridge E.
Costa's (Painted Post)	2.7N NW;RR	960	16 S1	80 oct.Trees W,NW.
Crowner (Wellsville)	1 W;RR E	1566	22 S2	80 oct.Obsts sur fld.
(P) Dansville	1 NW;RR NE	662	40h R1 L3 S6	80 oct.Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1	80 oct.Trees S,W.
Fulton	2.6 NNE;rd W	469	40h L2 S4	80 oct.No sto.Lgts prior req.
Fulton Airpark	0.5 W;riv E	360	18 S6	80 oct.12' brush WNW.
Hancock (NC)	1.5 SSE;RR E	905	17	Hills SSE,NNW.
Hilton	2.6 WSW;RR N	325	16 S1	80 oct.3' fence E,S,SE.
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4	80 oct.Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S;RRs N,S,W	525	27 S6	80 oct.Trees E.
Ithaca	1.3 NW;inlet E	386	25h S6	80,91 oct.No storage.
Keyes-Oneonta (Oneonta)	1.5 W	1000	27 S4	80 oct.Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1	80 oct.Pole line E.
Ladd's (Mexico)	0.6 W;RR N	383	20 S1	Ltd 73 oct.Pole line NE.
Martin(Montour Falls)	1 NE;RR W,E	460	13 S4	80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1	80 oct.Pole line S.
Meacham-Genesee (Rochester)	6 S;RR N	564	22 L S6	80 oct.Floodlgts in emerg.
Mercury (Hammondsport)	1 WSW;RR N	750	15 S2	80 oct.Hill W.
Elmira	2 SSW;RR E	890	16	Trees adj NE,S.
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14	Trees WSW.

n-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) (NC)-Not charted. → NEW OR REVISED DATA

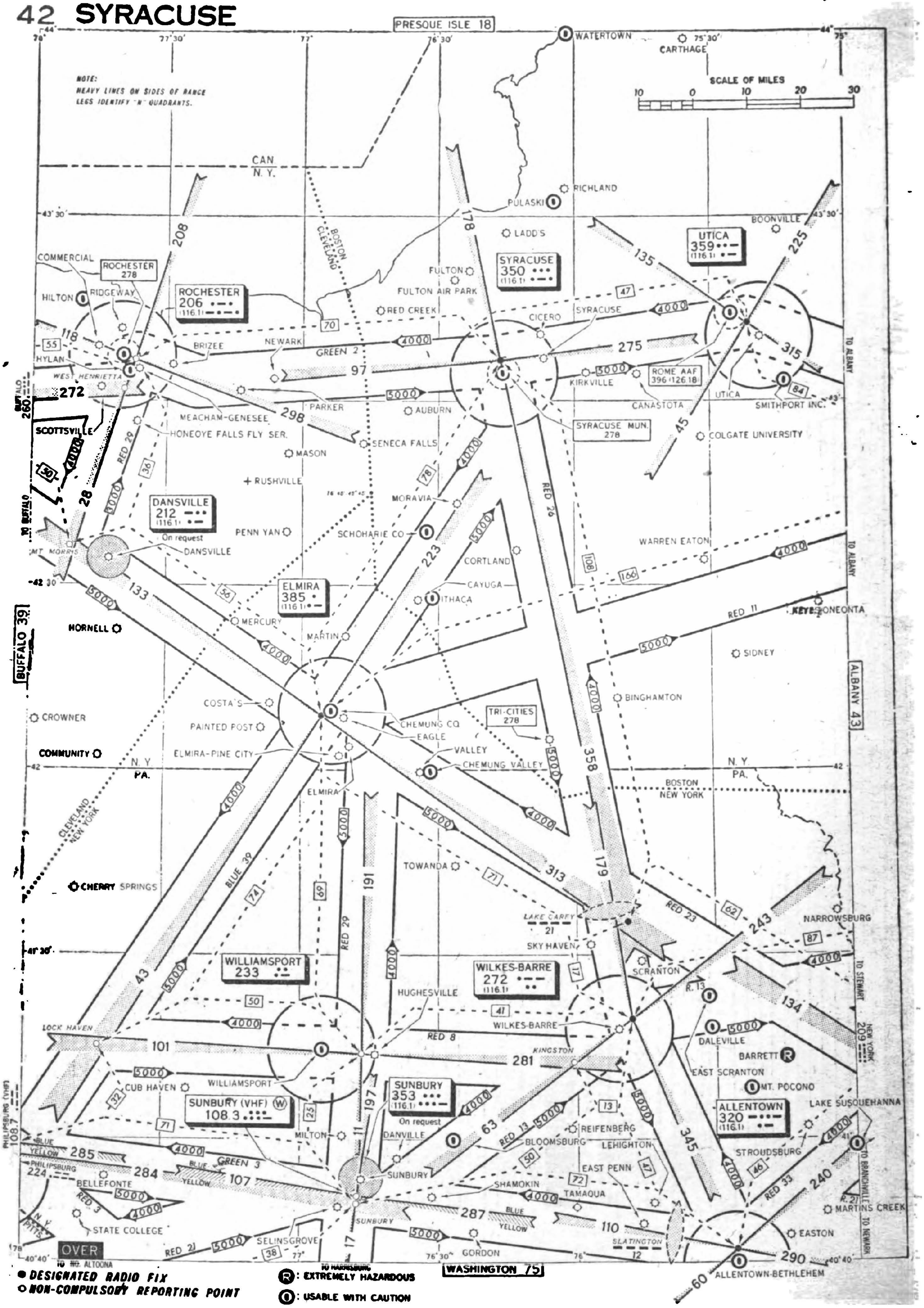
NEW YORK

AIRPORT —CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E.
Moravia Air Haven	1 NW;RR E	730	20 S1	80 oct.S apprch blocked.
Narrowsburg	0.6 NNE;RR E	700	18 S4	80 oct.Mts N,NE.
★ Newark Int,27A,CV-AZ	1.3 NNW;rd N,E	490	19 L3	Pole N.
Painted Post	4.4 SW;RR W	950	19 S2	80 oct.Trees E,W.
Parker (Palmyra)	2.8 S;RR N	540	15 S1	80 oct.
Penn Yan	1.1 S;lake W	850	20 S2	80 oct.
Pulaski	3 SE;riv N	500	18 L S4	80 oct,Port rnwy lgts.Trees WSW
Red Creek	0.8 SSE;RR N	755	18 S1	80 oct.
Richland	0.6 NE;RR SW	560	21 S1	80 oct.Hi-line S.
Ridgeway (Rochester)	3.7 W;canal ESE	530	18 S1	80 oct.Pole lines W,NW,SE.
(N) ROCHESTER	3.7 SW;riv S	549	44h R2 L5 S6	80,91 oct.ARPT OF ENTRY
(A) Rome AAF (A)	2.5 NE	473	63h R1 L5 S6	62,73,91,100 oct.JP-1.
Scottsville	1 N;RR W	600	10	Allway area: 1000 x 1000'.
Seneca Falls	2.2 SE	490	28 S2	80 oct.Obsts sur fld.
Sidney	1 WSW;RR SE	1012	24 S4	80 oct.Pole line S.
→ Syracuse	3.5 NNE;hwy W	419	55h	C-L-O-S-E-D.
" MUNICIPAL	5.9 WNW;RR N	396	50h R2 L5 S6	80,91 oct.Rdo rec rqrd
Tri-Cities (Endicott)	3.5 WSW;riv S	840	35h R1 L3 S6	80,91 oct.Wooded ridge W,ESE.
Utica	7.8 NW;hwy S	525	31 R1 L1 S6	80 oct.Twr W;hill N;trees S.
Warren Eaton (Norwich)	2.5 N;riv,RR E	1015	20 S1	80 oct.Wooded ridge E.
(F) Watertown	5.9 WNW;hwy N	325	50h L1 S4	80 oct.Bcn on req.ARPT OF ENTRY.
Schoharie Co.(Richmondville)	1.3 NE; RR N	1000	16 S1	80 oct. Trees E.
→ Smithport Inc.(Utica)	3.5 SSE	1150	20h S1	UC,91 oct. Data unverified
Rushville	2.5 NNE	1120	20 S1	Unverified.

PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	380	40h R1 L5 S6	80,91 oct.Use rnwys only. Fld lgts prior req.
Barrett (Canadensis)	1.8 N;hwy SW	1450	18 S2	No fuel. Trees E.
Bellefonte	4.3 ESE;hwy N	1045	21 L3 S6	80 oct.
Bloomsburg	0.6 ESE;riv S	478	32 L3 S6	80,91 oct.Pole lines SW, E.
Chemung Valley (Athens)	1.8 NNW;riv E	850	38 S4	73 oct.
Cherry Spgs. (Corbett)	2.4 W	2265	18 S1	Ltd 80 oct.Trees W,SE, NW.
Cub Haven (Lock Haven)	1.7 E;RR S	550	25h S1	80 oct. Pwr line E.
Daleville	0.6 N;hwy W	1775	19 S4	80 oct.Hill S.
Danville	2.2 SW;RR N	480	22 S3	80 oct.Hill SE.
Easton	3.5 NNW;RR W	380	22 S6	73-91 oct.Pole line N.
East Penn (Andreas)	1.5 NE;hwy S	860	18 S6	73 oct.
Gordon	1.8 W;RR E	960	18 S2	80 oct. Hill S.
Lehighton	0.9 WSW;hwy NW	502	18 S5	80 oct. Trees WSW.
Mid Valley (Olyphant)(NC)	3 N;rd NE	1385	20	
Milton	0.8 S;RR W	450	24 S6	80 oct.Pole line SW.
Mt.Pocono, 21,BJ-LG	1.5 NW;hwy NE	1925	26h L3 S1	80 oct.Pole line NE.
Mt. View (Nicholson)(NC)	4.8 ENE;crk NW	1280	21	50' trees S.
Reifenberg (Hazleton)	5.8 NW;rd E	1146	21 S4	80 oct.
Scranton	7.2 WNW;hwy N	1150	24h L3 S6	73-91oct. Fld lgts prior req.
Selinsgrove	1.1 N;hwy E	450	25 S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE;RRs W	1100	16 S2	80 oct.
Skyhaven (Tunkhannock)	0.3 S;RR N	639	20 S1	80 oct.Pole line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	19 S4	80 oct.Poles adj W.
Stroudsburg-E. Stroudsburg (Stroudsburg)	2.5 NNE;hwy S	426	22 S4	80 oct.
Suntury	2 NNE	443	37 R1 L1 S6	80 oct. No sto.
★ Temaqua,Int,61B,CQ-LQ	2.2 WNW;hwy W	1260	30 L3	
Towanda	1.5 SSE;RR W	700	25h S1	80 oct.Pole line SW,NE.
Wilkes-Barre-Wyoming Valley	3.5 NNE;riv S	546	35h R1 L3 S4	80,91 oct.
Williamsport	5.1 E;riv S	526	43h R1 L5 S6	80,91 oct. Lgts prior req.
East Scranton (Scranton)	7.3 ESE;lake E	1660	23	Trees S. N.
Hughesville	0.6 S;crk E	570	12 S2	

42 SYRACUSE


PRESQUE ISLE 18
WATERTOWN
CARTHAGE
SCALE OF MILES
10 0 10 20 30
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
CAN
N. Y.
RICHLAND
PULASKI
LADD'S
BOONVILLE
UTICA
359
SYRACUSE
350
ROCHESTER
278
ROCHESTER
206
COMMERCIAL
HILTON
RIDGEWAY
FULTON
FULTON AIR PARK
RED CREEK
CICERO
SYRACUSE
BRIZEE
NEWARK
GREEN 2
HYLAN
WEST HENRIETTA
KIRKVILLE
ROME AAF
396
CANASTOTA
UTICA
SMITHPORT INC.
PARKER
AUBURN
MEACHAM-GENESEE
HONEOYE FALLS FLY SER.
SCOTTSVILLE
SENECA FALLS
SYRACUSE MUN.
278
COLGATE UNIVERSITY
MASON
RUSHVILLE
DANSVILLE
212
On request
DANSVILLE
PENN YAN
MORAVIA
SCHOHARIE CO
WARREN EATON
CORTLAND
CAYUGA
ITHACA
ELMIRA
385
MERCURY
MARTIN
HORNELL
SIDNEY
BINGHAMTON
COSTA'S
PAINTED POST
CROWNER
CHEMUNG CO
EAGLE
VALLEY
CHEMUNG VALLEY
TRI-CITIES
278
COMMUNITY
ELMIRA-PINE CITY
ELMIRA
N. Y.
PA.
BOSTON
NEW YORK
CLEVELAND
NEW YORK
CHERRY SPRINGS
TOWANDA
LAKE CAREY
SKY HAVEN
SCRANTON
NARROWSBURG
WILLIAMSPORT
233
HUGHESVILLE
WILKES-BARRE
272
WILKES-BARRE
LOCK HAVEN
WILLIAMSPORT
CUB HAVEN
SUNBURY (VHF)
108.3
SUNBURY
353
On request
DANVILLE
MILTON
SUNBURY
REIFENBERG
BLOOMSBURG
LEHIGHTON
EAST PENN
SHAMOKIN
TAMAQUA
DALEVILLE
BARRETT
EAST SCRANTON
MT. POCONO
ALLENTOWN
320
LAKE SUSQUEHANNA
STROUDSBURG
PHILIPSBURG
224
BELLEFONTE
STATE COLLEGE
SELINSGROVE
GORDON
SLATINGTON
MARTINS CREEK
EASTON
ALLENTOWN-BETHLEHEM
TO ALBANY
TO ALBANY
ALBANY 43
TO STEWART
TO NEWARK
TO BRANCHVILLE
TO HARRISBURG
TO ALTOONA
OVER
WASHINGTON 75
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION

ALBANY 43

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS

Ⓓ : USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

PRESQUE ISLE 18
TICONDEROGA
BURLINGTON
323
On request
GLENS FALLS
206
(116.1)
BLUE 18
30
FAIR HAVEN
RUTLAND
NORTHFIELD
MONTPELIER
BLUE 4
38
88
TWIN STATE
On request
LEBANON
209
(116.1)
BLUE 40
55
NEWPORT
TO CONCORD
STATUTE MILES
PISECO
PLATEAU
WARREN CO.
SACANDAGA PARK
GLENS FALLS
208
N Y
VT.
HARTNESS
CLAREMONT
BOSTON 46
STEENBURGH
GLOVE CITY
CARPET CITY
VAUGHAN
BALLSTON SPA
SARATOGA SPRINGS
24
EQUINOX
VT.
N H
GREEN 2
LONG MEADOW
SCHUYLERVILLE
HAYDUK
122
SCHENECTADY CO
KEENE
DILLANT-HOPKINS
FORT PLAIN
84
ALBANY
365
(116.1)
BENNINGTON
STONE ARABIA
LAURIESVILLE
27
STEVENS
BRATTLEBORO-HINSDALE
SKY HAVEN
166
BRIGGS
INTERCITY
RED 11
VT N H
MASS
83
COOPERSTOWN
COLONIE
6
TROY
293
FAIR VIEW FARM
ADAMS
64
TURNERS FALLS
ORANGE
GARDNER
118
263
BOSTON
ALBANY
278 (126.18)
VALLEY AIRPK
EAST GREENBUSH
RAVENA
WESTOVER AAF
272
144
72
207
149
PILGRIM
PITTSFIELD
FARLY S
MEDWAY
28
HILLER
LaFLEUR
WESTOVER AAF
396 (126.18)
CATSKILL
GREAT BARRINGTON
BARNES
E BROOKFIELD
BROOKFIELD
SOUTHBRIDGE
METROPOLITAN
HALCOTT
MARGARETVILLE — FLEISCHMANNS
CATSKILL VALLEY
WESTFIELD
230
(116.1)
59
SPRINGFIELD
329
36
W. SPRINGFIELD
KINGSTON-ULSTER
CANAAN
21
KINSLEY
BOWLES
AGAWAM
BRADLEY
SIMSBURY
303
WOODSTOCK
252
34
NEW PALTZ
MILLERTON
KINGSTON
COZINE
AERO LAKE
NEW HACKENSACK
WALLKILL NO 2
BOSTON
NEW YORK
LIVINGSTON MANOR
CLIFF HAVEN
STEPHENSON
WEATOGUE
14
RENTSCHLER
254 (126.18)
STEWART
236
(116.1)
FREEDOM PLAINS
NEWBURGH-WALDEN
MONTGOMERY
158
ARLINGTON
258
WINGDALE
81
HARTFORD
329
(116.1)
WINDHAM
WATERBURY
MONTICELLO
87
WURTSBORO
LIME RIDGE
STORMVILLE
RED 13
MERIDEN
18
59
PROVIDENCE
MONTGOMERY NO
STANTON'S
BROOKFIELD
BETHANY
BRAINARD
278
SALEM
41° 30'
RANDALL'S
WAPPINGERS FALLS
LUFBERY
HUGUENOT
62
MATAMORAS
DANBURY
55
AMBER 7
MERIDEN
278
WATERFORD
DOANE
GROTON TRUMBULL
RED 23
63
MONROE
STEWART AAF
396 (126.18)
SOMERS
BLUE 18
42
BLUE 41
NEW HAVEN
HAMMONASSET
ELIZABETH AAF
WEST HAVEN
SUSSEX
N. J.
N. Y.
CROTON
CHRISTIE
WESTCHESTER
224
NEW YORK
209
NY 3
DA
BRANCHVILLE
WARWICK-WICKHAM
MILLER
338
238
BRIDGEPORT
269 RC
80
248
240
134
WESTCHESTER CO
ALLENTOWN
320
NEW YORK
209
NEWARK
341
PORT CHESTER
24
NEW YORK 79
MITCHELL AAF
227
MATTITUCK
EAST HAMPTON
SUFFOLK CO
72° 40'
72° 30'
OVER

CONNECTICUT

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BRAINARD(Hartford)	278	C	(4), 131.9,126.18
BRIDGEPORT ARPT	269	C	(4), 116.1,131.9
EAST HARTFORD (Rentschler)	254 (126.18)	CI	(3)
HARTFORD (Brainard)	329(HT)(116.1)	SBMRAZ-VDT, 323°,2.3	(3), 116.1
MERIDEN FM	(- - -)	FM, 244°, 17.6	Hartford
MERIDEN ARPT.	278	CI	3105,4495 (days)

MASSACHUSETTS

WESTFIELD (Barnes)	290(W)(116.1)	BMRLZ-VDT,270°, 1.7	(4) :116.1
WESTOVER(Chicopee Falls)(Army)	272 (DO))	BMRAZ	(3) (GCA)
Westover Fld	255 (126.18)+	CA(LS),250°,2.7	(3), 126.18 (Appch cont.)

NEW HAMPSHIRE

LEBANON	306(LP)(116.1)	MHVT	(4), 116.1

NEW YORK

ALBANY	365(AZ)(116.1)	SBRAZ-VDT	(3), 116.1
Albany Arpt.	276 (126.18)	C, 196°, 3	(4),126.18,116.1,140.1, 131.9
AURIESVILLE FM	(- - - -)	FM, 302°,27.2	Albany
COLONIE LFM	(- - -)	LFM, 206°, 5.7	Albany
GLENS FALLS	206(GB)(116.1)	MHVT	(4), 116.1
MEDWAY FM	(. . - - -)	FM, 206°, 27.6	Albany
PORT CHESTER FM	(. . -)	FM, 44°, 24	New York
SARATOGA SPGS. FM	(-)	FM, 28°, 24	Albany
STEWART FIELD	236(SW)(116.1)	BMRL-VDT	(4), 116.1
Stewart Field	306 (126.18)	CA, 125°, 2.5	(3), 126.18 (7-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs.)						
LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Westover, Mass.	109.9	333.8	239° Mag.	MM- (.49)	MM- ·····(.79)	OM- --(3.38)
				MMK-	OMK-	
Westover, Mass.	109.5 ----	332.6	59° Mag.	MM- (.62)	MM- ·····(.72)	OM- --(4.42)
				MMK-	OMK-	
				MM-	OM-	
				MMK-	OMK-	
				MM-	OM-	
				MMK-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS CONNECTICUT

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Bethany	1.3 N,hwy E	680	21 L2 S6	80,91 oct.No bcn.Lgts
Bradley (Windsor Locks)	2.8 WNW,RR, riv E	171	50h S6	Antenna prior req. S. No fuel.
BRAINARD(Hartford)	2.8 SE,RR W	19	48h R2 L5 S6	80,91,100 oct.Dike E,N
(N,P) BRIDGEPORT	3.5 ESE	9	48h R1 L5 S4	80,91 oct.
Brookfield	0.3 S,RR,riv E		10 S6	80 oct.No sto.Data unver
Canaan	1 N,RR W	680	24 S6	80,91 oct.No sto.Pole line SW.
[illegible]	2.5 SW,RR N	454	44h S6	80 oct.P-line WSW,SSE
[illegible]	1.2 SW,RR E,N	30	21 S6	80,91 oct. Trees N, NW.
Groton Trumbull	2.8 SE,RR W	10	50h	(Groton)
Kinsley (Somers)	2.5 NNW,RR W	200	19	
Lufbery (Wallingford)	0.5 WSW,RR E	80	22 S6	80 oct.No sto.Stacks S,
Meriden	2.7 SW,RR E	102	35 R1 L3 S6	80 oct.Hi-line W,S N.
Monroe	0.7 SSE,rd E	620	20 S6	80 oct. Rd. W.
NEW HAVEN	3.5 SSE,riv W	4	42h S6	80,91 oct: ltd 100 oct. Pole line NW.
Rentschler (E.Hartf'd)	1 S,riv W	40	58h R1 L5 S6	80,91,100 oct.
Salem	2.1 E,lk NNE	400	21 S6	80 oct.
Simsbury	2.6 NNE,RR W	170	17 S6	80 oct.Trees SE.
Stephenson (Bristol)	1.5 ESE,RR N	240	18 S6	80, 91 oct.
Waterbury (Plymouth)	2.6 S,RR E,W	843	20 S6	80 oct.
Waterford	1.7 N,RR SSE	60	20 S6	80 oct.Trees,hill S.
West Haven	2.7 SW,hwy E	15	18 S4	80 oct.No sto.P-line E, W blocked.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted). → New or revised data.

CONNECTICUT

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Windham	3.5 NNW,hwy S	238	44h S1	80 oct.Trees NE,ENE.

MASSACHUSETTS

Adams	1.3 SSE,RR W	1400	18 S1	80 oct.
Agawam Land & Seaplane Base	0.5 S,riv E	50	16 S6	80 oct.Pole line SE.
BARNES(Westfield)	3 NNE,RR W	268	50h R1 L5 S6	80,91 oct.
Bowles (Agawam)	2.4 WSW,trk E	190	40 S4	80 oct.Poleline S,SSE.
Brookfield's	1 W,RR SW	680	20 S6	80 oct.P-line SW W,NW.
East Brookfield	0.5 W	650	15 S3	80 oct, Data unver.
Fair View Farm (Williamstown)	4 SW,riv E	954	23 S1	80 oct.Poleline ENE. Hill NNE.Lgt acft only
Gardner	2 SW,hwy N	1020	18 S4	80 oct.
Great Barrington	2 WSW,riv N	726	28 S6	80,91 oct.Obst sur fld.
Hiller (N.Brookfield)	6.5 NNW	600	35 S3	80 oct. Data unver.
La Fleur (Northampton)	1.2 ENE,riv SW, N	120	26 S4	80 oct.No sto.
Metropolitan(Palmer)	5 N,riv W	400	19 S6	80 oct.Hill N.
(P)Orange	1.5 SE,hwy SE	555	50h S1	80 oct.Poles NE.
Pilgrim (Northampton)	9 N	120	16 S3	No sto.Data unver.
Pittsfield,3B,AZ-BW	2.4 WSW,hwy NW	1140	27 L3 S1	80 oct.Poleline N.
Southbridge	1 N	700	26 S4	Data unver.
Springfield	2.3 NE,RR S	205	26 S6	80,91 oct.Bldgs W
Stevens (N.Adams)	2.8 WSW,RR N	690	20 S4	80 oct.No sto.P-line E.
Turners Falls (Montague)	4.2 N	350	33 S6	80,91 oct.Wooded ridge SE,SW.
(A)Westover (Chicopee Falls) (A)	3.8 NNE,riv W	244	70h R3 L6 S6	73,91,100 oct.No sto.
West Springfield	1.5 N,riv E	65	19 S4	Data unver.

NEW HAMPSHIRE

Claremont	1.3 W,riv NE	520	28h S2	80,91 oct.Wooded ridge
Dillant-Hopkins(Keene)	2 S,riv,RR W	481	40h S6	80 oct. NNE
Hinsdale-Brattleboro (Hinsdale)	2.7 NW,RR W	360	18 S4	80 oct.Lndg flares prior req.
Keene Arpk.	3 NW,RR W	500	21 S6	No fuel or sto.100' hill
Lebanon	3.3 WSW,RR N	579	40h R1 L5 S4	80 oct.Rdo repairs SE.
Newport	2 NNW,RR W	780	26 S4	80 oct.Pole line E.

NEW JERSEY

Sussex	1.2 WSW,RR S	420	25 S1	80 oct.200' knoll NNE.

NEW YORK

Accord (NC)	0.7 N,RR S	260	19	PRIV.Trees S,NE,SW.
Aero Lake & Seaplane Base (Kingston)	3.7 SSE,RR W	220	23 S4	80 oct.Trees S.
ALBANY	6.9 NNW,riv N	271	35h R2 L5 S6	80,91,100 oct.ARPT OF
Arlington(Poughkeepsie)	1.5 E,RR E	280	18 S4	80 oct.Pole- ENTRY line NE,trees SW.
(P)Ballston Spa	3 N,RR E	433	40h L5 S6	80,91 oct.
Briggs (Carlisle)	0.6 SE,RR W	1320	12	
Carpet City (Amsterdam)	6 N,rd NW	887	18 S6	80 oct.Use strips only.
Catskill (Cairo)	2 E,hwy S	300	16	Trees sur fld.
Catskill Valley (Catskill)	1.5 SW	100	23 S3	80 oct.Data unver.
Christie (New City)	1.5 N,RR E	150	16 S4	80 oct.Poleline SW.
Cooperstown	1.4 NNW,RR SE	1660	16 L S4	80 oct.Pole S.Port lgts.
Cozine (Rhinebeck)	0.5 SE,RR W	200	20 S1	87 oct.Pole line W.
Cliff Haven (Accord)	11 W,RR S	260	16 S1	80 oct.
East Greenbush	0.8 NW,RR W	260	38 L S6	80 oct.Port rnwy lgts.
(A)Elizabeth (Fisher's Island) (A)	W end Island	7	29h L4	No bcn. P-line N.
Farly's (New Ballimore)	3 S,RR W	10	20 S1	80 oct.Trees N.
* Ft.Plain Int,40A,CV-AZ	3 NNW,RR NE	680	35 L3	
Freedom Plains (Billings)	2 W,rds N,E	340	11 S1	80 oct.Pwr line S.
Glens Falls,18,LG-UL	2.6 NW,rd S	474	36h R1 L3 S6	80 oct.
Glove City(Gloversv l)	1.5 NE,RR S	860	17 S1	80 oct.
Halcott (Halcott Ctr.)	1 N		10 S1	80 oct.Data unver.
Hayduk (Herkimer)	0.6 SSW,RR N	400	12 S4	Ltd 80 oct.Poleline E.
Huguenot(Port Jervis)	3.3 NE,RR SE	480	21 S6	80 oct.Trees SW.
Intercity(Schenectady)	3.6 SSE,RR NE	340	20 S4	80 oct.
Kingston	1.5 NW,RR S	150	17 S4	80 oct.Pole line NW.
Kingston-Ulster	2.7 N,RR E	160	30 S4	80 oct.No sto.P-line E
Lime Ridge (Beekman)	1.3 SE,RR S	420	16 L2 S6	80 oct.All lgts prior req

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Livingston Manor	0.5 SE,RR W		21h S4	80 oct.;91 oct req.Data unver,
Long Meadow (Rexford)	1.5 NE,RR N,W S.	380	17 S1	80 oct.Poles NNE
Margaretville-Fleischmanns (Margaretville)	0.2 S,riv W		21 S4	80,91 oct.No sto.P-line NE.Data unver.
Miller (Nyack)	1.8 WNW,riv E	70	17 S6	80 oct.No sto.P-line SW
Millerton	1.5 N,RR W	1000	13 S1	80 oct.Trees N.
Montgomery	1 WSW,riv W	393	22 S6	80 oct.Trees N,brush E
(A)Montgomery U.S.Mil. Academy #1 (A)	2 SW	355	35h	CLOSED.
Monticello-Sullivan Co.	1.4 N,RR E	1500	24 L S1	80 oct.Port rnwy lgts, Windmill SSE.
Newburgh-Walden (Walden)	2.2 SSW,riv W	404	32 S6	73,80 oct.Obsts sur fld.
(P)New Hackensack	0.5 W	156	35h	Obsts NE.
New Paltz	0.8 W,RR E	190	20 S1	80 oct.
Piseco	0.5 N,hwy SW	1710	19 S2	Ltd 80 oct.Trees,brush
Plateau (Northville)	2.5 E,riv ESE	1040	24 S1	Ltd 73,80 oct. NNE Trees S.
Randall's (Middletown)	1.8 ESE,RR NW	520	20 S2	80 oct.
Ravena	1.2 N,riv 2 E	180	14 S2	80 oct.Lgt acft only.
Rockland (New City)	1 SSE,RR E	240	14	Trees W,hwy E.
Sacandaga Park (Northville)	1 SW,RR W	770	13 S1	80 oct.Pole line WSW.
(P) Schenectady Co.	3 N,RR SE	362	50h L5 S6	80,91,100 oct.
Schuylerville.Land & Seaplane Base	2.5 S,riv E	100	29	Trees N,S.
Selkirk (NC)	2.7 E,riv E	160	22	Trees N.
Sky Haven (Delanson)	0.9 NW,RR SE	1100	14 S2	80 oct,ESE,W blocked.
Somers	0.6 SE,RR E,S	563	20 S4	80 oct.No sto.
Stanton's Newburgh Cub Port (Newburgh)	5.3 NW,RR S	520	12 S2	80 oct.Trees S.
Starhaven(Middletown)	1.3 NW,RR SW	750	29	Trees SW,SE,NW,RR N
Steenburgh Avia.Svc. (Gloversville)	1.5 ENE,RR N	900	8 S1	80 oct.
(A)Stewart(Newburgh)(A)	4 W,hwy N	463	61h R2 L5 S6	100 oct
Stone Arabia(Ft.Plains)	3.6 ENE,hwy E	880	18	Pole line NNW.
Stormville	1 ENE,RR S	350	23 S4	80 oct.No sto.Trees NE
* Ticonderoga Int,22, LG-UL	2.7 NNE,rd E	210	32 L3	Obsts sur fld.
Troy	2 SSE,riv W	327	30 L4 S6	73,91 oct.Trees NW.
Valley Air Park (Middleburg)	1.5 NNW	635	16	Data unver.
Vaughan(Johnstown)	1 E,hwy W	760	18 S1	Ltd 80 oct.Trees W.
(A)Wallkill,U.S.Mil.Acad. #2 (A)	3 NW,riv E	340	35h	CLOSED.
Wappingers Falls	0.9 SE,rd S	152	21 S4	80 oct.P-line E,W,S.
WARREN CO.(Glens Falls)	2.4 NNE,rd N	325	40h	
Warwick-Wickham	4.5 NE,RR W	540	24 S4	80 oct. Ridge N.
Westchester(Armonk)	0.5 SSE,riv E	380	23 S6	80,91 oct.Trees sur fld
(P)Westchester Co.(White Plains)	4 NE,lake W	435	50h L5 S6	80,91 oct days:100 oct. lgts prior req. FEE.
White (Bedford)(NC)	3.6 SE,hwy E	475	12	
Wingdale	1.5 NE,RR W	400	25 S4	80 oct.No sto.ROUGH.
Wurtsboro	2 NE,RR E,SE	560	31 S6	80 oct.Obsts sur fld.

PENNSYLVANIA

Matamoras	0.5 SSE,riv SE	450	18h L4 S6	80 oct.No bcn.Lgts prior req

VERMONT

Bennington	2.5 WNW	830	13 S1	80 oct.470' hill WNW.
Equinox(Manchester)	1 E,riv E,N	700	18 S6	80 oct.Poleline,mtn E.
Fair Haven	1.5 N	370	20 S2	80 oct.Hills sur fld.
Hartness (Springfield)	3.8 NNW,riv E	570	20 S6	80 oct.
Rutland	5.8 SSE,hwy W	784	40h L3 S4	80 oct.No sto.All lgts
Twin State (White River Junction)	1 SW,riv,RR E	540	19h S6	80 oct.Hill NW prior req

Hammonasset(Madison Conn)	2 E, hwy N	15	12 S1	80 oct. Trees W
Croton Air Park (Peekskill,N.Y.)	4.8 SW;riv SW	280	13	Hill SW.
East Hampton(N.Y.)	2.5 W;RR S	40	25 S4	80 oct. No sto.
Mattituck (N.Y.)	0.8 ESE;bay S	12	25 S6	80,91 oct Poles N.
Suffolk Co.(West-hampton Beach,N.Y.)	2.6 N	69	50h	

RADIO

MAINE

LOCATION	FREQS. IDENT.	STA. CLASS, BEAR. & DIST.	FREQ.,GUARD HRS. OF OPER.REMARKS
BRUNSWICK NAS	382 (NSM)	SRAZ; 84°,4	(3)
PORTLAND	206(PW)(116.1)	BMRLZ-VDT,149°, 2.2	(4), 116.1
YARMOUTH FM(Navy)	(- - -)	FM,264°,11.4	Brunswick NAS

MASSACHUSETTS

BEDFORD (Navy)	522 (DBH)	MH	Oper cont.
Bedford AAF	212 (126.18)	CA	(3), 126.18
BOSTON (Logan)	263(BW)(116.1)	SBRAZ-VDT,238°, 2.2	(3), 116.1
BRANT ROCK FM(Navy)	(- -)	FM, 141°, 20.2	Squantum NAS
EASTON FM (Navy)	(- - -)	FM, 218°, 17.7	Squantum NAS
EVERETT LFM	(- - - -)	LFM, 298°, 4.2	Boston
FRANKLIN FM	(. . . . -)	FM, 238°, 28.7	Boston
LOGAN (Boston)	278 (118.7, 126.18,118.1)	AC	(4), 131.9,118.7, 126.18,118.1
PEABODY FM	(-)	FM, 310, 9	Boston
SOUTH BOSTON LFM	(- - -)	LFM, 238°, 4.7	Boston
SOUTH WEYMOUTH (Navy)	420 (NFR)	BMRLZ	(3), 142.74 days on req.
South Weymouth NAF	3295 (142.74)	CN, 82°, 3.1	(3), 142.74, (8-1630,Mon.-Fri.)
SQUANTUM (Navy)	472 (NZW)	BMRLZ	(3);142.74 flt opers.
Squantum NAS	323 (142.74)	CN, 321°, 3.5	3105,4495;142.74 (8-30 min before sunset)

NEW HAMPSHIRE

BOSCAWEN FM	(- - - -)	FM, 332°, 14.2	Concord
CONCORD	251 (CN)(116.1)	BMRLZ-VDT,327°, 2.1	(4), 116.1
→GRENIER(Manchester) (Army)	338 (DUR)+	SBRAZ, 352°,4	

RHODE ISLAND

CHARLESTOWN NAAS	3295 (142.74)	CN	3105;142.74 (GCA)
→GREENE (Providence)	278 (118.9)	C	(4);116.1,131.9, 118.9
PROVIDENCE(Greene)	347 (PR)	BMRLZ-DT,480,3.5	(3)
QUONSET POINT(Navy)	356 (NCO)	BMRLZ	3105; 142.74
Quonset Point NAS	227(142.74) (126.18)	CN, 339°, 2.3	(3);142.74,140.58, 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

CONNECTICUT

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→Foster (Stonington)	1 NE,RR S	5	18 S4	80 oct.Lgt acft only
Plainfield	1.5 SSW,RR E	160	21 L S6	80 oct.Port rnwy lgts.
*Putnam Int,14,LG-DW	1.7 WSW,riv E	460	22 L3	Pole line N;poles NE

MAINE

Biddeford	2 SSW,RR NW	11	22 S2	80 oct.Poleline SE.
(N)Brunswick NAS(N)	1.5 SE,RR N	7	60h R1	INACTIVE
Douglas (Brunswick)	3.5 W,RR SE	170	15	
Hilltop (West Buxton)	0.8 WSW,RR S	300	22 S4	80 oct.Poleline ESE

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted)

MAINE

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Merrymeeting (Bowdoinham)	1 SSE,riv E	60	18 S1	80 oct.Trees N, S.
PORTLAND	2 W,riv E	60	43h R1 L5 S6	80, 91 oct.
Port of Maine (South Portland)	1.8 SSW,RR E	40	22 S3	80 oct.Poleline SSE, NE, SW.
Riverside Airpark (Brunswick)	1 WNW,RR S	60	18 S4	80 oct. No sto. Trees NNW.
(P)Sanford	4 SE,hwy N	243	60h L5 S6	80, 91 oct.
Scarboro	2 W,RR SSE	20	25 S2	80 oct.
Kennebunk	2 S,rd E	120	20 S2	80 oct.Trees S.Data not verified.
Stover (Freeport)	4 NNW	200	12 S2	80 oct.Data unverified

MASSACHUSETTS

Ames (Brockton)	3 WSW,RR W	120	20 S6	73 oct. RR S.
Auburn	2 SW,RR W,E	700	15	Lgt acft only.
Ayer	1.5 NW,riv W	268	52h	
(A)Bedford AAF (A)	1 S	128	50h R2L5 S6	80, 100 oct.
(CG)Beverly	3 NW,lake E	108	50h L5 S1	80,91 oct.
Bolton (Clinton)	2.3 NE,RR W	400	17 S6	80 oct.Trees around fld. RR S.
Boston-Metropolitan (Canton)	1 W,riv V	50	21 S6	80, 91 oct.
→Brockton	2 S,hwy E	128	22 S6	80 oct.Poles E,W.Rnwy data unver
Cape Cod (West Barnstable)	2.1 SW,lake SW	100	25 S2	80 oct.
Country Club(Wareham) (NC)	1.3 E,riv S	25	17	Pole line,trees N.
Chatham	1.7 WNW,hwy S	66	14 S4	80 oct.Pole line N.
Eastham Thundertown	5 N	45	16 S3	(Orleans) Data unverif.
Edgartown	2 S,rds E,NW	20	30 S4	30 oct. No sto.Pole
Falmouth (NC)	2.5 NE	40	18 S4	80 oct.Data not line NE verified.
Fitchburg	2.5 SE,bet RRs	334	45h S6	80 oct.Knolls,dike S.
Franklin-Norfolk (Norfolk)	2.5 WNW RR SSE,NW	140	20 S6	80 oct.Pole line S.
Grafton (No.Grafton)	0.7 SSW,riv N	450	30 S6	80 oct.Wooded hill S
Groton	4.6 WNW,RR W	280	28 S6	80 oct.
Haverhill	2 NNE,lake S	125	17 S6	80 oct.Stack S;pole line NW.
HYANNIS	1.2 N,RR E	56	41h S4	80, 91 oct.
King (Taunton)	4.5 ESE,RR N	45	26 S6	73 oct.Poleline NNE.
(P)LAWRENCE	2.5 ENE,lake E	155	40h L5 S6	91 oct. Pole line SSE
Leicester	2 N	1140	15h S4	80 oct.Reservoir SE.
(A,N) LOGAN (Boston)	1.5 E in harb.	12	70hR2 L4 S6	80,91,100 oct.Rdo rqrd FEE.
→Mansfield	2 SSE,RR NE	124	25 S2	80 oct. Poleline NW, NE.
Marlboro	2.4 E,RR WSW	265	15 S2	80 oct.Ridge SSE,NNW.
MARTHA'S VINEYARD (Vineyard Haven)	4.3 S,rd S	68	38h L5 S2	80,91 oct.Lgts prior req.Obsts SE side.
Mendon	0.3 S,lake W	450	18 S4	80 oct.No sto.Pole line N,NW.
Myricks	0.8 N,RR SW	65	20 S4	80 oct.Pole line S.
NANTUCKET	2.6 SE,rd N	47	40h L S6	80,91 oct.Port lgts.
(P)New Bedford	2.5 NNW,RR W	78	50h	RR S.
→Norwood	1.8 E,riv E	55	40h L5 S1	80, 91 oct.
Oak Bluffs	0.8 SW,rd W	20	20 S4	80 oct.Trees E,SE.
(N)Otis NAAS(Falmouth)	9 NNE	126	70h	INACTIVE. (N)
Plum Island (Newburyport)	2.3 SE,riv N	15	25 L1 S6	80 oct.Pole line E.
Providence (Seekonk)	2.1 ESE,rd NE	25	17 S4	80 oct.Pole line NNE

MASSACHUSETTS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Shawsheen Pines (Billerica)	2.7 E,RR NE	110	17 S4	80 oct.No sto.Trees NE,E,SE.
Sherman Memorial (Mansfield)	3 SSW,RR W	130	17 S1	73 oct.Trees sur fld
(N)South Weymouth NAF	1.5 SSE,RR W	152	45 R2 L5 S4	100 oct.B-2 lgts.(N)
(N)Squantum NAS (N)	0.8 W,bay N	10	41h R2 L5 S4	91,100 oct.No sto.No ngt flying.
→Westboro	1.9 WNW,hwy N	310	13 S6	80 oct.
Wilkins (No.Attleboro)	2 NE,lake NW	200	18 S6	80 oct.Poleline ESE
WORCESTER	3.5 W,RR SE	1009	55h	
Spencer	2 NE	1100	15	Data unverified.
Plymouth	SSE	149	25	Data unverified.
Revere	1 N	20	21h L S6	80,91 oct.Port lgts.fee.
Richardson (Dracut)	2 NNW Lowell	115	15 S4	Data unver Data unver.

NEW HAMPSHIRE

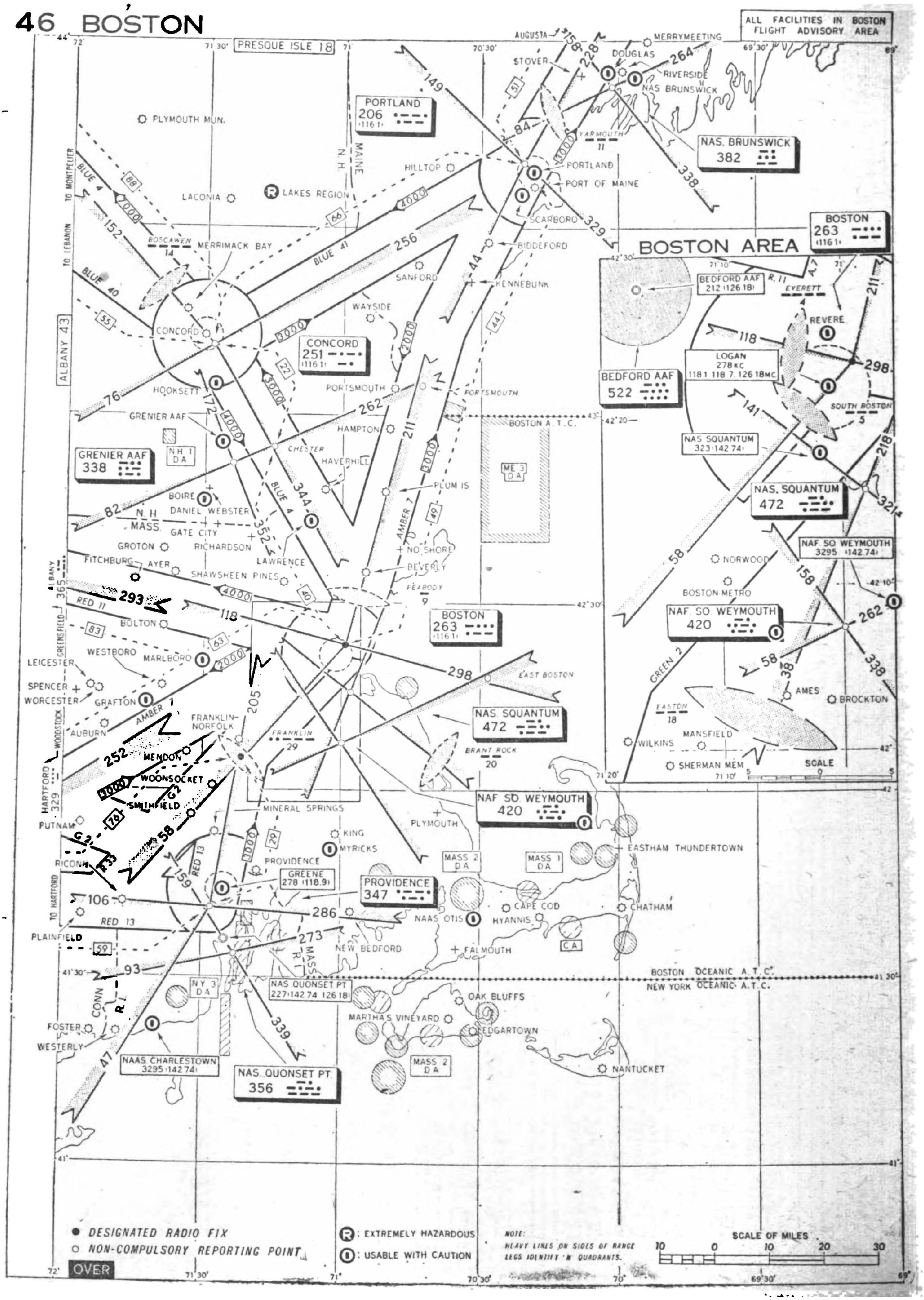
Boire (Nashua)	2.8 WNW,RR N	185	20h L3 S6	80 oct.Lgts prior req
CONCORD	1.5 E,riv W	346	40h R1 L5 S6	80,91 oct. P-line S.
Daniel Webster (Nashua)	3.5 NW,riv E	192	24 S6	60,91 oct.Data not verified.
(A)Grenier (Manchester)	4 S,RR E	230	70h R1	CLOSED (A)
Hampton	1.6 N,RR W	80	22 S5	80 oct.No sto.Trees N, S.
Hooksett Land & Seaplane	2 S,RR E	187	32 S6	80 oct. No sto.
Laconia	3.5 NNE; RR S	536	35h L5 S6	73,80,91 oct.Fld lgts prior req.
Lakes Region (Wolfeboro)	2.6 W,RR E	580	14 S1	80 oct.No sto.
Merrimack Bay (Concord)	5 NNW,RR W	260	15 S2	80 oct.Poleline S.
Plymouth Mun.Arpk.	3.5 WNW,RR N	506	18 S2	Ltd 80 oct.Poleline N
(P)Portsmouth	3 W,bay W	94	50h L5 S6	80,91 oct.
Wayside(Sommersworth)	2.4 W,RR N	200	12 S2	80 oct.Trees SSE.
Gate City (Nashua)	4 S		23 S4	80 oct. Data unver

RHODE ISLAND

(N)Charlestown NAAS (N)	1.9 SW,hwy N	32	58h R1 L5 S1	91, 100 oct. No bcn.
→GREENE(Providence)	7 S,RR W	53	41h R2 L5 S6	80, 91 oct.
Mineral Springs (Providence)	4.6 NW,hwy E	240	11 S4	73 oct.No sto. Trees surround field.
(N)Quonset Point NAS (Providence) (N)	16.5 S	14	60hR2L5 S6	91, 100 oct.
Riconn (Greene)	1.8 WNW,RR S	390	15 S4	80 oct.
→Smithfield	1 NE,RR W	400	17 S6	80 oct. Flares on req.
Westerly	2.4 SSE	81	40h	Riv. E.
→Woonsocket	2.5 E,riv WSW	400	17 S6	80 oct.
North Shore(Essex, Mass)	Adj NW	20	15 S1	Data unverified.

→ NEW OR REVISED DATA.

46 BOSTON


ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
PRESQUE ISLE 18
PLYMOUTH MUN.
PORTLAND 206 (116.1)
AUGUSTA
MERRYMEETING
STOVER
DOUGLAS
RIVERSIDE
NAS BRUNSWICK
NAS. BRUNSWICK 382
YARMOUTH
PORTLAND
PORT OF MAINE
SCARBORO
BIDDEFORD
KENNEBUNK
SANFORD
WAYSIDE
HILLTOP
LACONIA
LAKES REGION
BOSCAWEN
MERRIMACK BAY
CONCORD
CONCORD 251 (116.1)
HOOKSETT
PORTSMOUTH
GRENIER AAF
HAMPTON
CHESTER
HAVERHILL
GRENIER AAF 338
NH 1 DA
BOIRE
DANIEL WEBSTER
GATE CITY
RICHARDSON
GROTON
FITCHBURG
AYER
SHAWSHEEN PINES
LAWRENCE
PLUM IS
NO. SHORE
BEVERLY
PEABODY
ME 3 DA
BOSTON A.T.C.
BOSTON 263 (116.1)
BOSTON AREA
BEDFORD AAF 212 (126.18)
EVERETT
REVERE
LOGAN 278 KC 118.1 118.7 126.18 MC
BEDFORD AAF 522
SOUTH BOSTON
NAS SQUANTUM 323 (142.74)
NAS. SQUANTUM 472
NAF. SO WEYMOUTH 3295 (142.74)
NORWOOD
BOSTON-METRO
NAF. SO. WEYMOUTH 420
AMES
BROCKTON
EASTON
MANSFIELD
WILKINS
SHERMAN MEM
SCALE
NAS. SQUANTUM 472
BRANT ROCK
EAST BOSTON
FRANKLIN
MENDON
WOONSOCKET
SMITHFIELD
MINERAL SPRINGS
PUTNAM
RICONN
KING
MYRICKS
PROVIDENCE
GREENE 278 (118.9)
PROVIDENCE 347
NAF SO WEYMOUTH 420
PLYMOUTH
EASTHAM THUNDERTOWN
MASS 2 DA
MASS 1 DA
CAPE COD
CHATHAM
NAAS OTIS
HYANNIS
NEW BEDFORD
FALMOUTH
CA
BOSTON OCEANIC A.T.C.
NEW YORK OCEANIC A.T.C.
NY 3 DA
NAS QUONSET PT 227 (142.74 126.18)
OAK BLUFFS
MARTHAS VINEYARD
EDGARTOWN
NANTUCKET
MASS 2 DA
NAAS CHARLESTOWN 3295 (142.74)
NAS. QUONSET PT. 356
FOSTER
WESTERLY
PLAINFIELD
TO MONTPELIER
TO LEBANON
ALBANY 43
TO HARTFORD
HARTFORD 329
WOODSTOCK
GREENSFIELD
ALBANY 365
BLUE
BLUE 40
BLUE 41
BLUE 4
RED 11
RED 13
AMBER 1
AMBER 2
GREEN 2
G 2
N H
MAINE
MASS
CONN
R I
149
84
158
228
264
338
329
44
256
152
118
293
76
172
262
211
344
352
82
365
83
63
55
22
51
88
66
40
49
29
44
3000
4000
2000
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'M' QUADRANTS.
SCALE OF MILES
10 0 10 20 30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION
OVER

SAN FRANCISCO

47

ALL FACILITIES IN OAKLAND FLIGHT ADVISORY AREA

MEDFORD 19

TO DONNER SUMMIT

LAMPSON 36 S

HOBERG

LINCOLN 40H

AUBURN 31 L S

AUBURN

McCLELLAN AAF-73 70H L S - 396 (126.18)

YOLO FLYERS 34 S

WINTERS 60H

NORTON SKY RANCH

ALEXANDER VALLEY

BRANSTETTER

SACRAMENTO-21 60H L S-278(126.18)

SANTA ROSA 45H S

FAIRFIELD-SUISUN AAF 248

MATHER AAF 476

NAAS, SANTA ROSA 70 H L S

SANTA ROSA

UNIVERSITY

MATHER AAF-87 75H L S-201(126.18)

JUSTMAN

FAIRFIELD-SUISUN AAF-57 81H L S-272 (126.18)

COTATI OLF 40H

NAPA SKY RANCH

OAK VIEW

PETALUMA

NAPA CO 53H S

SKY RANCH 28 S

BORGES CLARKSBURG 25 S

MOTHER LODE

CALIF. 16 D.A.

FAIRFIELD-SUISUN 30 S

STAN'S AIRPK

VALLEJO

SACRAMENTO 236 (116.1)

LINDS 33 S

HAMILTON AAF 528

FRANKLIN 40H

KINGSBURY 40H

LODI

ORANGE BROS

MARTINEZ

WEST LANE

HAMILTON AAF-(-2) 80H L S-219(126.18)

BAY POINT 24

MARIN CO.

RICHMOND

STOCKTON 45 H L S

SAUSALITO 18

SUMMER HOME

FARALLON IS. 379

OAKLAND 335 (116.1)

GOLDEN GATE

NEWARK 16

NEW JERUSALEM 40H

SAN FRANCISCO 227

MODESTO 40H S

HALF MOON BAY 11

BELMONT 6

EVERGREEN 38

NAAS, CROWS LANDING 70 H

GUSTINE

EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.

LOS BANOS 32 S

DOS PALOS 29 S

FOR DETAILS IN THE SAN FRANCISCO AREA SEE CHART 50

EVERGREEN

VALLEY

WATSONVILLE NO.1 45 H L S

SANTA CRUZ

HOLLISTER 44H L S

LOS BANOS 61

FRESNO 344

EAGLE

WATSONVILLE NO.2 17H

CALIF. 6 D.A.

SALINAS 266

AMERICAN LEGION 31 S

MONTEREY PENINSULA 50H S

SALINAS-84 50H S

CARMEL VALLEY 28 S

KING CITY 46H

CALIF. 15 D.A.

OVER

SANTA BARBARA 50

FRESNO 51

TO WHEELER RIDGE

TO SANTA BARBARA

TO FRESNO

123° 32' 35° 41'

123°

122° 30'

122°

121° 30'

121°

39°

38° 30'

38°

37° 30'

37°

36° 30'

36°

120° 37'

BLUE 10 124 3000 53 56 4000 WILLIAMS 326

GREEN 3 202 12000 88

AMBER 1 333 120 27 4000

210 18 13 3000 300 8000 35

RED 46 30 12 4000 199 5000 29

GREEN 3 199 12 4000 111

AMBER 1 287 303 8000 BLUE 7 45 19

AMBER 1 307 3000 152

AMBER 1 91 3000 106

BLUE 46 300 18 CARMEL VALLEY 28 S 223

AMBER 6 145 183

BLUE PASO ROBLES VHF 198.7

123 198 30 RED 46 GREEN 3 199 5000 29 2000 307 3000

120 84 198

● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

⊖: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION*

*NOTE: HEAVY LINES ON SIDES OF AIRWAYS INDICATE "E" BOUNDARIES.

SCALE OF MILES

30 0 10 20 30

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT	(3);126.18 cont;4220 kc on req.
Fairfield-Suisun AAF (Army)	272 (126.18)	CA; 210°, 4.7	(3); 4220;126.18 (GCA)
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ	
→Hamilton Field	219 (126.18)+	CA; 160°, 2.1	(3);126.18.4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA; 298°, 8.9	(3); 126.18
Mather Army (H fac.)	476 (DIM)	H	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX,199°,0	(4); 116.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-VDT	(3); 116.1
Sacramento Airport	278 (126.18)	C; 22°, 1.7	(4);126.18
SALINAS	266 (SB)	MRLW , 310°,2.4	
SAN FRANCISCO	227 (SF)	SBMRLZ-DT,281°,3.6	(3)
SANTA ROSA NAAS (NC)	3295 (142.74)	CN	(3); 142.74 (req. only)
SAUSALITO FM	(- - - -)	FM, 278°, 17.5	Oakland

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116 1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15	Trees S.
American Legion(Salinas)	1.8 NNW	75	31	
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg (Clarksburg)	2.4 NNE,riv SE	15	25 S6	80 oct.No sto.Power line E.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver.
Carmel Valley	12.5 ESE,riv S	450	28 S4	80 oct.No sto.
(N) Cotati OLF (N)	1.5 N,RR E	94	40h	INACTIVE. Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	INACTIVE.
Dos Palos	1.6 S,RR W	146	29 S6	80,91 oct.No sto.Pole line S.
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.No sto.
Fairfield-Suisun	1 E,RR N	7	30 S5	80 oct.Poles N,S.
(A) Fairfield-Suisun AAF (A)	5.5 NE	57	81h R2 L5 S4	73,91,100 oct.FOREIGN CLEAR. STN.
Franklin	5.5 SSE, riv E	21	40h	
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	-2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	16 S4	80 oct.No sto.
King City	1.5 NNE,RR W	360	46h	
Kingsbury (Lodi)	6 WSW	15	40h	RR NE.
Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lincoln (Sacramento)	3.2 WNW,RR NE	120	40h	
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.No sto.Poles E.
Lodi Airpark	4.5 SW,RR W	25	28 S6	80 oct. Hwy E.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE,RR W Hwy W	2	17 S4	80 oct.
Martinez	0.8 N,RR S	6	20 S6	80 oct.Hill WSW.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	87	75h R2 L5 S6	91,100 oct. No sto.
Modesto	2.2 ESE,riv S	100	40h L1 S6	73,80 oct.Bcn prior req.
(P) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L2 S1	80,91 oct.Lgts prior req.Data unver.
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	40	18 S5	80, 91 oct. Hwy W req.
New Jerusalem(Tracy)	8 ESE	56	40h	River E.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	20 S1	80 oct.Pole line WNW.
Orange Bros. (Stockton)	5 N	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
Petaluma	1.7 N,RR E,W	30	15 S4	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct. Pole line E.
Salinas	2.5 SE,RR SW	84	50h L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E,RR W	96	24 S1	80 oct.
Santa Rosa	7 NW,RR E	118	45h L5 S6	80,91 oct.Lgts on req.
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h R1 L5 S4	91, 100 oct. No sto.
Sky Ranch (Sacramento)	4 SSE.RR W	26	28 L S5	80,91 oct.Port rnwy lgts.Pole
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. line SE.
State Forestry(Davis)(NC)	3 E,hwy N	228	26	Power line W.
→ Stockton	4 SSE,RR W,SW	27	45h L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW,RR E	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct.
Valley (Morgan Hill)	1.2 S,hwy E	540	17 S1	80 oct.Pwr pole SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW,bay W	125	17h	
West Lane(Stockton)	4.1 N,RR W	25	25 S1	73, 80 oct.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	97	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S4	80 oct.No sto.Port rnwy lgts. Poles E.
→ Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.

b-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page xiii) NC-(not charted). → New or revised data

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(116.1)	SBMRAZ-VDT,141°,1.5	(3); 116.1
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
BELMONT	356 (F)	FMK; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
KERN COUNTY, BAKERSFIELD	278 (118.5)	C (ILS)	(4); 126.18,131.9,118.5, 142.74
LEBEC FM	(- -)	FM, 141°, 42	Bakersfield
MOFFETT NAS (Mountain View)	3295	CN	(3); 126.18, 142.74
MT. VIEW (Navy)(Moffett NAS)	323 (NUQ)	BMRLZ; 320°, 1.9	(3); 126.18,142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMK; 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX	(4); 116.1
Oakland Airport	278 (126.18)	AC (ILS); 199°, 0	(4);126.18,118.7,131.9 (GCA)
POINT MUGU NAF	338 (142.74)	CN	3105,6210; 142.74 (8-20)
SAN FRANCISCO	227 (SF)	SBMRLZ-DT	(3)
San Francisco Airport	269(126.18,118.9)	C; 291°, 3.6	(4); 126.18,118.9,131.9
SANTA BARBARA	230(OY)(116.1)	BMRLZ-VDT	(4); 126.18,142.74,116.1
Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4); 118.7,131.9 (7-23)
SAUSALITO FM	(- - - -)	FM; 278°, 17.5	Oakland
PASO ROBLES, CALIF.	(108.7)(OB)	VARW	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Kern County, Calif.	109.9		300°Mag.	IM- (.07)	MM- ····· (.80)	OM- -- (4.71)
					MMK-	OMK-
Oakland, Calif.	109.9		273°Mag.	IM- ····· (.12)	MM-	OM- -- (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without **Voice; Z-VHF Range Station Location Marker;** (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column **indicate VHF Voice.** + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

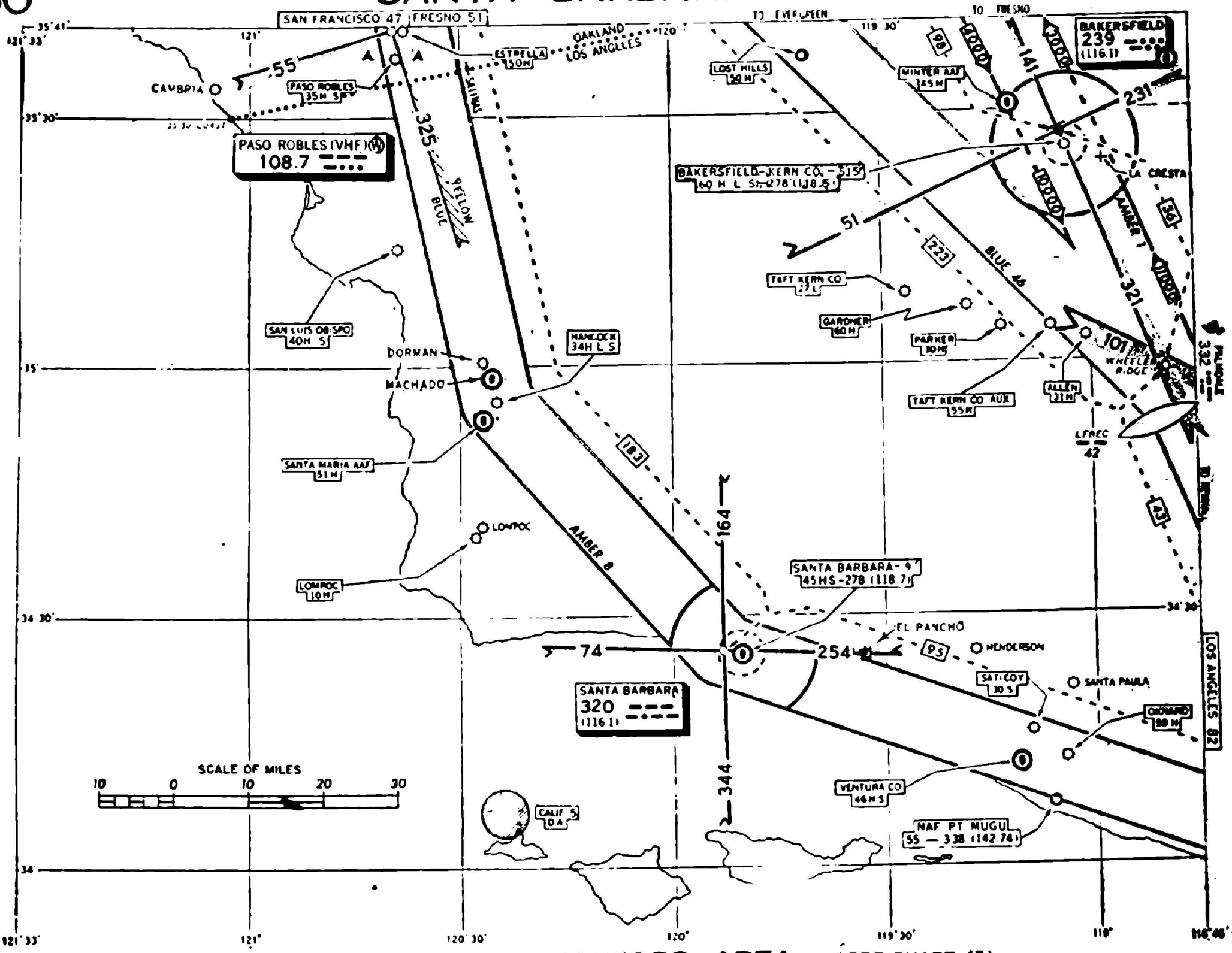
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW,bay S,W	15	52h R1 L5 S6	91,100 oct.No sto.NAFC.
Allen (Taft)	26 ESE	500	31h	
Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 L3 S6	80,91 oct.Bldg SSE.No bcn. Strip lgts prior req.
Belmont	0.5 N,RR W	5	30 S4	73,80 oct.No sto.Bay E.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
(N) Concord (N)	1.9 NE,hwy S	104	40h	C-L-O-S-E-D
Contra Costa Co. (Concord)	1.5 NW,hwy S	23	50h	
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
Estrella (Paso Robles)	4.5 NE	806	50h	Use in emergency.
Gardner (Taft)	9 ESE,RR SE	444	60h	
Half Moon Bay	5.5 NW,hwy NE	36	50h	
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W
Hayward	2 WSW,RR W	25	55h L5 S6	80,91 oct.No sto.Fld lgts prior req
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unver.
(N) Livermore NAS (N)	3.7 E,RR N	626	42h	INACTIVE.
(N) Livermore OLF (N)	2 WNW,hwy E	448	40 L2	Poles E,N.Twr NE.
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	INACTIVE.
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	410	45h	INACTIVE.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	70h R2 L4 S4	91,100 oct.No sto.
Mountain View	2.2 NW,RR W	57	31 S6	73 oct.
(N) Oakland	5 S,RR SE	5	62h R3 L6 S6	73,80,91,100 oct,2-way rdo req.
→ Oxnard Flight Strip	5.5 E,RR S	84	50h	Use in emergency.
Palo Alto	2 ENE,bay E	5	23 L S6	73,80 oct.Port.rnwy lgts.Poles S
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct.
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-line E,C-L-O-S-E-D.
Reid-Hillview (San Jose)	4 E,hwy N	200	27 L3 S6	80,91 oct.No sto.or bcn.Poles N,S.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE,bay E	10	80h R2 L5 S1	80,100 oct.No sto.Rdo req.
San Jose City (San Jose)	2 NW,RR SW	70	18 S6	91 oct.No sto.Pwr line S.
(P) San Luis Obispo	2 SSE,hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE,RR E	6	15 S6	80,91 oct.No sto. Hwy W.
San Ramon	2.5 SE,RR adj E	440	25 S2	80,91 oct.
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Fld lgts till 2300
(A) Santa Maria AAF (A)	3.5 S,hwy E	258	51h	INACTIVE.
Santa Paula	0.8 S,riv S	240	22 L S6	80 oct.Port.strip lgts prior req.
Saticoy	1.5 S,RR N	80	30 S1	80,91 oct.No sto.Trees NE.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE,RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tracy #5	3.6 S	190	40h	
Ventura County (Oxnard)	1 W,hwy E	44	46h L S6	80,91 oct.Flares prior req.
→ Vernalis	2.3 S	217	70h	
Warm Springs	2.3 SSE,RR W	100	29 S6	91,80 oct.No sto.
Cooley (San Carlos)	2.9 NNW,RR S	6	21 S6	80,91 oct. Hwy SW.
Dorman (Santa Maria)	4 N,RR SW	380	23 S1	80 oct.
→ El Rancho Arpk (Carpenteria)	2.3 WNW,RR SW			ABANDONED
Machado (Santa Maria)	2.2 N,RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E; road SW	125	26 S4	91 oct.
Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW,RR W	515	60h R3 L5 S6	80,91,100 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page x111) NC-(not charted). → **New or revised data**

SANTA BARBARA



● DESIGNATED RADIO FIX

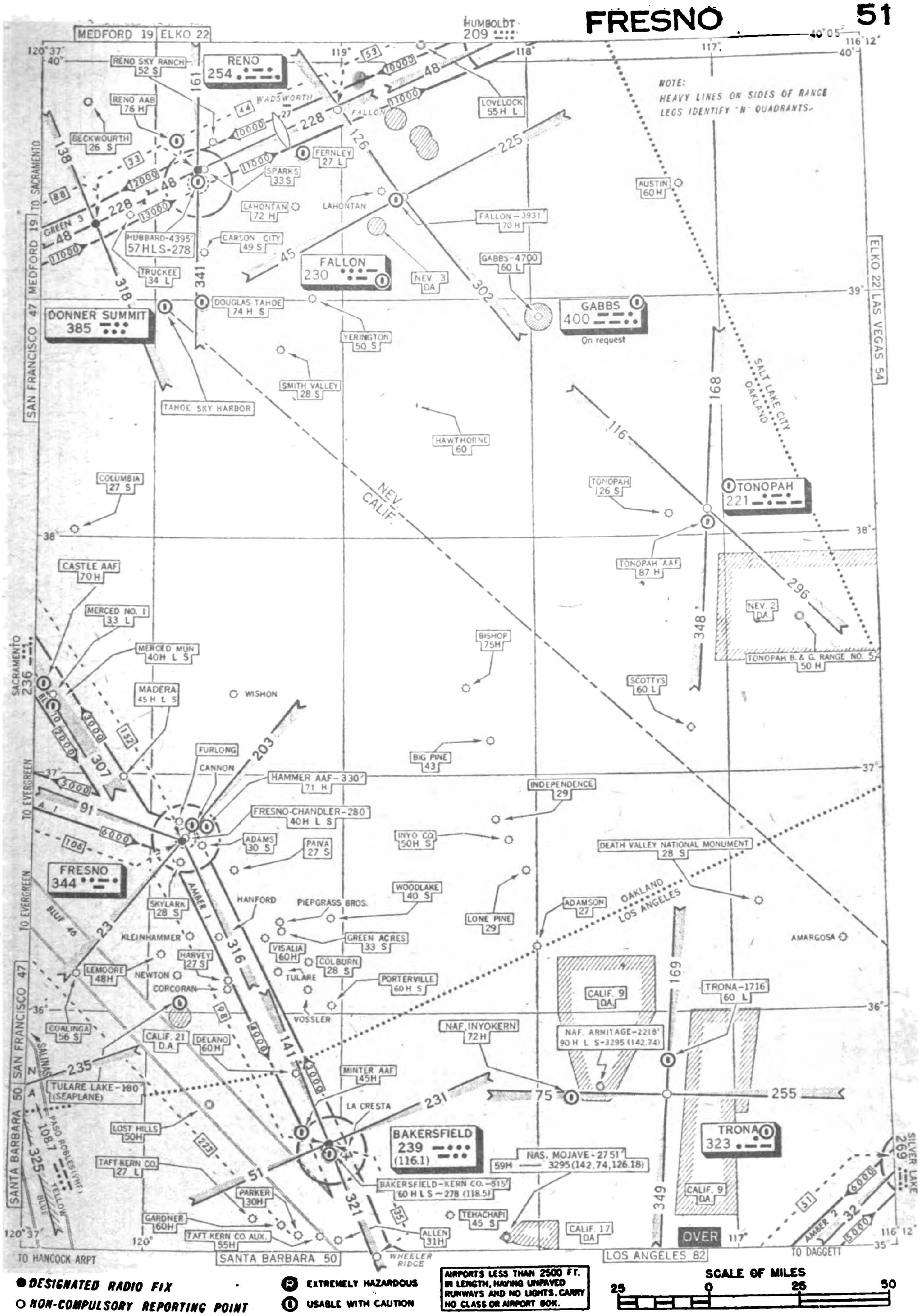
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'B' QUADRANTS.

AIRPORTS LESS THAN 2000 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT BOX.

Ⓡ: EXTREMELY HAZARDOUS

Ⓘ: USABLE WITH CAUTION


MEDFORD 19 ELKO 22
HUMBOLDT 209
RENO 254
RENO SKY RANCH 52 S
RENO AAB 76 H
BECKWOURTH 26 S
WADSWORTH
FALLON
LOVELOCK 55 H L
FERNLEY 27 L
SPARKS 33 S
LAHONTAN 72 H
LAHONTAN
AUSTIN 60 H
FALLON 230
FALLON – 3931' 70 H
HUBBARD-4395' 57 HLS-278
CARSON CITY 49 S
GABBS-4700 60 L
TRUCKEE 34 L
NEV. 3 DA
DONNER SUMMIT 385
DOUGLAS TAHOE 74 H S
GABBS 400
On request
YERINGTON 50 S
SMITH VALLEY 28 S
TAHOE SKY HARBOR
HAWTHORNE 60
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
SALT LAKE CITY OAKLAND
COLUMBIA 27 S
NEV. CALIF.
TONOPAH 126 S
TONOPAH 221
TONOPAH AAF 87 H
CASTLE AAF 70 H
MERCED NO. 1 33 L
MERCED MUN 40 H L S
MADERA 45 H L S
WISHON
BISHOP 75H
SCOTTYS 60 L
NEV. 2 DA
TONOPAH B. & G. RANGE NO. 5 50 H
FURLONG
CANNON
HAMMER AAF – 330' 71 H
BIG PINE 43
INDEPENDENCE 29
FRESNO-CHANDLER-280' 40 H L S
ADAMS 30 S
PAIVA 27 S
INYO CO. 50 H S
DEATH VALLEY NATIONAL MONUMENT 28 S
FRESNO 344
SKYLARK 28 S
HANFORD
PIEPGRASS BROS.
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
OAKLAND LOS ANGELES
AMARGOSA
KLEINHAMMER
VISALIA 60 H
GREEN ACRES 33 S
COLBURN 28 S
HARVEY 27 S
LEMOORE 48 H
NEWTON
CORCORAN
TULARE
PORTERVILLE 60 H S
CALIF. 9 DA
TRONA – 1716 60 L
VOSSLER
COALINGA 56 S
CALIF. 21 D.A
DELANO 60 H
NAF, INYOKERN 72 H
NAF. ARMITAGE – 2218' 90 H L S – 3295 (142.74)
MINTER AAF 45 H
TULARE LAKE – 180' (SEAPLANE)
LA CRESTA
LOST HILLS 50 H
BAKERSFIELD 239 (116.1)
NAS, MOJAVE – 2751' 59 H — 3295 (142.74, 126.18)
TRONA 323
TAFT-KERN CO. 27 L
BAKERSFIELD – KERN CO. – 515' 60 H L S – 278 (118.5)
PARKER 30 H
TEHACHAPI 45 S
CALIF. 17 DA
GARDNER 60 H
TAFT-KERN CO. AUX. 55 H
ALLEN 31 H
WHEELER RIDGE
CALIF. 9 DA
SILVER LAKE 269
TO HANCOCK ARPT
SANTA BARBARA 50
LOS ANGELES 82
TO DAGGETT
OVER
SAN FRANCISCO 47 MEDFORD 19 TO SACRAMENTO
SACRAMENTO 236
TO EVERGREEN
SAN FRANCISCO 47 SAN FRANCISCO 50 SANTA BARBARA 50
ELKO 22 LAS VEGAS 54
SALINAS
EL PASO ROBLES (VHF) YELLOW BLUE
BLUF 46
AMBER 1
AMBER 2
120°37'
116°12'
40°05'
40°
39°
38°
37°
36°
35°
117°
118°
119°
161
341
318
302
225
126
228
138
48
45
23
307
203
316
321
296
168
348
349
255
231
141
116
91
75
51
32
Designated radio fix
Non-compulsory reporting point
Extremely hazardous
Usable with caution
Airports less than 2500 ft. in length, having unpaved runways and no lights. Carry no class or airport box.
Scale of miles
25 0 25 50

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS OF OPER., REMARKS
ARMITAGE (Inyokern)	3295(142.74)	CN	(3):126.18.142.74(days)
BAKERSFIELD (Kern Co.)	239 (BD)(116.1)	SBMRAZ-VDT, 141°, 1.5	(3):116.1
DONNER SUMMIT	385 (DS)	BMRL-DT	(4)
FRESNO (Fresno-Chandler)	344 (FT)	SBRAZ-DT, 23°, 0.9	(4)
KERN CO., (BAKERSFIELD)	278 (118.5)	C(ILS)	(4):126.18.131.9,118.5,
MOJAVE NAS	3295(126.18)(142.74)	CN	(3):126.18.142.74 142.74
TRONA (Int.)	323 (EW)	SBMRAZ-DT, 349°,11	(4)Not manned cont.
→ TULARE LAKE SEAPLANE ANCHORAGE			DECOMMISSIONED
NEVADA			
FALLON	230 (VA)	SBRAZ-DT, 219°, 2.9	(4) Not manned cont.
GABBS (Int.)	400 (GZ)	MHP	(4) not manned cont.
HUBBARD FLD (Reno)	278	CI	(4); Wed,Sat,Sun 6-19, other days 8-1630)
RENO-(Hubbard)	254 (RP)(116.1)	SBRAZ-VDT,161°,3.3	(4); 116.1
→ TONOPAH (AAF)	221 (RY) +	SBRAZ-DT,168°.2.8	(4) not manned cont.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
KERN CO., CALIF.	109.9		300° Mag.	IM (.07)	MM ·····(.80)	OM -- (4.71)
				MK	MMK	OMK

S Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct.No sto.Poleline NNW,SSE.Port rnwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W, 75' twr E.
Allen (Taft)	26 ESE	500	31h	
Amargosa (Death Valley Jct)	0.7 W;hwy E	2037	22 S1	73 oct. Pole line S.
Big Pine	3.4 ESE;RR W	4000	43	1500'mts SE;1000' mts E.
Bishop	2 ENE;riv E	4121	75h L5	All lgts prior req.
Bryant (Bridgeport)(NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N;RR W	310	19 S6	80 oct.Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	180	70h	CLOSED.
Coalinga	1.5 N;hwy E	664	56 S4	80 oct. Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;rd S	220	19 S4	73,80 oct.No sto.Poles N, NW, SE.
Cornell (Porterville)(NC)	2.4 SSW;RR E	470	26	Poles SE.
Death Valley (Furnace Creek)	1 WNW	-178	28 S2	87,100 oct.
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
Delano	1.5 SE,RR W	315	60h	
FRESNO-CHANDLER (Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91,100 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	90,91 oct.
Gardner (Taft)	9 ESE;RR SE	444	60h	
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	33 S6	80 oct.Pole line SE.
(A) Hammer (Fresno)(A)	4.8 NE,rds N,E	330	71h	INACTIVE.
Hanford	1.2 SE;RR W	250	20 S4	80 oct.
Harvey (Corcoran)	2.7 NNW,RR W	200	27 S4	80 oct.No sto.
Independence	0.9 N,hwy W	3926	29	Trees S.
Inyo County (Manzanar)	0.5 E;hwy W	3875	50h L5 S2	80 oct.All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW; RR E	2455	72h	INACTIVE.
Kleinhammer (Lemoore)	1.2 N;hwys S	225	16 S2	80 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unverified.
Lemoore	9 SW;RR NW	241	48h	
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	INACTIVE.
(N) Armitage NAF (Inyokern)(N)	8 ENE	2218		91,100 oct.No sto.CLOSED
Boston Land Co.(Westhaven)	1.7 SSW;hwy N.	300	31	(NC)

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing see page XIII)(NC)-Not charted. → NEW OR REVISED DATA

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Madera	3.5 WNW;hwy E	271	45h L5 S4	80-100 oct. No sto.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) Merced, mun.	1.6 WSW;RR NE	152	40h L5 S6	80,100 oct.No sto.
Merced #1	2.5 NW;RR SW	165	33 L3	No beacon
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	410	45h	INACTIVE.
(N) Mojave (N)	0.7 E;hwy W	2751	59h R1	C-L-O-S-E-D.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USFS. (NC)
Newton (Stratford)	2.7 SSW;riv E	194	23 S4	80 oct.No sto.Pwrline N,NW
Paiva Intercity (Parlier)	1.5 WSW,RR NE	330	27 S4	80 oct.Poles ESE.
Parker (Taft)	15 SE	550	30h	
Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S2	80 oct.
Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE,rd SE	3500	20	Poles W.
Sequoia (Visalia)(NC)	8.5 NNW,RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RRadj S	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28 S6	80,91 oct.
→ Symons (Bishop)				ABANDONED
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N, RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USFS.(NC)
★ Trona 13, RV-ND	5 NE,rd W	1716	60 R1 L3	Fld sur by mtns.
★ Truckee Int. 16B, SP-SL	3.6 ENE,RR S	5820	34 L3	Snow Dec.-Apr.
Tulare	2.9 SSE; RR W	300	20 L S6	80,91 oct. No sto.
Tunnel (Olancha) USPS (NC)	16.5 WNW,riv S	9100	21	Mtns - timber 2000' NE.
Visalia	5 W;RR W	300	60h	
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S.
Wishon (Bass Lake) USPS	1.5 WNW	3380	22 S1	80 oct. Trees NNW.
Woodlake	2.6 ESE; lake NW	450	40 S4	80 oct. No sto.
NEVADA				
(N) Austin OLP (N)	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE,hwy W	4684	49 S6	80 oct.Mts N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE,RR W	4709	74h S6	73 oct.
★ Fernley Int, 22, SP-SL	3.3 E;hwy NW	4156	27 L2	
Fallon	6 SE;hwy S	3931	70h R1	Closed,emergency use only.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60 R1 L3	
(N) Hawthorne	2 N,lake NNW	4200	60 L	Emerg. lgtg on ½ hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	57h R2 L5 S4	80,91 oct. Fld lgts prior req.
Lahontan (Fallon)	1.4 SSW,hwy N	4000	24 S4	80 oct.Poles ENE,WSW.Hwy W
Lahontan Flight Strip (Fernley)	15.5 S,hwy N	4279	72h	
Lovelock	1.5 ENE,riv W	3986	31 S2	80 oct.
Manhattan (NC)	6.8 W;hwy W	5850	40	
(A) Reno AAB (A)	10.5 NNW,RR SW	5046	76h	Mts sur fld.C-L-O-S-E-D.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct.Plane pits on prior req.
★ Scottys Int,22,RV-ND	9 SSE Gold Pt.	4300	60 L2	
Smith Valley	1 ESE,hwy N	4850	28 S6	73,80 oct.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct. Pole line W.
Tonopah	3.2 WNW,RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5427	87h R1	INACTIVE.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N,RR W	4483	50 S1	73 oct.
→ Tahoe Sky Harbor(Genoa,Nev.)	6 WSW;RR N	6230	42 S1	80 oct.
(P) BAKERSFIELD-KERN COUNTY (Bakersfield,Calif.)	4.4 NNW, RR W	515	60h R3 L5 S6	80,91,100 oct.

RADIO — ARIZONA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Love)	347(PN)(116.1)	SBRAZ-VDT,142°,5.5	(4), 116.1

CALIFORNIA

NEEDLES	400(NJ)(116.1)	BMRLZ-VDT,195°,2.2	(4), 116.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-VDT,132°,1.9	(4), 116.1

NEVADA

CRYSTAL FM	(-)	FM, 28°, 30	Las Vegas
LAS VEGAS	206(LQ)(116.1) (111.1)	SBMRAZ-VDT	(3)131.7,116.1 only
→Las Vegas AAF	278(126.18,118.7)+	C (ILS), 28°, 1.9	(4), 131.9,118.7,126.18

UTAH

BRYCE CANYON (Int,)	108.3(BV)(111.1) (116.1)	VAR-VDPT,35°,0.8	3117.5,131.7,116.1, 129.7 cont.(3)req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-VDT,20°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-VT,20°,1	(4), 116.1
ST.GEORGE	108.7(GX)(111.1) (116.1)	VAR-VDP,229°,7.8	3117.5;131.7,116.1, 129.7.(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM; 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LAS VEGAS	110.3	335	25°Lag	IM	MM ---(.66)	OM --(4.2)
→ AAF, NEV.					MMK	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L3	
Clemenceau (Cottonwood)	1.7 SSW,hwy NE	3400	29 L1 S4	73 oct.
Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14.8 S,RR W	6362	65 S4	80 oct.Trees ENE,WNW, SSW.Rnwy data unver.
Kingman	8.5 NE,hwy NW	3395	65h	
Mohave Co.(Kingman)	6.5 NW,hwy E	2850	34 S1	73 oct.

ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→Port Kingman (Kingman)	3 NE,RR S,E	3453	54 L3 S1	80,91 oct.All lgts prior req.
Valle	2.3 E'RR W	5990	60 L3	Fld lgts prior req.
Verde Valley(NC)	1.8 SE,riv W	3400	30	(Cottonwood)
Williams	4.3 N,RR E	6600	41 S6	80 oct.Mts SW.
Yucca	1.5 NE,RR W	1975	60h	

CALIFORNIA

* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
Needles	5.5 S,hwy E	918	58h R1 L3	
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE Rnwy data unverif.
* Silver Lake Int,18, LA-SL	2.5 SSE,RR E	924	40 R1 L3	

NEVADA

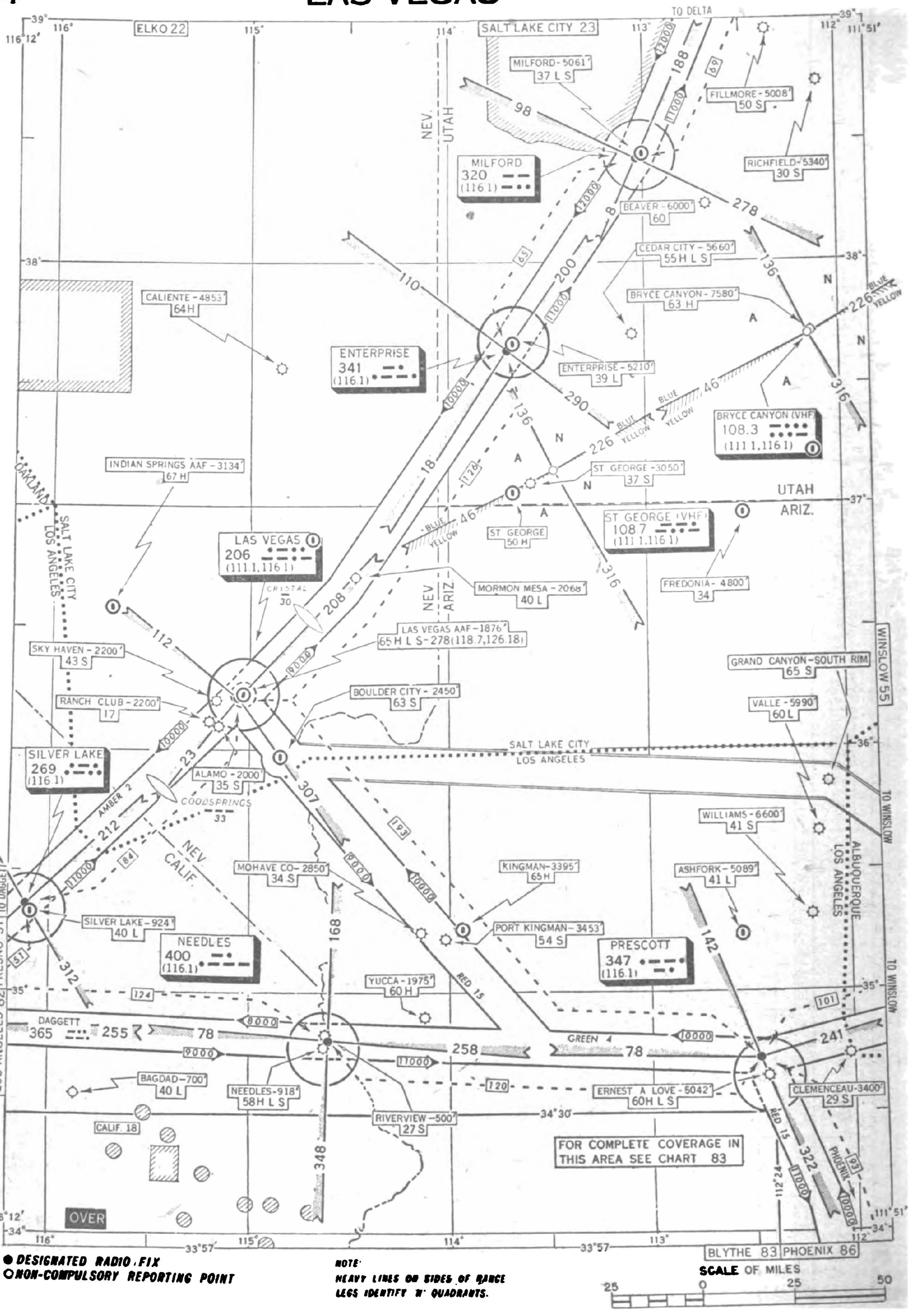
Alamo (Las Vegas)	5.5 SSW,RR SW	2000	35 S4	73,80,91 oct.
(N) BOULDER CITY	1.8 SW,RR W	2450	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3134	67h	INACTIVE.
(A) Las Vegas AAF(A)	7.8 NE,hwy NW	1876	65h R3 L5 S6	100 oct. No sto.
* Mormon Mesa Int, 31B,LA-SL	6 ENE Glendale	2068	40 L3	
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	5.5 SW,RR E	2200	17	Mts WSW,ENE,E.
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas)

UTAH

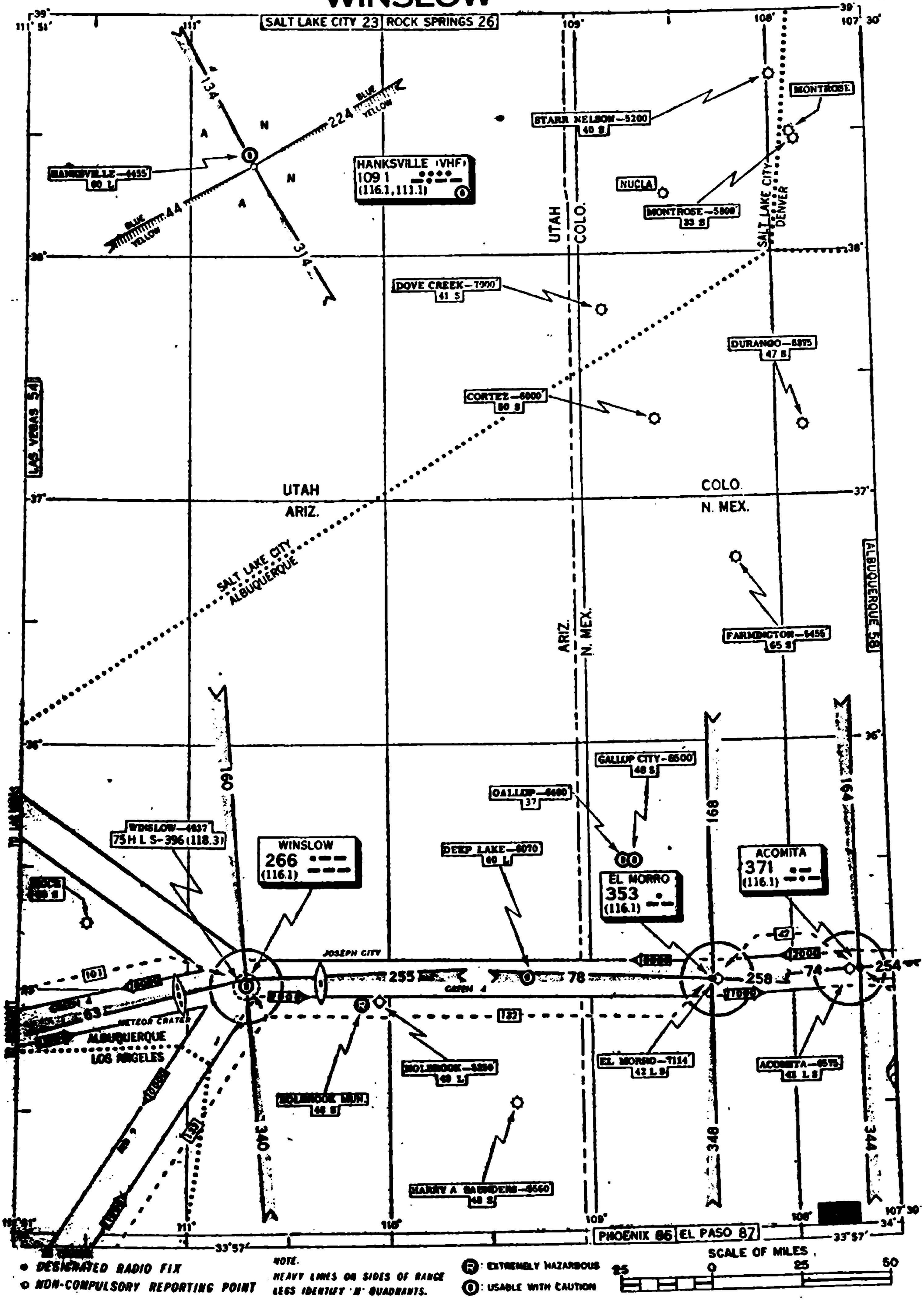
Beaver	3.2 SSW,hwy E	6000	60	
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
Cedar City	2.3 NW,hwy W	5660	55h L5 S6	80,91 oct.
* Enterprise Int,39	8 NNE,hwy N	5210	39 R1 L3	LA-SL
Fillmore	2 WSW,hwy SE	5008	50 S2	73 oct.
Milford,45,LA-SL	2.3 NNW,RR E	5061	37 R1 L3 S1	80 oct.
Richfield	1.8 SSW,RR E	5340	30 S4	80 oct.
St.George	1.5 SSW,riv SSE	3050	37 L2 S4	80 oct.Fld lgts & svcg prior req.
* St.George Int,36, LA-DV	6 SE		50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities S-servicing. (See page X111) NC-(not charted) → NEW OR REVISED DATA

LAS VEGAS


ELKO 22
SALT LAKE CITY 23
TO DELTA
MILFORD - 5061'
37 L S
FILLMORE - 5008'
50 S
RICHFIELD - 5340'
30 S
MILFORD
320
(116 1)
BEAVER - 6000'
60
CEDAR CITY - 5660'
55 H L S
BRYCE CANYON - 7580'
63 H
CALIENTE - 4853'
64 H
ENTERPRISE
341
(116.1)
ENTERPRISE - 5210'
39 L
BRYCE CANYON (VHF)
108.3
(111 1,116 1)
INDIAN SPRINGS AAF - 3134'
67 H
ST GEORGE - 3050'
37 S
UTAH
ARIZ.
ST GEORGE
50 H
ST GEORGE (VHF)
108.7
(111 1,116 1)
LAS VEGAS
206
(111.1,116 1)
MORMON MESA - 2068'
40 L
FREDONIA - 4800'
34
LAS VEGAS AAF - 1876'
65 H L S - 278 (118.7,126.18)
SKY HAVEN - 2200'
43 S
GRAND CANYON - SOUTH RIM
65 S
BOULDER CITY - 2450'
63 S
RANCH CLUB - 2200'
17
VALLE - 5990'
60 L
SILVER LAKE
269
(116.1)
ALAMO - 2000'
35 S
SALT LAKE CITY
LOS ANGELES
WILLIAMS - 6600'
41 S
MOHAVE CO - 2850'
34 S
KINGMAN - 3395'
65 H
ASHFORK - 5089'
41 L
PORT KINGMAN - 3453'
54 S
SILVER LAKE - 924'
40 L
NEEDLES
400
(116.1)
PRESCOTT
347
(116.1)
YUCCA - 1975'
60 H
DAGGETT
365
255
78
258
GREEN 4
241
BAGDAD - 700'
40 L
NEEDLES - 918'
58 H L S
ERNEST A LOVE - 5042'
60 H L S
CLEMENCEAU - 3400'
29 S
RIVERVIEW - 500'
27 S
CALIF. 18
FOR COMPLETE COVERAGE IN THIS AREA SEE CHART 83
OVER
BLYTHE 83
PHOENIX 86
SCALE OF MILES
25 0 25 50
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

WINSLOW


SALT LAKE CITY 23 ROCK SPRINGS 26
39°
111° 51'
111°
109°
108°
107° 30'
134
224
BLUE YELLOW
44
314
A
N
HANKSVILLE (VHF)
109.1
(116.1, 111.1)
HANKSVILLE — 4135'
60 L
STARR NELSON — 5200'
40 S
MONTROSE
NUCLA
MONTROSE — 5800'
33 S
UTAH
COLO.
SALT LAKE CITY
DENVER
38°
DOVE CREEK — 7000'
41 S
DURANGO — 6875'
47 S
CORTEZ — 6000'
50 S
LAS VEGAS 541
37°
UTAH
ARIZ.
COLO.
N. MEX.
SALT LAKE CITY
ALBUQUERQUE
ARIZ.
N. MEX.
ALBUQUERQUE 581
FARMINGTON — 5456'
65 S
GALLUP CITY — 6500'
48 S
GALLUP — 6400'
37
WINSLOW — 4837'
75 H L S-396 (118.3)
WINSLOW
266
(116.1)
DEEP LAKE — 8070'
40 L
EL MORRO
353
(116.1)
ACOMITA
371
(116.1)
JOSEPH CITY
255
78
258
74
254
101
63
METEOR CRATER
ALBUQUERQUE
LOS ANGELES
160
191
168
340
344
348
132
40
42
HOLBROOK — 5250'
40 L
HOLBROOK MUNI.
40 S
EL MORRO — 7114'
42 L S
ACOMITA — 6575'
45 L S
HARRY A SAUNDERS — 6560'
40 S
111°
110°
109°
108°
107° 30'
33°57'
34°
PHOENIX 85 EL PASO 87
SCALE OF MILES
25 0 25 50
• DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION

RADIO — ARIZONA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM	(- - -)	FM, 243°,18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-VDT	(4), 116.1
Winslow Airport	396 (118.3)	C, 160°, 1.5	(4),118.3,131.9,126.18 (6-18)
NEW MEXICO			
ACOMITA (Int.)	371(AK)(116.1)	BMLZ-VDT,254°,1.9	(4), 116.1
EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-VDT,5°,0.1	(4), 116.1
UTAH			
HANKSVILLE Int	109.1(HY)(111.1) (116.1)	VAR-VDP,314°,2.8	Not manned cont. (3) on req,3117.5;116.1, 131.7,129.7

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1.4 NE;hwy W	4200	50	
★ Deep Lake Int,54A, LA-AQ	1.5 W;hwy E	6070	40 L3	Poles S.
Holbrook	2.2 NNE;RR SE	5200	48 S4	80 oct.
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L3	
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S1	Ltd 80 oct.Hills SW
Saunders, Harry A. (St. Johns)	1.1 NNW,hwy S	5560	48 S2	80 oct.25' poles NE
Window Rock(NC)	0.8 SSW;rd N	6800	52	Bluffs ENE,NNE
(P) WINSLOW	2 SW;RR N	4937	75h R2 L5 S1	91 oct.
COLORADO				
(P) Cortez	3.1 SW;hwy E	6000	50 S4	80 oct.
Dove Creek	0.6 E;creek W	7000	41 S1	80 oct. Pwr line SSW
(P) Durango	1.5 NE	6875	47 S6	80 oct.
Mancos (NC)	1.4 NNE;RR S	7500	30	
→ Montrose Mun.	1.3 S,RR NE	5800	33 S4	80 oct..
→ Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.
→ Montrose	1.5 NNW;hwy S	5780	58 S2	80,91 oct.
Nucla	2.3 SSW,riv S	5910	36	

NEW MEXICO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy N	6575	41 R1 L3 S1	73,91 oct.In emerg.
Cubero (NC)	2.4 W;hwy S	6200	30	Pole line S. 11,000' mtns N.
★ El Morro Int,59B, LA-AQ	4.5 WSW;lake NW	7114	42 R1 L3 S1	Ltd 91 oct. Rough.
Farmington	1.4 NW on mesa	5455	65 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Poleline SSW
Gallup City	2.6 WSW;RR N	6500	48 S4	80 oct Pole line WSW.
Indian Service (Shiprock) (NC)	1.8 SSW,riv N	5100	19	Pole line NW.
Aztec (NC)	2.2 NW on mesa	5700	28	Emerg only.
UTAH				
★ Hanksville Int,54, LA-DV	4 NE	4455	60 L3	
→ Monument Valley (Goulding Trading Post) (NC)	0.5 N hwy E	5284	30	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC) Not charted. → NEW OR REVISED DATA.

RADIO — COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COLORADO SPRINGS (Peterson)	224 (CD)	MRLWZ.166°,3.9	
FOUNTAIN FM	(- - - -)	FM;344°,32.7	Pueblo
→ LA JUNTA AAF	281(LH)(116.1)	SBMRLZ-VDT,194°,2.6	(4);116.1
PETERSON FIELD(Colorado Springs)	272 (126.18)	CA	(4);116.1,126.18
→ PUEBLO	302 (PU)(116.1)	SBRAZ-VDT;340°,.2	(4);116.1
→ TRINIDAD	329 (TD)(116.1)	SBMRAZ-VDT,170°,3	(4);116.1

RADIO — NEW MEXICO

ALBUQUERQUE (Kirtland)	230(AB)(116.1)	SBRAZ-VDT;354°,3	(3); 116.1
ANTON CHICO (Int)	219(AC)(116.1)	MHVT	(4); 116.1
CLOVIS (Army)	203 (DCV)	BMRAZ;34°,6.2	(3)
→ Clovis AAF	526 (DCV)+	HW-DT; 130°,1.6	
JUAN TOMAS FM	(- -)	FM; 71°, 18	Albuquerque
→ KIRTLAND FIELD (Albuquerque)	278(126.18,118.7)+	AC (ILS)	(4);126.18.118.7.131.9
LAS VEGAS	359(VH)(116.1)	SBMRAZ-VDT;80°,3.2	(4);116.1
MAXWELL FM	(- -)	FM, 170°, 54	Trinidad, Colo.
OTTO (Int.)	290(OT)(116.1)	BMRLZ-VDT;74°,0.2	(4); 116.1
PERALTA FM	(- - -)	FM, 174°, 11.6	Albuquerque
SANTA FE (New)	206(SJ)(116.1)	MHVT	(4); 116.1
SOCORRO	206(OS)(116.1)	MHVT	(4); 116.1
TUCUMCARI	212(YC)(116.1)	SBMRAZ-VDT;76°,2.2	(4); 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Kirtland, N.M.	110.3		349° Mag.	IM-	MM- -·-· .64	OM- -- 4.32
					MMK-	OMK-

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker, (3) 3105, 4495, 6210 kcs, (4) 3105, 4495, 6210, 31175 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116 1, 137 88, 140 58 mcs

AIRPORTS — COLORADO

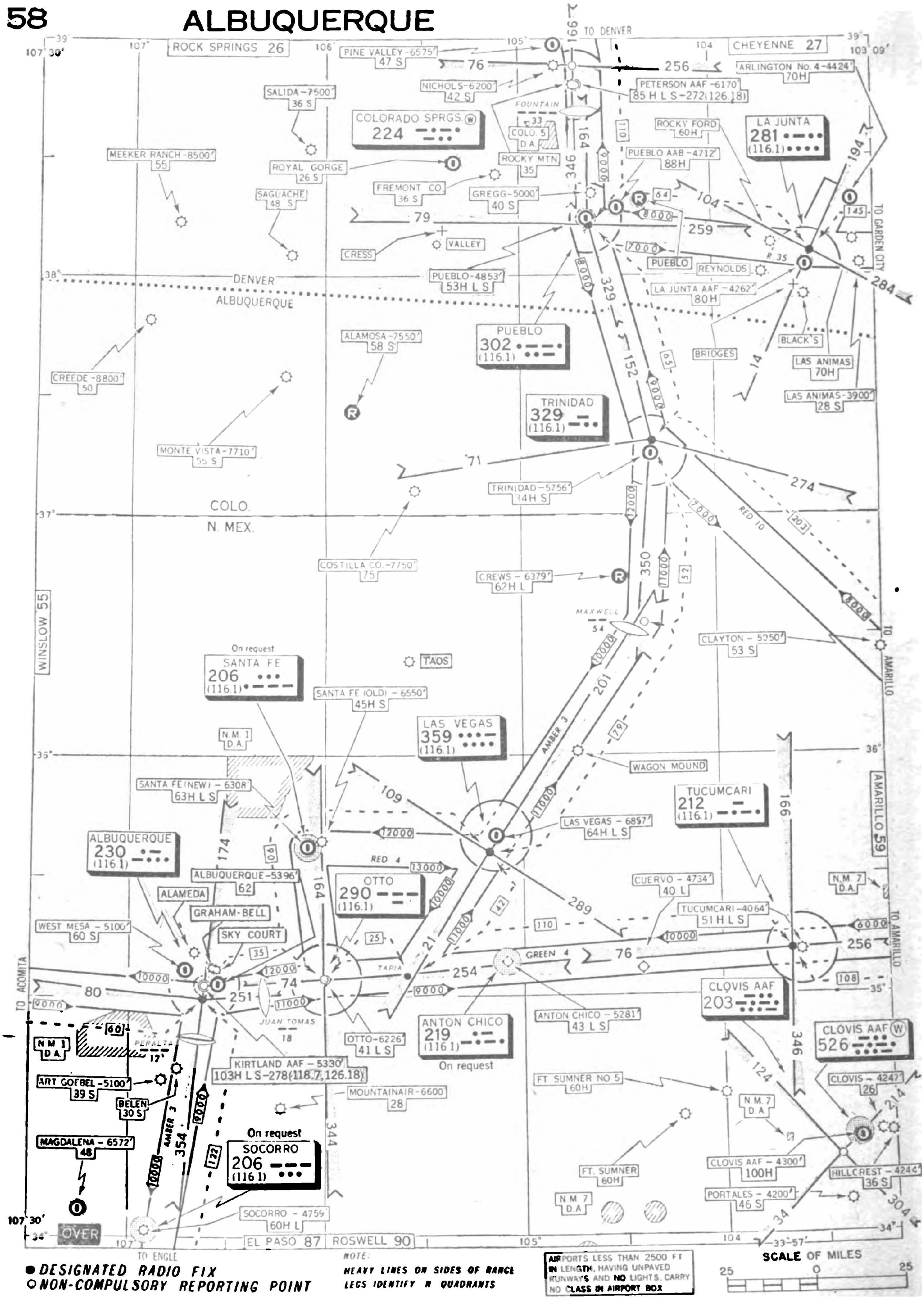
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamosa	2 S; hwy W	7550	58 L3 S4	80 oct. Pld lgts prior req.
(A) Arlington #4(La Junta)(A)	28 NNE	4424	70h	Arlington 3.3 WNW. C-L-O-S-E-D.
Black's (La Junta)	4.8 S;riv S	4250	21	
Costilla County(Mesita)	4 E; RR W	7750	75	
Creede	2 SSE;hwy NW	8800	50 S2	No fuel. Rough off strips.
Cress (Westcliff)	6 W	8000	30 S1	80 oct. Pole line E.
Fremont Co. (Canon City)	6.9 E; riv S	5350	36 S2	80 oct.
Gregg (Pueblo)	6 N;RR,hwy E	5000	40 S1	80 oct.
(A) La Junta AAF (A)	4.4 NNE;rd W	4262	80h R1	INACTIVE.
La Junta Bridges (La Junta)	3 SW; hwy E		30 S1	80 oct. Data not verified.
Las Animas	1.4 S; RR N	3900	28 S4	80 oct. Poles W.
Las Animas (La Junta)	19 NE	4119	70h	Las Animas 5.9 SSE.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	
Monte Vista	3.5 W; RR N	7710	55 S4	80 oct.
Nichols (Colorado Spgs)	2.8 NNR;hwy W	6200	42 S6	80,91 oct. Pole line SE,NE,N.
Ordway (NC)	0.9 S; RR N	4300	40	NOT MAINTAINED.
(A) PETERSON (Colorado Spgs)	6.3 E; hwy N	6170	85h R2 L5 S6	73,91,100 oct. No sto. (A)
Pine Valley(ColoradoSpgs)	9.2 N; hwy E	6575	47 S6	80,91 oct. Poles E,W,NNW.
(P) PUEBLO	2.1 SW	4853	53h R1 L5 S6	80,91 oct.
(A) Pueblo AAB (A)	7 NE; RR S	4712	88h	INACTIVE.
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	Pole line NE
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 S.
Rock Mtn.(Colorado Spgs)	6 ESE	6100	35 S2	No fuel.
Royal Gorge(Canon City)	6.4 NW; hwy N	6320	26 S2	80,91 oct. Pole lines N.
Saguache	2 W; hwy NE	7700	48 S1	80 oct.
Salida	4 W; RR S	7500	36 S2	80 oct.
Trinidad	10.5 ENE;hwy E	5756	34h R1 L1 S2	80 oct. Use rnwys only.
Valley (Silver Cliff)	0.7 ESE;hwy W	8000	40	

AIRPORTS — NEW MEXICO

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Alameda (Albuquerque)	7.4 N; RR E	5400	37	
Albuquerque	6.3 ESE;hwy N	5429	62	RFC surplus acft fld.
★ Anton Chico Int,78A,LA-AQ	4.5 SE; hwy E	5281	43 R1 L3 S1	91 oct.
Art Goebel (Belen)	3.2 W; RR E	5100	39 S1	Ltd 73 oct.
Belen Air Strip	2.7 N; RR E	5000	30 S1	73 oct.
Clayton	1.5 E; RR S	5050	53 S2	73 oct.
Clovis	0.8 NW;RR S	4247	26	
A) Clovis AAF (A)	6.5 W; RR N	4300	100hR1	CLOSED.
P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	62h L2	
★ Cuervo Int,81B,LA-AQ	5 N	4734	40 L3	Poles W, lgtd.
Cutter-Carr #2 (Albuquerque)	3.6 NE; RR W	5120	46	Pole line ENE. (NC)
Eagle Nest Lndg Strip(NC)	1 NE	8450	40	11,000' mts NE. Use in emergency.
Pt. Sumner	1.5 NNE;RR S	4166	60h	
" " #5	16 ENE	4830	60h	
Graham-Bell(Albuquerque)	4.5 ENE	5400	27 S6	73,91 oct.
Hillcrest (Clovis)	2.1 E; RR S	4244	36 S4	73 oct. No sto.Pole line S.
→ Holbrook's (Cuervo)(NC)	0.8 NE; RR S	4810	19	300' mt. SE
A) KIRTLAND (Albuquerque)(A)	3.8 SSE; rd N	5330	103hR3 L6 S6	73,91,100 oct. JP-1. No sto.
LAS VEGAS	6 NE; RR W	6857	64h R1 L5 S6	80,91 oct.
Magdalena	0.8 N; RR S	6572	48 S1	Ltd 73 oct. Pole line SW.
Maxwell (NC)	1.7 N; hwy E	6000	36	
Mountainair	1.1 NNE;RR S	6600	28	Pole line N.
★ Otto Int,74,LA-AQ	5.8 N Moriarty	6226	41 R1 L3 S1	Ltd 80,91 oct.
Portales	4.5 SW;RR NNW	4200	46 S1	73 oct.
Roy (NC)	1.5 N; RR W	5900	26	PRIVATE
SANTE FE (new)	5.8 WSW;hwy SE	6308	63h R1 L5 S1	91 oct airlines. Poles E.
" (old)	6.3 SW;hwy E	6550	45h S6	73,80 oct;91 oct in emerg.
Sky Court (Altuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct. No sto.
Socorro	2.5 S; hwy E	4759	60h R1 L5	Use rnwys only.
Taos	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW.
Tucumcari	7 E;hwy,RR S	4064	51h R1 L5 S6	80,91,100 oct.
Wagon Mound	0.6 WNW;RR E	6500	21	Fence N; mts SE, W.
West Mesa (Albuquerque)	3.8 W; hwy S	5100	60 S6	73,80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) (NC)-Not charted. → NEW OR REVISED DATA

ALBUQUERQUE

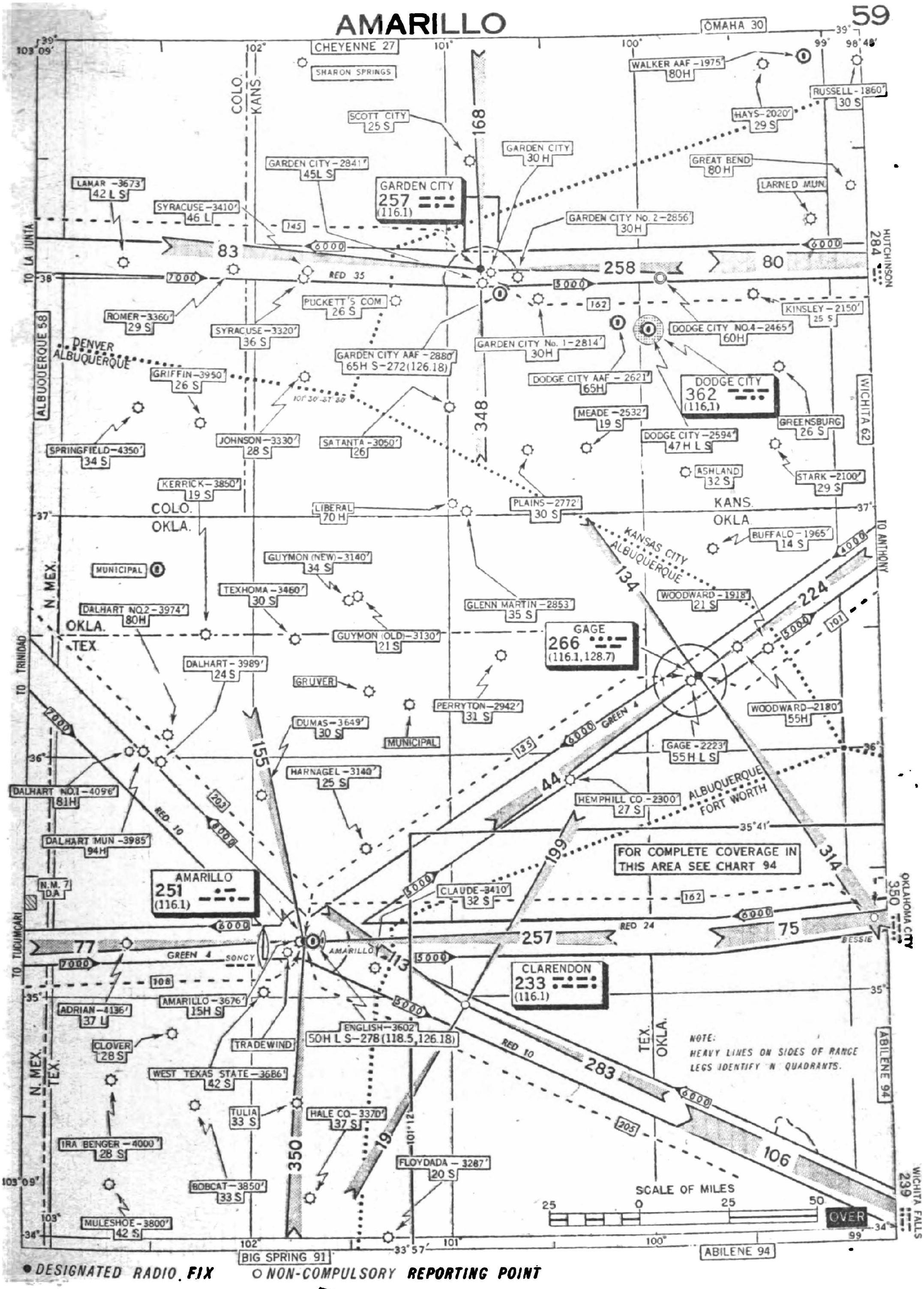


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS

AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX

AMARILLO



● DESIGNATED RADIO FIX ○ NON-COMPULSORY REPORTING POINT

KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
→ DODGE CITY	362 (OD)(116.1)	MHVT	(4) -116.1
→ GARDEN CITY	257 (GK)(116.1)	SBRAZ-VDT	(4):116.1
Garden City AAF	272 (126.18)	CA;160°,3.75	(4): 126.18 (8-17)

OKLAHOMA

GAGE	**266 (VM)(116.1)**	**SBRAZ-VDT,224°,2.1**	(4): 116.1

TEXAS

→ **AMARILLO**	251 (AQ)(116.1)	SBRAZ-VDT,77°,2 to English Fld	(3): 116.1
AMARILLO LFM	(-)	LFM, 77°, 4.9	Amarillo
CLARENDON	233 (CP)(116.1)	BMRL-VDT, 199°,2	(4), 116.1
ENGLISH FIELD (Amarillo)	278 (118.5) (126.18)	AC (ILS)	(4):126.18,118.5,131.9
SONCY FM	(- - -)	FM, 257°, 11.5	Amarillo

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ENGLISH, TEX.	110.3	335	209° Mag.	IM	MM ·-·- (.62)	OM — — (4.35)
					MMR	OMR

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army, A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

COLORADO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Griffin (Walsh)	0.7 N,RR S	3950	26 S6	80 oct. Poles S.
Lamar,10,PU-WD	3.7 WSW,RR N	3673	42 L3 S2	80 oct
Romer (Holly)	1.5 SSE,riv N	3360	29 S1	Ltd 80 oct. Pole line SW, NW.
Springfield, Com.	3.8 N,hwy W	4350	34 S1	73 oct. Poles NW, W, SW.
Trading Post (Kit Carson) (NC)	0.8 NW,crk E	4290	40	PRIVATE. Pole line S.

KANSAS

Ashland	1 E, RR S	1940	32 S2	80 oct. Poles S, E.
DODGE CITY	3.5 ENE,RR SE	2594	47h R1 L3 S6	80,91 oct. Fld lgts prior req.
→(A) Dodge City AAF (A)	6 NW, RR S	2621	65h	C-L-O-S-E-D.
→(A) Dodge City No. 4 (A)	17.4 NNE	2465	60h	C-L-O-S-E-D.
GARDEN CITY MUN.	3.3 E,riv S	2841	45 R1 L3 S6	73,80 oct. Lgts prior req.
(A) Garden City AAF (A)	9 ESE,riv S	2880	65h R1 S1	73, 100 oct.
Garden City No. 1	19.5 ESE	2814	30h	
Garden City No. 2	13.4 E	2856	30h	
Garden City No. 3	6 ENE	2917	30h	
Glenn Martin(Liberal)	2 ESE,hwy SW	2853	35 S2	80 oct. Pole line SE,SW.
Great Bend	4.5 WSW	1891	80h	
Greensburg	1 ESE,RR N	2230	26 S1	80 oct. Poles N.
Hays	1.5 E,RR S	2020	29 L S6	80, 91 oct. Port rnwy lgts.
Johnson	0.5 N,hwy W	3330	28 S6	80 oct. Pole line N,NW,NE,S.
Kinsley	1.5 SSE,riv SE	2150	25 S1	80 oct. Pole line W.
→ Larned				ABANDONED.
Liberal	1.5 WNW	2888	70h	
Meade	3 ESE,hwy N	2532	19 S2	80 oct.Use strips only.Pole line N.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii)(NC)-Not charted. → NEW OR REVISED DATA

KANSAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Plains	1.3 NNE,hwy N	2772	30 S2	80 oct. Pole line S, E.
Pucketts Com.(Lakin)	3.5 S,riv N,NW	3050	26 S1	Ltd 80 oct. Trees N.
Russell	2.7 ESE,RR NE	1860	30 S4	80 oct.No sto. Poles N,S,NE.
Satanta	1 N,RR S	3050	26 S2	No fuel.
Scott City	1.3 ESE,hwy N	2980	25 S1	73 oct. Pole line N,NE,NW,SW.
Sharon Springs	1.2 NNW,RR S	3500	32 S1	80 oct. Pole line E.
Stark (Coldwater)	0.7 NE,RR SE	2100	29 S2	80 oct. Poles N,S,E,SE,NE.
Syracuse	1 N,riv S	3320	36 S2	80 oct. Pole line S,SE.
★ Syracuse Int,16,PU-WD	3.7 NNE,hwy W	3410	46 L3	
→(A) Walker AAF (Hays)(A)	12.5 E,hwy S	1975	80h	C-L-O-S-E-D
→ Larned Mun.	1.6 NNE,RR SE	2012	33 S6	80,91 oct.

OKLAHOMA

Buffalo	0.6 NW,crk N	1965	14 S2	80 oct.
(P) Gage	1.8 SW,riv N	2223	55h R1 L5 S1	80 oct.
Guymon (new)	3 SW,hwy N	3140	34 S6	73, 80 oct. Pole lines N, E.
Guymon (old)	0.7 S,RR,hwy W	3130	21 S6	73 oct. Pwr line N, S. No sto.
Municipal (Boise City)	3 N,hwy W	4200	33	
Woodward	7.5 W,hwy S,E	2180	55h	
Woodward (mun.)	1.5 SE,hwy W	1918	21 L1 S6	80 oct.

TEXAS

★ Adrian Int,92B,LA-AQ	4.2 SSE,RR N	4136	37 L3	
Amarillo	6 ENE,RR NW	3676	15h S6	73 oct. Pole line N,S.
Bobcat (Dimmitt)	1.5 E,RR W	3850	33 S2	73 oct.
Claude	1.2 WNW,RR N	3410	32 S1	73 oct. Pole line S,N,NW.
Clover (Hereford)	2.2 NNE,hwy S	3800	28 S2	73 oct. Pole line N,E,SE.
Dalhart	6.2 SSE,RR E	3980	24 S6	73 oct.
Dalhart mun.	3.8 SSW;RR N	3989	94h	
Dalhart No. 1	9.7 WSW;RR,hwy E	4096	81h L	
Dalhart No. 2	5.5 NE,hwy NW	3974	80h	
Dumas	0.7 S,hwy W	3649	30 L S2	73 oct. Poles N.
(A) English (Amarillo)	9 ENE,RR N	3602	50h R3 L6 S6	100 oct. Poleline N,NW.
Floydada	1.2 NNW,RR N	3287	20 S1	80 oct. Pole line S. RR SW.
Hale Co. (Plainview)	1.6 S,hwy E	3370	37 S6	80,91 oct.
Harnagel (Borger)	2.5 SSW,RR N	3140	25 S2	80 oct. Use strips. RR E.
Hemphill Co.(Canadian)	1.5 SW, riv N	2300	27 S2	Ltd 73 oct.
Ira Benger (Friona)	1.8 NE,RR S	4000	28 S2	73 oct.
Kerrick	1.5 N, RR SW	3850	19 S1	80 oct. Pole line SW.
Muleshoe	1 ENE,hwy N	3800	42 S1	73 oct.
Municipal (Spearman)	0.8 NW,RR SE	3104	30	Pole line.
Perryton	3 ENE,hwy N	2942	31 S2	73 oct. Pole line E.
Texhoma	1 SSW,RR N	3460	30 S2	73,91 oct. Pole line N.
Tulia	1.5 NNW,RR W	3500	33 S1	73 oct. Pole line NE,E,SE.
West Texas State (Canyon)	3 N,hwy E	3686	42 S6	73 oct. 20′ Poles SE.
Tradewind (Amarillo)	1.5 SE	3636	30 S6	Data not verified.
Gruver,Tex.	0.7 WNW,RR E	3200	40 S1	80 oct.P-line W,E,SE,SW.

RADIO — KANSAS

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS: GUARDED, HRS. OF OPER., REMARKS
ANTHONY	382 (AY)(116.1)	MHVT	(4);116.1
CASSODAY (Int.)	239 (CY)	MHT	(4)
HUTCHINSON	284 (HN)	SBMRLZ-DT;350°,3.4	(4)
Hutchinson NAS			DECOMMISSIONED
KECHI FM	(- - - -)	FM, 341°,10.6	Wichita
OXFORD FM	(- -)	FM; 167°, 27	Wichita
SALINA	108.3 (NS)	VARW	
SMOKY HILL (Salina)(Army)	344 (DSN)	BMRLZ-DT	(4)
Smoky Hill AAP	396(116.1)(126.18)	CA(ILS);170°,5.05	(4); 116.1,126.18
TOWANDA FM	(-)	FM, 46°,18.8	Wichita
VIOLA FM	(- - -)	FM, 226°, 24.7	Wichita
WICHITA	332 (WD)	SBRAZ-DT	(3)
Wichita Airport	278(126.18)(118.7)	AC(ILS);167°, 1.0	(4);131.9,126.18,118.7

OKLAHOMA

ENID(Army)	209 (END)	BMRLZ	(3); 126.18
Enid AAF	396 (126.18)+	CA; 214°,3.7	(3); 126.18
PHILLIPS APPT(Bartlesville)	278	CT	3105 (On req)
PONCA CITY	368(PC)(116.1)	MHVT	(4); 116.1
RED FORK FM	(- - -)	FM, 325°,13.7	Tulsa
SKIATOOK FM	(- - - -)	FM, 298°,17.8	Tulsa
TULSA AIRPORT	278(126.18)(118.5)	AC	(4);131.9,118.5,126.18

INSTRUMENT LAND-ING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
SMOKY HILL AAF, KANSAS	109.9	333.8	123° Mag.	IM (.19)	MM ------ (.89)	OM -- (4.20)	
					MKR	OMK	
WICHITA, KANS.	110.3		2° Mag.	IM ------ (.05)	MM	OM -- (5.37)	
					MKR	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S transmits on and guards 116.1 137.88 140.58 mcs

AIRPORTS — KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abilene	1.7 WSW; RR N	1100	29 S6	80 oct. Trees E;pole line SE.
(P) Anthony,24,AQ-KC	3 WNW; hwy S	1339	48 R1 L3 S6	73,91 oct.
Arkansas City	3.5 S; RR W	1067	28 S6	73, 91 oct.
Arther Airfield (Wichita)	3 SW; RR N	1290	26 L S6	73,91 oct.No sto.Port lgts.
Baird (Arkansas City)	4 W; hwy S	1100	17 S2	73 oct.Poleline S.SW.Poles S
Beech (Wichita)	6 E; hwy N	1378	46h	Factory use only.
Caldwell	1.2 E; RR W	1140	21 S2	73 oct. Poles E, S
Cannon Ball (Wichita)	6.5 WSW;hwy N	1300	24 S6	80 oct. No sto.Pole line N.
★ Cassoday Int,34,AQ-KC	1 SSE; hwy W	1480	32 R1 L3	Twrs S.
Cessna Aircraft (Wichita)	4.5 SE; hwy W	1369	53 S1	80 oct.
Clothier (Cedar Point)	4 SSW;creek E	1320	20 S2	73 oct.
Culver (Wichita)	4 N; hwy W	1320	15h	
Derby	1 NNE; RR W	1305	24 S1	73 oct. Poles N.
El Dorado	3.6 SE; hwy W	1400	25 S6	80 oct, Soft, wet weather.
Ellinwood	1.5 NW; RR S	1790	26 S1	73 oct. Poles N.
Emporia	5.4 S; hwy E	1200	26 S6	80 oct. Poles E,SE,NE.
Eureka	3.2 E; RR N	1100	21	Pole line S.
Frasier (El Dorado)	2.5 S; riv W	1300	25 S6	80 oct. Poles E, NE.
Giffin-Orton (Hoisington)	1.3 NE; hwy S	1870	25 S2	80 oct. Poles S.
Great Bend Airpark	1.6 NNE; RR W	1850	26 S2	80 oct. Poles W.
Herington	1.5 SE; RR W	1450	17 S2	73 oct. Pole line N.
(A) Herington AAF (A)	7.5 ENE	1485	69h	INACTIVE.
Hilltop (Augusta)	2 NE; RR SE	1260	20 S1	73 oct.
Holyrood	0.5 ESE; RR N	1820	17 S1	73 oct. Poles N.
Hutchinson,com	5.5 W; riv NE	1605	20 S4	80 oct.
(P) HUTCHINSON,MUN.	4 ENE; hwy S	1542	70h R1 L5 S6	80,91 oct.
(N) " NAS (N)	8.9 S;RR NNE	1582	70h	INACTIVE.
Ken-Mar (Wichita)	3 ENE; RR N	1375	23 L S6	80 oct.No sto.Port rnwy lgts.
Kingman	1.5 NNW;RR SW	1600	26 S1	73 oct.Trees S,SW. Obsts
Kiowa Flying Serv.(Kiowa)	2.5 WNW; RR S	1375	19 S1	80 oct. Pole line NNW,SSW.
Lyons	1.4 W; hwy N	1950	26 S6	80 oct. Pole line N.
McPherson	4 NNE; RR W	1500	26 S6	80 oct. Soft when wet.Poles E.
Marion	1.8 ESE;RR W	1370	36 S2	80 oct. Pole line SE.
Medicine Lodge	2.1 SE; RR S	1520	33 S2	80 oct.
Moundridge	2.2 WNW; RR NE	1485	17 S2	Ltd 80 oct. Poles W.
Newton	4 ENE; rd S	1527	70h S6	80,91 oct.Pole line W,N.
Pratt Mun.	2.5 ENE;hwy S	1916	25 S6	73,80 oct.
Pratt	4 N; hwy E	1960	80h	
Rawdon (Wichita)	6.7 E; hwy S	1396	26 L S6	73 oct.Port rnwy lgts.
Riverside (Wichita)	4 NNW; riv E	1310	26 S1	80 oct. Poles sur fld.
Salina	2.5 SE;riv W	1275	26 S6	80,91 oct.
Sky Village (Salina)	6.6 WSW;RR SE	1270	20 L S2	80 oct.Port rnwy lgts.Pole line
(A) Smoky Hill AAF(Salina)	4.5 SW; RR E	1283	100hR3 L5 S4	73,91,100 oct. No sto. (A) S.
South (Winfield)	14 SSW	1230	40h	
Stafford	2.6 WSW;RR N	1889	26 S6	80,91 oct. Poles N, S.
Strickland (Hazelton)	2.6 E; RR S	1310	26 S6	73,80 oct. Poles E, N.
(P) Strother (Winfield)	5 SSW;hwy S	1150	58h	
University (Wichita)	5 NE; RR N	1350	27 L S6	80,91 oct,Port rnwy lgts.Pole line E.
Walters (Sedan)	8 N; hwy W	1000	26	PRIVATE.
Wellington	3.5 N; RR W	1290	23 S2	80 oct. Pole line W,E,S.
(A) WICHITA	5.3 SE; hwy W	1373	75h R3 L6 S6	80,91,100 oct.50' pole N.
Wilson (Wichita)	7.5 NE;RR N	1410	29 S6	73 oct. No sto.
Winfield	2 E; RR S	1200	22 S2	73 oct.Lgt acft only.Pwr lineN.
Wright Arpk (Abilene)	1 SSE; riv S	1150	13 S1	80 oct. Trees S, E.
Janssen Skytel (McPherson)	1.5 SW;hwy N	1500	22 S6	80 oct Hi-line W; poles E

OKLAHOMA

Alva	1.4 S; RR N	1320	26 S1	73 oct.
Bartlesville	4 E; rd S	720	34 S6	80 oct.
Blackwell	1.7 W; RR N	1000	32 L4 S6	80 oct.
Brown (Tulsa)	6 SE	735	31 L S6	80,91 oct.Port rnwy lgts.Pole NW
Central (Edmond)	2.6 NNE;RR W	1211	24 S1	73 oct.
Commercial (Tulsa)	5.4 SSE;hwy N	700	29 S6	73,80,91 oct. Trees SW.
(P) Cushing	2 S; RR E	913	52h L5 S6	73,80 oct.
(A) Enid AAF (A)	4 SSW; RR E	1287	55h R2 L5 S4	73,100 oct.
(A) Great Salt Plains (Jet)	6 NNE;dam 1 N	1200	55h L5	(A)
★ Guthrie Int,21,FV-WD	2 SSE;hwy W	1052	26 L3 S6	80 oct.
Jimmie Ray (Cherokee)	1.5 E; RR SW	1200	26 S1	80 oct, Trees S.
Kell-Air (Thomas)	1.2 SW; RR N	1730	24 S2	80 oct.
Kingfisher	1.3 NW; RR W	1060	24 S6	73 oct.
Kittenbrink (Jefferson)	2 E. RR W	1100	23 S2	80 oct. Trees N.
Newkirk Skypark	2.5 SE; RR SW	1140	32	Pole N, NW.
North (Enid)	3.8 N; RR E	1265	26 S6	80 oct.
Pawhuska	3.8 W; RR E	1000	27 L S1	80 oct.Port rnwy lgts, Pole line NE.
(A) Perry (A)	6.6 N; hwy W	1008	52h	C-L-O-S-E-D.
Phillips (Bartlesville)	1.7 WNW;hwy S	750	35h R1 L4 S2	80,91 oct.
PONCA CITY	2.3 NNW;RR S,E	998	36h R1 L4 S6	73,87 oct. Antenna bet twr and
Sapulpa	1.5 ENE;RR W	730	26	Pole line S. hangar, lgtd.
(P) Stillwater #1	3.2 NNW;hwy E	985	50h L3	
" #2	5.6 SSE;hwy W	980	29 S6	73,80 oct.
★ Stroud Int,29A,AQ-LS	3 N; hwy W	883	27 L3	Pole line W lgtd.
Tonkawa	1.6 S;riv NW	1000	25 S1	73 oct. Pole line S, E.
(A,N) TULSA AIRPORT	6.2 NE;RR S	674	71h R2 L5 S6	73-100 oct, NATS,NAPC.
Tulsa North (Tulsa)	4.5 NNW;RR E	700	25 S2	80,87 oct.Poles S,SW,SE.
University (Langston)	1 S; rd N	1025	26	Bldg SE corner.
Watonga	1.2 NW;riv SW	1460	16 S6	80 oct. Poles S.
White Brothers (Lamont)	2 WSW; RR E	1000	25 S1	73 oct.
(P) Woodring (Enid)	5 ESE; RR NW	1159	65h L S2	80 oct. Port rnwy lgts prior req.
Mauks (Blackwell,Okla)	2.7 S; hwy W	987	26 S4	80 oct, Pole line E.

h-hard surfaced runways. R-radio facilities L-lighting facilities S-servicing (See page viii)(NC)-Not charted. → NEW OR REVISED DATA

62 WICHITA

(R) EXTREMELY HAZARDOUS (O) USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

98°48' 98°30' 39° 95°52'

AARON 309 7000 CONTROLLED DALY BETWEEN 4500 AND 8500 (1 M.S.L.)

OMAHA 30 TO KANSAS CITY

WRIGHT RED 1 3000 165 D A

80 A N 251 BLUE YELLOW 260

DENVER KANSAS CITY

BLUE YELLOW 71 SKY VILLAGE (O) SALINA ABILENE

SMOKY HILL AAF 344 D A

SALINA (VHF) (W) 108.3

(O) HERINGTON AAF HERINGTON

135 D A

STATUTE MILES 0 20

HOLYROOD

SMOKY HILL AAF 396 (126.18, 116.1)

GIFFIN ORTON 38°30'

341 350

McPHERSON (O)

30 ELLINWOOD LYONS JANSSEN (O) MARION

GREAT BEND ARPK

HUTCHINSON 284 188 MOUNDRIDGE CLOTHIER EMPORIA 4000 LEBO 311 47

162 95

HUTCHINSON COM HUTCHINSON MUN 161

RED 35 6000

GARDEN CITY 257

258 80 260 NEWTON On request 38°

CASSODAY 239

5000 NEWTON

STAFFORD NAS, HUTCHINSON (O) 28 125 TOWANDA 19 226

KECHI 11 WILSON CASSODAY

CULVER RIVERSIDE UNIVERSITY KEN-MAR CANNON BALL ARTHER EL DORADO FRASIER HILLTOP RAWDON BEECH CESSNA ACRFT. DERBY EUREKA

PRATT PRATT MUN KINGMAN

WICHITA 278 (118.7, 126.18)

WICHITA 332

37°30' VIOLA 25 TULSA 63

AMARILLO 59 4000 46 GREEN 4 WELLINGTON

MEDICINE LODGE 64 42 347 OXFORD 27 WINFIELD WALTERS

STRICKLAND ANTHONY KIOWA ANTHONY STROTHER

BAIRD SOUTH ARKANSAS CITY KANS. OKLA. KANSAS CITY ST. LOUIS

37° CALDWELL FORTLAND 37°

ANTHONY 382 (116.1) On request

EAGE 266 224 4000 BLACKWELL NEWKIRK (O) BARTLESVILLE

101 GREAT SALT PLAINS BOMBING RANGE AAF PHILLIPS 278

ALVA JIMMIE RAY KITTENBRINK WHITE BROS MAUKS TONKAWA PONCA CITY 118 PAWHUSKA

BLUE 5 BLUE 22 TULSA 245 3000

124 214 PONCA CITY 368 (116.1) On request 95 TULSA 278 (118.5, 126.18)

36°30' NORTH SKIATOOK 18 36°30'

ENID AAF (R) 209 116 WOODRING (O) PERRY

ENID AAF 396 (126.18) 34 304 180

TULSA NORTH (O)

STILLWATER NO. 1 RED FORK 14

STILLWATER NO. 2 94 4000

36° OKLAHOMA CITY 350 CUSHING BROWN

KANSAS CITY FORT WORTH UNIVERSITY AMBER 4 45 COMMERCIAL

WATONGA KINGFISHER 1000 GUTHRIE STROUD SAPULPA

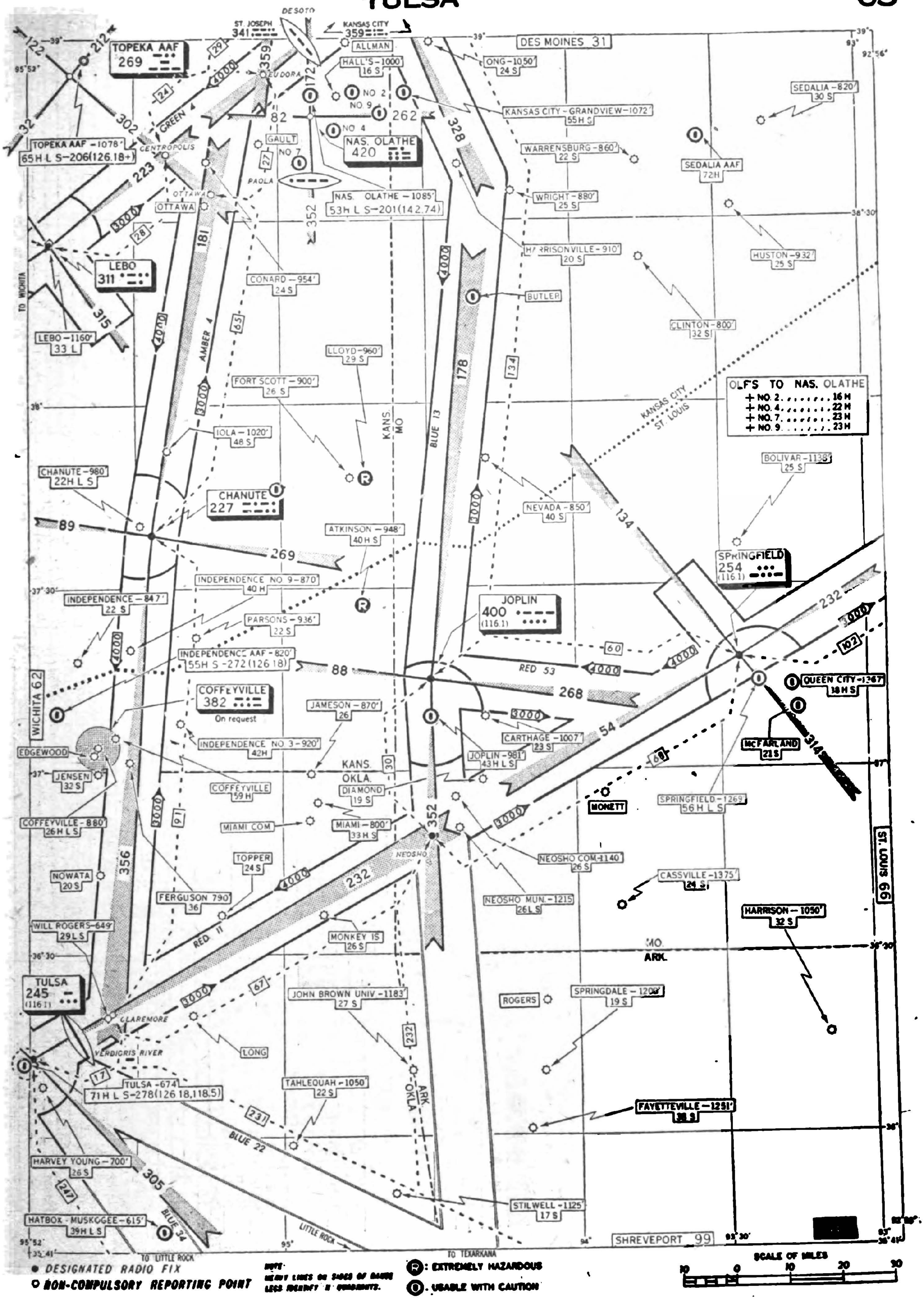
KELL-AIR 3000

98°48' 98° 97° 96°30' 96° 95°52'

35°41' ABILENE 94 FORT WORTH 95 CENTRAL TO NEWALLA 35°41'

OVE

TULSA


DESOTO
ST. JOSEPH 341
KANSAS CITY 359
ALLMAN
HALL'S – 1000' 16 S
NO 2
NO 9
NO 4
NO 7
GAULT
EUDORA
GREEN
CENTROPOLIS
PAOLA
OTTAWA
TOPEKA AAF 269
TOPEKA AAF – 1078' 65 H L S–206(126.18+)
NAS. OLATHE 420
NAS. OLATHE – 1085' 53H L S–201(142.74)
DES MOINES 31
ONG – 1050' 24 S
KANSAS CITY – GRANDVIEW – 1072' 55 H S
WARRENSBURG – 860' 22 S
WRIGHT – 880' 25 S
HARRISONVILLE – 910' 20 S
BUTLER
SEDALIA – 820' 30 S
SEDALIA AAF 72H
HUSTON – 932' 25 S
CLINTON – 800' 32 S
LEBO 311
LEBO – 1160' 33 L
CONARD – 954' 24 S
LLOYD – 960' 29 S
FORT SCOTT – 900' 26 S
IOLA – 1020' 48 S
AMBER 4
KANS. MO
BLUE 13
178
134
OLFS TO NAS. OLATHE
+ NO. 2 . . . . . 16 H
+ NO. 4 . . . . . 22 H
+ NO. 7 . . . . . 23 H
+ NO. 9 . . . . . 23 H
KANSAS CITY ST. LOUIS
BOLIVAR – 1138' 25 S
CHANUTE – 980' 22H L S
CHANUTE 227
ATKINSON – 948' 40 H S
NEVADA – 850' 40 S
SPRINGFIELD 254 (116.1)
INDEPENDENCE NO 9 – 870' 40 H
INDEPENDENCE – 847' 22 S
PARSONS – 936' 22 S
INDEPENDENCE AAF – 820' 55H S –272(126.18)
JOPLIN 400 (116.1)
RED 53
QUEEN CITY – 1367' 18 H S
COFFEYVILLE 382 On request
JAMESON – 870' 26
INDEPENDENCE NO 3 – 920' 42H
CARTHAGE – 1007' 23 S
JOPLIN – 981' 43H L S
MCFARLAND 21 S
EDGEWOOD
JENSEN 32 S
COFFEYVILLE 59 H
DIAMOND 19 S
COFFEYVILLE – 880' 26H L S
MIAMI COM
MIAMI – 800' 33 H S
SPRINGFIELD – 1269' 56 H L S
MONETT
NEOSHO COM – 1140' 26 S
CASSVILLE – 1375' 24 S
TOPPER 24 S
NOWATA 20 S
FERGUSON 790' 36
NEOSHO MUN. – 1215' 26 L S
HARRISON – 1050' 32 S
WILL ROGERS – 649' 29 L S
MONKEY IS 26 S
MO. ARK.
TULSA 245 (116.1)
JOHN BROWN UNIV – 1183' 27 S
ROGERS
SPRINGDALE – 1208' 19 S
CLAREMORE
VERDIGRIS RIVER
LONG
TULSA – 674' 71 H L S–278(126.18,118.5)
TAHLEQUAH – 1050' 22 S
ARK. OKLA.
FAYETTEVILLE – 1251' 38 S
HARVEY YOUNG – 700' 26 S
HATBOX – MUSKOGEE – 615' 39H L S
BLUE 22
BLUE 24
LITTLE ROCK
STILWELL – 1125' 17 S
SHREVEPORT 99
TO LITTLE ROCK
TO TEXARKANA
ST. LOUIS 66
WICHITA 62
TO WICHITA
KANS. OKLA.
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF BLUE LEGS IDENTIFY R QUADRANTS.
(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION

KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE	227 (CZ)	SBRAZ-DT, 304°, 2.5	(4)
COFFEYVILLE	382 (KV	RMT	(4)
DE SOTO FM	(- - -)	FM; 224°, 19.6	Kansas City, Mo.
INDEPENDENCE AAP	272 (126.18)	CA	(3); 126.18 (8-20)
LEBO (Int)	311 (LM)	BMRLZ-DT, 336°, 0	(4)
OLATHE (Navy)	420 (NUU)	BMRLZ	
Olathe NAS	201 (142.74)	CA; 352°, 2.9	(3); 142.74 (8-18)(OCA)
PAOLA FM (Navy)	(. - - -)	FM; 172°, 12	Olathe
TOPEKA (Army)	269 (DTO)	BMRAZ	(4)
Topeka AAP	206 (116.1) (126.18)	CA; 350°, 3.4	(3); 116.1, 126.18

MISSOURI

JOPLIN	400(JM)(116.1)	BMRLZ-VDT, 172°, 6.2	(4); 116.1
SPRINGFIELD (Greene Co.)	254(SX)(116.1)	SBRAZ-VDT, 134°, 4.3	(4); 116.1

OKLAHOMA

TULSA	245(TS)(116.1)	SBRAZ-VDT	(3); 116.1
→ Tulsa Airport	278 (126.18) (118.5)	AC; 225°, 1	(4); 131.9, 118.5, 126.18
VERDIGRIS RIVER FM	(-)	FM; 54°, 9.6	Tulsa

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Berryville (NC)	1.3 WNW;RR E	1150	13	Trees S.Cattle on fld.
Fayetteville	3.8 S;RR W	1251	38 S6	73 oct.
Harrison	4.1 NW;RR S	1050	32 S1	80 oct.
Rogers	2.7 N;RR S	1325	32 S1	80 oct.Pole line SE.
Springdale	0.8 SSE;hwy W	1200	19 S4	80 oct.Pole line NW,SE.

KANSAS

Atkinson (Pittsburg)	2.5 NW;RR W	948	40h L S6	80 oct. Port rnwy lgts.
Chanute	2 WSW;hwy NW	980	22h R1 L4 S6	80,91 oct.
Coffeyville	5 NNE	743	59h	Use rnwys only.
→ " mun.	2 NW;riv E	880	26h R1 L3 S6	80 oct. Poles NW;hi-line SW.
Conard (Ottawa)	3.8 NNE;RR S	954	24 S1	80 oct.Pole line N;hedge S.
Edgewood (Coffeyville)	2.5 WNW;RR E	745	25 S1	80 oct.Pole line E,S.
Ferguson Flying Field (Coffeyville)	5 E;RR NW	790	36	Poles S.
Fort Scott	4.5 SW;hwy S	900	28 S2	80 oct.
Gardner (NC)	1.4 WSW;hwy S	1070	39	
Gault (Wellsville)	0.8 ESE;RR N	1020	20 S1	80 oct.Trees E.
Girard	1.7 WNW;RR E	950	14	Trees E.
Hall's (Olathe)	2.6 SSE;RR W	1000	16 S2	73 oct.Cattle on fld.Pole line N.
Independence	5 N;hwy W	847	22 S4	73,91 oct.Pole line W.
(A) " AAF (A)	5.5 SW;hwy W	820	55h R1 S1	91,100 oct.
" #3	24 ESE	920	42h	
" #9	12.5 NE	870	40h	
(P) Iola	3.2 SSE;rd N	1020	48 S6	73,80 oct.
* Lebo Int,39,AQ-KC	4 ENE;RR N	1160	33 R1 L3	
Lloyd (Ft. Scott)	3.8 SSW;RR SE	960	29 S2	80 oct.Pole line NE.
Mader (Garnett)(NC)	2 WNW;hwy S	1060	26	
→ (N) Olathe NAS (N)	5.2 SW;RR W	1085	53h R2 L5 S6	100 oct.
(N) " OLP #2 (N)	5 SE	1090	16h	INACTIVE.4 W of Stanley.
(N) " OLP #4 (N)	10 S	1090	22h	1.3 SE of Springhill.INACTIVE.
(N) " OLP #7 (N)	16 SSW	940	23h	4.3 W of Hillsdale.INACTIVE.
(N) " OLP #9 (N)	11 SE	1070	23h	1 N of Stillwell.INACTIVE.
Ottawa	5.3 S;RR W	975	32	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111)(NC)-Not charted. → NEW OR REVISED DATA

KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Parsons	2 NW;RR S	936	22 S2	80 oct.Soft in wet weather.
(A) Topeka AAP (A)	6 S;RR W	1078	65h R2 L5 S6	73,91,100 Oct.JP-1. No sto.
Allman (Lenexa)	2.5NNW;hwy N	905	22 S1	81 oct. Hedge E.
Fredonia Mun.	3 NNE;RR E	880	26 S1	80 oct.
State Line Arpk(Stanley)	3.8 NE;RR E	1000	22 S1	80 oct. Poles E;trees N,W.

MISSOURI

Bolivar	1.8 WSW;hwy N	1138	25 S2	80 oct.Poles N.
Branson (NC)	4 W;hwy W	1069	21	Trees SW.
Carthage	2 S;hwy E	1007	23 L S4	80 oct.Part rnwy lgts.Poleline W.SW.
Cassville	3.9 S;hwy E	1375	24 S2	80 oct.Trees SW.
Clinton	2 NE;RR SE	800	37 S4	80 oct.Poles SW,S,E,N.
Diamond	2.1 SSW;RR S	1150	19 S2	80 oct.Pole line N,NE,SE.
(P) Grandview (Kansas City)	16.4 S;RR E	1072	55h L5 S2	80,91 oct.Pld lghts prior req.
(P) SPRINGFIELD	5.5 WNW;RR NE	1269	56h R1 L5 S5	80,91,100 oct. JP-1
Harrisonville	2.1 W;RR N,S	910	20 S1	73 oct. Fld rough.
Huston (Windsor)	4.3 E;hwy N	932	25 S1	80 oct.
JOPLIN	5 NNE;RR N	981	43h R1 L4 S4	80,91 oct.
McFarland (Springfield)	4 SSE;RR S	1310	21 S4	73,80 oct.
Neosho com.	4.8 NNW;hwy W	1140	26 S1	80 oct.Poles SW.
" mun.	2.8 SW;hwy E	1215	26 L3 S2	80 oct.Poles N,antenna E.
(P) Nevada	3 NE;hwy N	850	40 S4	73 oct.Pole line SW,W.
Ong (Kansas City)	9 SE;hwy NE	1050	24 S6	73,80 oct.Pole line N,W.
Queen City (Springfield)	2.1 E;hwy W	1367	38h L5 S4	73-91 oct.Lgts prior req.
Sedalia	6.3 NW;RR S	820	30 S6	80 oct.Poles S.
(A) " AAF (A) (Knobnoster)	2.8 S;hwy N	834	72h	INACTIVE.
Warrensburg	7.3 SSW;hwy E	860	22 S6	80 oct.
Wright (Garden City)	1.4 NNW;hwy SW	880	25 S1	80 oct.Pole line S.
Butler	1.5 N		25 S2	80 oct. Data unverified.
Monett	0.5 NE; hwy S	1462	24 S2	80 oct.

OKLAHOMA

Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S6	80 oct.
Hatbox (Muskogee)	2.7W;fork RRs	615	39h L3 S6	73,80 oct.All lgts prior req.
Jameson (Picher)	4.5 W	870	26	
Jensen (South Coffeyville)	0.5 W;RR S,E	735	32 S4	80 oct.Pole line SE.
John Brown Univ. (Mosley)	3.6 ESE;hwy S	1183	27 S4	80 oct.
Long (Pryor)	2 NNE;RR W	650	16 S2	80 oct.Pole line SW.
Miami	2.2 NNW;RR E	800	33h L4 S2	80,91 oct.
Monkey Island (Afton)	7.8 SE;RR NW	750	26 S1	80 oct. Pole line W.
Nowata	1.6 NNE;RR W	600	20 S1	80 oct.
Stilwell	1.4 N;RR W	1125	17 S2	80 oct.
Tahlequah	4.3 N;rd E	1050	22 S4	80 oct.
Topper (Vinita)	3.9 SW;RR ESE	800	24 S1	73 oct.
(A,N) TULSA AIRPORT	6.2 NE; RR S	674	71h R2 L5 S6	73-100 oct. NATS,NAFC.
Will Rogers,36, AQ-LS (Claremore)	1.5 NE; RR W	649	29 L3 S6	73 oct.

RADIO

ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
WALNUT RIDGE	362 (DWR)	MRLWZ,174°,5	
MISSOURI			
COLUMBIA	379 (CA)	SBRAZ-DT,89°,3.9	(4)
NEW FLORENCE (Int.)	385 (ST)	MHT	(4)
ST. LOUIS(Lambert)	209 (LS)	SBRAZ-DTX,256°.2.2	(4)
ST. PETERS FM	(- - - -)	FM, 273°, 14.2	St. Louis
SPANISH LAKE FM	(- -)	FM, 69°, 7.8	St. Louis
VICHY	344(OM)(116.1)	BMRLZ-VDT,310°, 2.7	(4), 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116 1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

AIRPORT - CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Batesville(Desha)	1 SE,hwy E	400	20 S1	73 oct.Pole line NE.
Biggers (NC)	2 ESE,RR NW	290	45	
Fleeman(Manila)	0.8 S,RR N	240	32 S2	80 oct.Po line N,NE.
John's Air Park (Flippin)	0.3 NNW,RR S	620	11 S1	80 oct.Trees N.
(P) Jonesboro	3.5 ESE:RR N,SW	264	44h S6	80,91 oct.Use rnwys
Manila (Blytheville)	13.5 W,lake E	240	75	
Milltown(Newport)	13 NE	244	45h	
Walcott #3 (Walnut Ridge)	14 ESE	285	45h	1.5 W of Walcott
Walnut Ridge	4 NE,RR SE	275	50h	

ILLINOIS

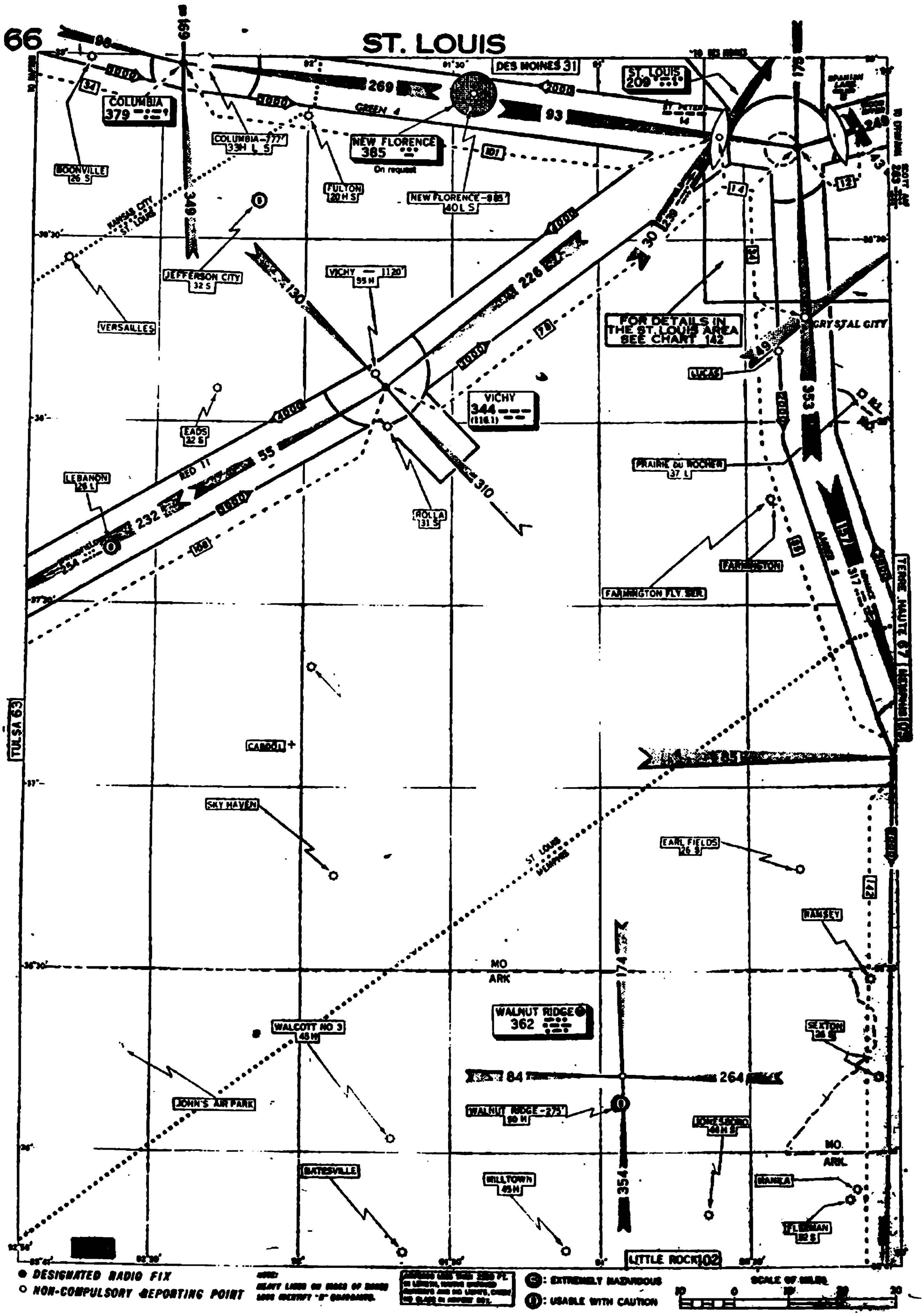
* Prairie du Rocher Int,55, NO-LS	0.5 S,RR NE	390	37 L3	Trees S, N.

MISSOURI

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Boonville	1.5 NNW,riv S	602	16 S4	80 oct.Obsts sur fld.
Columbia	2.4 NW,hwy S	777	33h R1 L3 S5	80, 91 oct.
Eads (Iberia)	1.1 W, hwy NE	960	32 S2	80, 91 oct.
Farmington	1 ESE,hwy N,E		35 S6	80 oct.Data not verif.
Farmington Flying Service	0.8 NNE,hwy S	920	17 S4	73 oct.Poles NW.
Fields (Poplar Bluff)	3.8 ENE,hwy S	325	26 S2	73 oct.Pwr line S.
Fulton	3 WSW,hwy SE	875	20h S2	80 oct.
Jefferson City	2 N, hwy S	550	32 S6	80 oct. No sto.
Kennett (NC)	1.3 E,RR W	260	26	30' poles N.
King (Houston)	0.8 WNW,hwy ESE	1180	15 S1	80 oct. Poles S
* Lebanon Int,54B, AQ-LS	2.5 SSE,hwy E	1380	26 L3	
Lucas (Festus)	1.7 S,RR W	425	16 S2	73 oct.
Mel Adkins (Gravois Mills)(NC)	4.2 SSE,hwy W	950	19.	
* New Florence Int, 17, KC-LS	1 SSE,hwy N	885	40 R1 L3 S1	80 oct.
Ramsey (Campbell)	1.6 SW,RR NW	295	14 S2	Ltd 73 oct.Trees NNE
Rolla	3.5 NE,rd S	1201	31 L S6	80,91 oct.Port rnwy
Sexton (Kennett)	2.8 SW,hwy E	263	26 S2	80 oct. lgts.
Sky Haven (West Plains)	2.4 NW:RR E	1049	22	
Versailles	1.7 ENE,RR N	1050	20 S2	80 oct.Pwrline N,NE, NW.
Vichy	1.5 NNW,hwy SW	1120	55h R1	
→ Cabool (Mo.)	0.8 SW		18 S1	80 oct. Data unver.

h-hard surfaced runway(s). R-radio facilities. L-lighting facilities. S-servicing. (See page X I I) (NC)-not charted. → NEW OR REVISED DATA

ST. LOUIS


COLUMBIA 379
COLUMBIA-FTT 33H L S
BOONVILLE 26 S
NEW FLORENCE 385
On request
FULTON 20 H S
NEW FLORENCE-985 40 L S
DES MOINES 31
ST. LOUIS 209
ST. LOUIS 14
JEFFERSON CITY 32 S
VICHY — 1120 95 H
VERSAILLES
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142
CRYSTAL CITY
LUCAS
VICHY 344 (116.1)
EADS 32 S
LEBANON 29 L
ROLLA 31 S
PRAIRIE DU ROCHER 37 L
FARMINGTON
FARMINGTON FLY. SER.
TULSA 63
CAROL
SKY HAVEN
EARL FIELDS 26 S
RAMSEY
WALCOTT NO 3 45 H
JOHN'S AIR PARK
WALNUT RIDGE 362
WALNUT RIDGE-275 50 H
BATESVILLE
HILLTOWN 45 H
PIGGOTT 44 H S
SEXTON 26 S
MO ARK
DANEVA
FLIPPIN 182 S
LITTLE ROCK 102
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
SCALE OF MILES

TERRE HAUTE 67

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
Ⓡ EXTREMELY HAZARDOUS
Ⓞ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'A' QUADRANTS.

PEORIA · PEKIN · BLOOMINGTON · TO JOLIET · CHICAGO 34 · RUSSELL'S · CHANUTE AAF 365 · CHANUTE AAF 396 (126.1R) · MEDBERY · CLINTON · ILLINI · CHAMPAIGN · UNIV OF ILLINOIS · DANVILLE · VERMILION · HIGHLAND · CORK · ATTICA · LAFAYETTE · CHICAGO CINCINNATI · CHICAGO ST. LOUIS · DECATUR · DECATUR (NEW) · DECATUR PARK DISTRICT · SPRINGFIELD 239 · FLECK'S LAKEVIEW · MC COY · MOODY · COOPER · ALLEN · MIDWAY AVIATION · PARIS · KINGMAN · JORDAN · ILL IND · TERRE HAUTE 248 (116.1) · SPRINGFIELD · TAYLORVILLE · MATTOON · CHARLESTON · PAUL S COX · HULMAN · SHELBY CO. · EFFINGHAM 275 (116.1) · CASEY · EFFINGHAM · HILLSBORO · FOR DETAILS IN THE ST LOUIS AREA SEE CHART 142 · TO JERSEYVILLE · TO INDIANAPOLIS · DES MOINES · ST LOUIS · INDIANAPOLIS · WOOD RIVER · ST LOUIS 209 · VANDALIA MUN. · SMITH AVIATION · EFFINGHAM CO. · HIGHLAND - WINET · JAMESTOWN · LECKRONE · FLORA · SCHILT · GEORGE · O'NEAL · EMISON · WASHINGTON MUN. · WASHINGTON · LINTON · PRESBYTERIAN NO. 3 · CYRIL LEBERT · SCOTT AAF 263 · B AND K FLY SER. · CHARLESTOWN · BECKERMAN · STRAUB · EVANSVILLE 233 (116.1) · MT VERNON · NASHVILLE · WHITE CO. · DU QUOIN · EVANSVILLE 278 (116.5) · HENDERSON · FERGUSON · OWENSBORO · CHESTER · MURPHYSBORO · CARBONDALE · MACARIN · MARION · DENIS · MADISONVILLE · STURGIS · ST. LOUIS MEMPHIS · MEMPHIS 103 · TO LOUISVILLE

OVER

TERRE HAUTE

NAVAIDS

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE (Rantoul)(Army)	365 (DNU)	SBMRAZ	(3), 126.18
→ Chanute Field	396 (126.18)+	CA, 43°, 3.3	(3), 126.18
EFFINGHAM	275 (EF)(116.1)	BMRLZ-VDT,341°,0-Intermediate	(4), 116.1
SCOTT (Belleville)(Army)	263 (DCD)	SBMRAPZ-DT,49°,1.8	(4)
SPRINGFIELD	239 (ZD)	SBMRAZ-DT,113°,2.3	(4)

INDIANA

→ EVANSVILLE	233 (EV)116.1)	SBRAZ-VDT	(3);116.1
Evansville Airport (old)	278 (118.5)	C, 177°, 5.5	(4):126.18,118.5,131.9
TERRE HAUTE	248 (TH)(116.1)	BMRLZ-VDT;182°, 0	(4): 116.1
		Paul Cox	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen (Arcola)	2 W,RR N,E	665	20 S6	80 oct. Pole line N, E.
B & K (Fairfield)	1.4 WSW,RR S	500	21 S2	80 oct. Pole line S.
Beckerman (Mt.Carmel)	4 W,RR S	424	23 S1	80 oct. Pole line N.
(P) Bloomington	3 E,RR N	875	31 S6	80 oct. Pole line N.
Carbondale	0.1 E,lake 2 E	450	20 S4	80 oct. No sto.
Champaign	2 NNW,RR SW	753	28 L S4	73 oct.Range lgts.Appchs blocked.
(A) Chanute (Rantoul)(A)	1 SE,RR W	744	63h R2 L5	73,91,100 oct. JP-1.Pole N.
Charleston	1.3 SW,hwy E	690	26 S6	80 oct.Use marked areas.
Clinton Flying Club	5.5 NE	720	13	
Cooper (Tuscola)	1.6 SW,RR E	650	24 S2	80 oct.Poles NW, SE, NE, E
Cyril Lebert(Lebanon)	0.5 SE,hwy N	440	22 S2	80 oct.Poles N, W, S.
Danville	2.4 SSW,hwy W	640	24 S4	80 oct. Appchs blocked by poles.
Decatur	3.5 E	678	53 S6	80 oct.Strip data unver.
Decatur Park District	4 E,RR,hwy S	679	16 S1	80 oct. Pole line N,SW,NW,NE.
Denis (Muddy)	Adj E	400	27 S1	80 oct.Data unverified.
Du Quoin	1.8 W,hwy S	454	26 S2	73 oct. 25' poles S.
→ Effingham Co. Memorial	3.6 S,hwy W	585	30 S4	80 oct.
* Effingham Int,10,LS-ID	2.5 N,RR E	607	26 R1 L3 S1	73 oct. on req.
Fleck's Lakeview (Rochester)	2.8 W,lake W	580	21 S6	80 oct. No sto. Poles W.
Flora	1.1 WSW,RR N	490	27 S1	80 oct. Trees, poles N.
George (Lawrenceville)	4.5 NE,RR S	428	52h	
Highland-Winet(Highland)	3.6 NE,RR S	535	24	Pole line S.
Illini (Urbana)	2 NNE,hwy SE	740	26 S6	80 oct. Trees E.
Leckrone (Salem)	1.9 NW,hwy S	545	39 S6	80,91 oct. Use strips only.
McCoy (Blue Mound)	5 W	660	16 S2	No fuel.
Macarin (Marion)	4.6 WNW,hwy W	470	35 S6	80, 91 oct.
Marion	1.8 ESE,RR S	430	26 S6	73 oct.
Mattoon	4 E,RR N	720	26 S4	80 oct. Poles W.
Medbery (Armington)	1 NE	650	26	Data not verified.
Moody (Dalton City)	2.2 S,hwy W	680	19 S2	80 oct. Trees E.
Murphysboro	3 N,riv SE		20 S1	80 oct. Data not verified.
Paris	3.5NNW;RR,hwy E	740	30 S1	80,91 oct.Poles SW,S,W.
Pekin	4 S,bet RRs	505	24 S2	80 oct. Pole line W,N, E.
PEORIA	4.8 WSW,rd E	659	44h R1 L1 S6	80,91 oct. Trees W,bldgs NE.
Presbyterian Church No. 3 (St. Francisville)	4 WNW,hwy E	430	45h	
Russell's (Hoopeston)	6.5 WNW,RR S		13	PRIVATE. Data not verified.

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Shelby County (Shelbyville)	1.9 ESE,RR N	677	21 S1	80 oct.
Smith Aviation (St.Elmo)	1.3 SW,RR NW	647	20 L1 S2	80 oct. Poles N, NE.Rnwy data unver
(P) Springfield	3.5 SW,bet RRs	606	31 R1 S6	80,91 oct.Use strips only.
(P) University of Illinois (Champaign)	5.5 SSW,RR E	752	53h S4	80, 91 oct.
Vandalia	4.4 NW	532	39h L2 S2	80 oct.
Vermilion (Danville)	4 E,hwy S	650	21 S2	80 oct. 30' poles S.
White County (Carmi)	1.1 NE, RR S	450	17 S1	80 oct.
Mount Vernon	2.5 ENE,RR S	465	37 L S6	80,91oct.Data unver.Temp port lgts.
Taylorville	1 SW		26 S1	80 oct. Data not verified.
Hillsboro	1 NE	630	25 S4	Inf,not verified
Schilt (Olney)	1.5 E;RR S		30 S1	80 oct.Data not verified.
Nashville	1 E,lake W		20 S1	80 oct. Info unverified.
Casey	1 NW		26 S2	80 oct. Info unverified.

INDIANA

Attica	2 S;hwy W	647	26 S1	80 oct. Data not verified.
Cork (West Lebanon)	4 W		24 S1	80 oct. Obsts NE. Data unverif.
Emison (Oaktown)	3.6 WSW	425	45h	
EVANSVILLE (old)	5 NE;bet RRs	385	60h R2 L5 S4	80, 91 oct. Twr W.
Ferguson (Richland)	0.5 SE		13	Data not verified.
Highland (Perrysville)	2.8 WNW,riv E	585	23 S2	Ltd 73 oct.
(P)HULMAN (Terre Haute)	5 ESE; RR N	585	53h L5	Fld lgts prior req.
Jordan (Bloomingdale)	3.5 N		33 S1	80 oct.Use NE/SW strip.Data unver.
→ Kingman Flying Service (Kingman)	0.5 E,hwy N	710	26 S4	80 oct. No sto.Data unver.
Linton	3.3 E, RR S	500	20 S1	Ltd 80 oct. Pole line N.
Mount Vernon	1 E;bet hwy,riv	390	26 S1	80,91 oct.Data unverified.
O'Neal (Vincennes)	1.5 WNW,RR NE	415	28 S6	73,80 oct.NNW appch blocked.
Paul S. Cox (Terre Haute)	3.2 S,riv W	485	27 R1 S4	80, 91 oct. Stacks NE.
Straub (Cynthiana)	0.5 NW		13	Info. unverified.
Washington Mun.	4 N		30 S4	80 oct. Info. unverif.
Washington	3 W		21	Info. unver.
Charlestown	5 NE; hwy E		15 S6	80 oct. Info unverified.

KENTUCKY

Madisonville	6 ENE;hwy SE	420	24 S4	80 oct. Use strips only.
Owensboro	2.5 ENE;RR NW	484	26 S6	73, 91 oct. No sto.
Sturgis	1.5 ESE,hwy SW	371	50h	

MISSOURI

Chester (McBride)	3.8 NW,riv N	372	20h	Allway: 5388 x 4605'.
Midway Aviation(Horace,Ill.)	1 E,RR W	650	26 S2	80 oct.Poles,bldgs,trees E,N
Henderson,Ky.	6 SW,riv N		23 S1	80 oct.Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page III (NC)-Not charted. → NEW OR REVISED DATA

INDIANAPOLIS

RADIO — INDIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
ADVANCE FM	(- - - -)	FM, 330°, 24	Indianapolis
CEDAR GROVE FM	(- - - -)	FM, 297°, 35	Cincinnati, Ohio
CLAYTON FM	(- - -)	FM, 250°, 11.2	Indianapolis
FREEMAN (Seymour) (Army)	203 (DSR)	MRLWZ	
Freeman Field	396 (126.18)	CA; 159°, 11.6	(3); 126.18 (9-17)
Freeman Field (Hfac.)	219 (DSR)	MH	Operates cont.
GREENCASTLE FM	(. . - - - -)	FM, 250°, 27	Indianapolis
GREENFIELD FM	(-)	FM, 82°, 31	Indianapolis
INDIANAPOLIS	266 (ID)(116.1)	SBRAZ-VDT	(3). 116.1
Indianapolis Airport	278 (126.18,	AC(ILS); 82°,3.2	(4); 131.9, 126.18,
LAFAYETTE (Purdue University)	227(LF)(116.1)	BMRL-VDT ;50°,2.4	(4).116.1 118.7
MILROY (Int.)	347 (MV)	MHT	(4)
MORGANTOWN FM	(- -)	FM, 177°, 22	Indianapolis

KENTUCKY

BOWMAN FIELD (Louisville)	278(126.18) (118.3)	AC	(4);116.1,131.9, 126.18, 118.3
EASTWOOD FM	(- -)	FM, 89°, 9.4	Louisville
GODMAN (Fort Knox)(Army)	227 (DKX)	BMRLZ	
Godman Field	272 (126.18)	CA; 172°, 3.1	(3); 126.18 (6-24)
LOUISVILLE (Bowman)	359 (LV)	SBMRLZ-DTX ;269°	(3)
SHEPHERDSVILLE FM	(- - -)	FM, 180° , 18 1.6	Louisville
SULPHUR FM	(. . - - - -)	FM, 227°, 70	Cincinnati, Ohio
UNION FM	(- - -)	FM, 227°, 24	Cincinnati, Ohio
WARSAW (Int.)	212 (WR)	MHT	(4)

OHIO

CINCINNATI (Lunken)	335 (CC)	SBRAZ-DT;227°,5.2	(3)
DAYTON	245(DY)(116.1)	SBMLZ-VDT	(3); 116.1
Dayton Airport	278 (126.18, 118.9)	AC(ILS);90°,3.3	(4); 131.9,126.18, 118.9
FAIRFIELD FM(Army)	(- - -)	FM, 196°,9.3	Patterson
LOVELAND FM	(-)	FM, 44°, 8.8	Cincinnati
LUNKEN (Cincinnati)	227 (126.18, 118.7)	AC	(4);116.1,131.9, 126.18,118.7
PATTERSON (Fairfield) (Army)	379 (DPK) (116.1)	SBMRAZ-VDT	(4); 116.1
Patterson Field	396 (126.18)+	CA(ILS);320°,2.96	(4); 126.18 (GCA)
VERONA FM	(- - - -)	FM,270°,9.9	Dayton
WRIGHT (Dayton)	260 (126.1)	CA	3105,4495;126.1

INSTRUMENT LANDING SYSTEMS (localizer and G.P. in mcs. Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Dayton, Ohio	110.3	335	55° Mag.	IM- ·····(.05)	MM-	OM- -- (4.4)
					MMK-	OMK-
Indianapolis Int.	109.9	333.8	44° Mag.	IM- ·····(.05)	MM- -·-·(.89)	OM- -- (4.3)
					MMK- ·----(1.0)	OMK-·---- (4.5)
Patterson, Ohio	108.7	333.8	210° Mag.	IM- (.09)	MM- ·····(1.5)	OM- -- (4.5)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker; (1) 3105 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — INDIANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Ace (Anderson)	2 S	875	30 L S4	80 oct.Port rnwy lgts.
Anderson	3.5 SE;RR NE	875	26 S6	80 oct.No sto.Trees E.
Aretz (Lafayette)	4 NE	500	35 S6	80 oct.Info. unverified.
(A) Atterbury AAF(Columbus) (A)	3.5 N;hwy S	651	50h	INACTIVE.
Bargersville	1 N		20	Info. unverified.
Beck (Zionsville)	5 NE;crk W		14 S2	80 oct.Poleline W.Info. unverified.
Bedford	3.5 SE	682	19 S2	Ltd 73 oct.Rnwy data
Black Hawk (Sheridan)	5.3 N;hwy E	600	16 S1	Ltd 73 oct. unver.
(P) Bloomington	5 WSW;RR SE	840	40 L S2	73,80 oct.Poleline S. Rnwy info. unverified.
Boss-Denien (Salem)	3 WNW;RR N		26 S6	80 oct.Poleline S. Data not verified.
Bringham (Portland)	1.5 E;RR E	1020	20	Poles S;120'tank SW.
Brightwood (Indianapolis)	3.7 NE;rd S		44 S4	80 oct.Data unverif.
Brownsburg	1.5 SSE;RR N	650	20 S1	73 oct.Poleline S.
Bunker Hill	1.8 W;RR N	798	50h	
Bush (Jeffersonville)	3 NE		20 S2	80 oct.Inf.unverified.
Bush (Ramsey)	1.5 WSW;hwy N	580	10 S1	73 oct.
Campus (Bloomington)	1.5 ENE,RR S	883	22 S4	80 oct.
Columbus	4.5 SSW	616	45h S4	80 oct.No sto.
Coxey's (Winchester)	1 ESE;hwy N	1088	16 S4	80 oct.
Crawfordsville	4.5 SSW;hwys E, W	850	37 S4	80 oct. No sto.Info. unverified.
East Richmond (Richmond)	3.7 ESE;RR E	1090	20 S6	73 oct.
Elwood	1.8 SSE;hwy NE	850	23 S4	80 oct.Data unverif.
Farmers (Greenfield)	9 NW		26 S2	73 oct.Info. unverif.
Fortville	2.8 E;rd N	740	15 S1	Ltd 73 oct.Trees SSW.
Franklin Fly.Field	4 S;riv S	745	22 S2	80 oct.Trees S.
(A) Freeman (Seymour)(A)	2 SW;hwy N	575	55h R2 L5	
French Lick Sprgs.(NC)	1 SE;RR W	500	27h	
G & C (Anderson)	1 N	875	30	Info. unverified.
Greencastle	8 SE		23 S2	80 oct.Info. unver.
(P) Greenfield, Inc.	1.9 ENE,RR S	910	30 S2	80 oct.Poleline S.
Halsmer (Lafayette)	3 ESE,RR S	595	20 S6	80 oct.Poles SW.
Himes (Ladoga)	4 NW		13	Info. unver.
Hoosier (Indianapolis)	4 WNW	740	26 S5	80 oct.Pole line NE.
Howells (Rushville)	2 SE;hwy SW	985	21 S6	80, 91 oct.
Huffman Air Service (Selma)	0.8 SE; RR N	1000	15 S4	73 oct.
Huntingburg 19,LS-LV	3 S;RR E	500	31 L2 S2	73 oct.
(P) INDIANAPOLIS	8 SW;hwy N	796	53h R3 L6 S8	73-100 oct Exper lgts
Kokomo, mun.	4.7 N	835	40h L5 S2	80 oct P-line N Lgts prior
Lapel	1 NE		13	Rough.Info. unver. req.
Lawrenceburg	1 SW		22	Info. unver.
Lebanon	1 S;RR N	925	13 S2	80 oct.Trees SW.
Lizton	1 SE		25	Info. unverified.
Lockwood (Frankfort)	2.5 S;RR W	764	20 S4	80 oct.Ditch W.
Loy (Plainfield)	0.5 NE;RR S		19 S6	73 oct.Data unver.
Madison Commercial	2.2 N;RR W	960	24 S2	80 oct.Poles E.
(A) Madison AAF (A)	6 NNW; RR SW	850	50h	Closed to all acft.
Mapleton (Seymour)	3 E	620	18 S4	80 oct.No sto.Info.unver.
Martinsville	2 W		10	Info. unver.
Marion	3.8 SSW;hwy S	832	24 L S4	73 oct.Poles E;hi-line N.
Mecco (Danville)	0.5 W		13 S2	73 oct.Info. unver.
Mettel (Connersville)	2.4 NNE;RR E	950	29 S1	80 oct.
* Milroy Int.5, CC-CG	5.5 ESE	1034	27 R1 L3	
Moore (Zionsville)	12 NW		14 S1	80 oct.Info. unver.
Muncie	3.5 N;RR SW	950	31h L4 S6	80,91 oct.Lgts prior req. Rnwy info. unver.
New Castle	3.2 E; RR S	1040	23 S6	80 oct. No sto.
New Castle Western (New Castle)	2.3 NW,lks SE	1080	26 L S1	73 oct.Port rnwy lgts.
Noblesville	0.5 SE	801	27 S1	80 oct.Poleline S end NW/SE strip.Info.unver
Ockley	1 W		23	Pwrlines N,W;trees E. Info. unver.
Owen (Mooresville)	4 E		31 S1	80 oct.Info. unver.
Purdue University (Lafayette)	2.5 W;RR N	605	35h R1 L3 S6	80 oct.Silo N;stack NE.
Reese (Muncie)	4 E	950	19 S2	80 oct.Info. unver.
Reimer (Lafayette)	2 S		25 S2	80 oct. Info. unver.
Richmond, com.	4 WSW;RR N	1075	42 L1 S2	80 oct.
(P) Richmond, mun.	6 SSE;RR W	1139	55h L5	Contact lgts on req.
Ruzicka (Kokomo)	2.5 S;RR E	800	22 S6	80 oct.Pole E;trees N.
St. Anne #2 (Seymour)	2.3 NN E	750	45h	
Scottsburg	2 W		18	Info unver.
Shank's (Indianapolis)	5 WNW	740	28 S6	80 oct.Info. unver.
Shelbyville	3.1 S;hwy E	850	19	Poleline E.
Silent Brook (Orleans)	5 W;riv SW	650	20 S4	80 oct Hi-line W,SW
Sky Harbor (Indianap's)	7 ENE;hwy S	730	26 L S6	73,80 oct.Pole line E.
Sky Haven (Bedford)	2 SSW;riv S	650	30h S4	80,91 oct.Poleline E,S. Rnwy data not verif.
Steed (Portland)	1.5 NW	1030	20 S2	80 oct.Obsts N end NE-SW stp.Info.unver.
Stiles (Shoals)	1 N	740	22 S2	80 oct. Info. unver.
(A) Stout (Indianapolis)(A)	5.5 WSW	712	45h	INACTIVE.
Templeton (Greensb'g)	3.5 WNW;RR N	915	26 S4	73 80 oct.Pwrline S. No sto.
Vevay	1 E	450	20 S2	73 oct.Tree NE corner Info. unver.
West Side (Marion)	2.5 NW;hwy S	835	26 S1	73 oct.Pole line E.
White Cloud (Greenw'd)	1.6 SW;hwy E	800	25 S4	Fuel.No sto.Info.unver.
Yorktown	1 S		22 S1	80 oct.Obsts E.Info.unver.

KENTUCKY

Blue Grass (Lexington)	6 W;hwy N	978	40h L5 S4	80,91 oct.
(A) BOWMAN (Louisville)	5.5 ESE;hwy S	546	44h R2 L5 S6	73,91,100 oct.
Cool Meadow (Lexington)	4.8 N;rd W	910	28 S6	80,91 oct.No sto.Pole line SW.
* Glendale Int,75B,	0.5 NE;RR NW	702	26 L3	(DL, LV)
(A) Godman (Ft.Knox)(A)	1 NW;RR E	740	52h R2 L5 S4	73,91,100 oct.No sto.
Goodall (Danville)	4.2 S;RR W,S	990	27 S6	80 oct.
(P) Greater Cincinnati (Covington)	8.2 W,riv NE	889	55h L5 S1	91,80 oct.Svcg days only.Ctc lgts prior req.
Paris	1.2 NNE	635	20 S1	80 oct.Ravines NE,SE.
Shelby (Shelbyville)	2.5 ENE;hwy S	850	20 S2	80 oct.Info. unver.
Silver Lake (Frankfort)	3.2 E;hwy N	750	25 S2	80 oct.
Standiford (Louisville)	4.3 SSE;RR W	480	50h L5	
* Warsaw Int,5A,LV-CV	0.8 SW;riv NW	485	30 R1 L3	

OHIO

Attaway Air Ranch (Mason)	4.2 S;RR NW	850	23 S4	80 oct.No sto.Pole line E.
Campbell (Cincinnati)	6.2 NNW;RR E	820	24 S1	80 oct.Pole line WSW.
Cheviot (Cincinnati)	9 W	914	18 L1 S1	80 oct.
Cincinnati (Sharonv'l)	2 SE;hwy N	860	37 S6	80 oct.
* Coldwater Int,4.DY-GO	2 NW;crk NW	898	33 L3	
Country Club (Johnsv'l)	2.9 N;RR NE	990	26	Poles N, S.
Dahlo (Dayton)	8.5 W;hwy S	925	37 S4	80 oct.
DAYTON	10 N;hwy E	1000	55h R3 L5 S6	73,80,91,100 oct.
Hamilton	2.5 SE;RR SW	615	29 S6	80,91 oct.Poles S, SE. Trees NW.
Happy Landings (Morrow) (NC)	2.4 ESE;RR S	880	23	Area SE unusable.
Harrison (NC)	2 ESE;RR SW	580	18	Pole line S.
Hightman (Lebanon)(NC)	3 E;RR W	880	16	Pole line W;trees W,E.
Lakeview (Montezuma)	1 SW;hwy W	895	24 S2	80 oct. Pole N.
(A) LUNKEN (Cincinnati)	4.3 SE;RR SW	481	41h R2 L5 S6	73,91,100 oct.Bcn.ESE
(P) Miami University (Oxford)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N,NW.
Middletown	1.5 N; riv N	653	31 S4	80 oct.
Midway (Lewisburg)	3.4 WSW;RR E	1090	26 S4	80 oct.Trees W.
Mt. Healthy (Cincinnati)	9.5 NW;hwy E	870	22 S6	80 oct.Poles E;woods W
New Westville (New Paris)	2.8 S;RR S	1180	21 S1	80 oct.Poles E, NW, SE.
Parks Watson (Cincinnati)	9 NE;RR E	865	25 S6	80 oct.
(A) Patterson (Fairfld)(A)	1.6 WSW	819	78h R3 L6 S4	73,100 oct. JP-1.
Piqua	4 WNW,RR S	1000	19 S2	80 oct.Poles S,SE,SW.
Polk Grove (Vandalia)	3.6 W;riv W	975		UNUSABLE. (NC)
Sidney	1 W;RR S		25 S2	80 oct.Data unver.
South Dayton (Dayton)	5 SSW;RR W	750	32 S6	80 oct.No sto.Hills S.
Treaty City (Greenv'l)	1.5 NNE;hwy W	1060	20 S4	80 oct.Poleline W.
Waco-Troy (Troy)	1.8 SW;RR SE	870	29 S1	80 oct.
(A) Wright (Dayton)(A)	5 ENE;RR NW	800	72h R1 L5 S2	62,73,91,100 oct.JP-1 CLOSED.
Lansdowne (Greenv'l) (Ohio)	2 ESE;RR N		19	Bldgs,hi-line N. Inf. unver.
Port Koneta (Wapakoneta, Ohio)	2.5 NNE;RR E		26 S1	80 oct.Inf. unver.
Stair (Mulberry) Ind.	0.13 NE,hwy S	650	16 S4	80 oct No sto Pole line S Data unver
Veteran's (Bloomington, Ind.)	2.5 W;RR N	890		80 oct. No sto. Poles W.

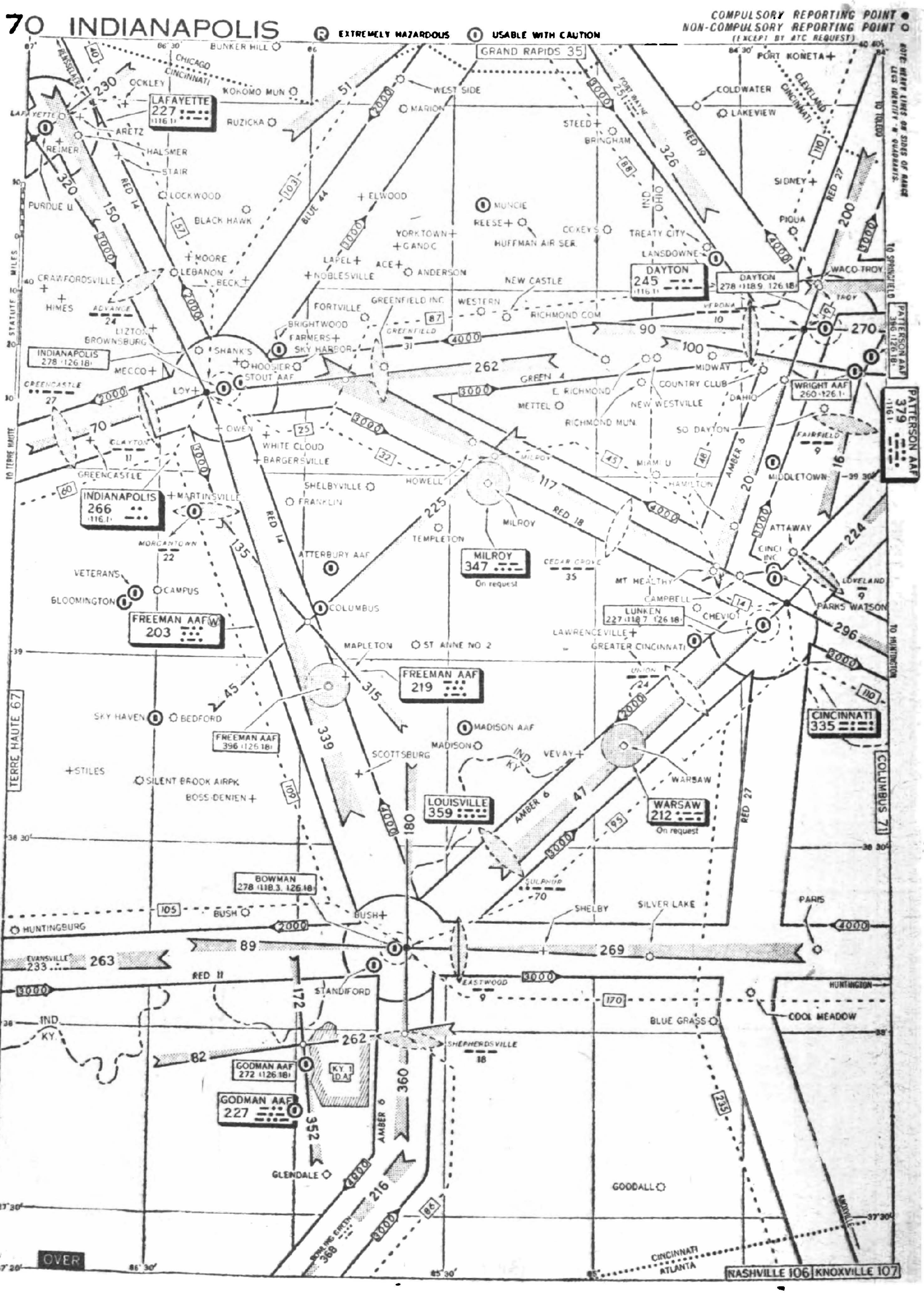
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page x i i i) NC (not charted). → NEW OR REVISED DATA.

70 INDIANAPOLIS

R EXTREMELY HAZARDOUS O USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RADIO LEG IDENTIFY AIRWAYS.


GRAND RAPIDS 35
LAFAYETTE 227 (116.1)
INDIANAPOLIS 278 (126.18)
INDIANAPOLIS 266 (116.1)
FREEMAN AAF 203
FREEMAN AAF 219
FREEMAN AAF 396 (126.18)
BOWMAN 278 (118.3, 126.18)
GODMAN AAF 272 (126.18)
GODMAN AAF 227
MILROY 347
On request
DAYTON 245 (116.1)
DAYTON 278 (118.9, 126.18)
LUNKEN 227 (118.7, 126.18)
PATTERSON AAF 396 (126.18)
PATTERSON AAF 379 (116.1)
WRIGHT AAF 260 (126.1)
LOUISVILLE 359
WARSAW 212
On request
CINCINNATI 335
PORT KONETA
COLDWATER
LAKEVIEW
BUNKER HILL
KOKOMO MUN
WEST SIDE
MARION
RUZICKA
STEED
BRINGHAM
LAFAYETTE
OCKLEY
ARETZ
REIMER
HALSMER
STAIR
LOCKWOOD
BLACK HAWK
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MOORE
LEBANON
BECK
CRAWFORDSVILLE
HIMES
ADVANCE
LIZTON
BROWNSBURG
SHANK'S
HOOSIER
STOUT AAF
SKY HARBOR
MECCO
LOY
GREENCASTLE
CLAYTON
OWEN
WHITE CLOUD
BARGERSVILLE
SHELBYVILLE
FRANKLIN
MORGANTOWN
VETERANS
BLOOMINGTON
CAMPUS
ELWOOD
YORKTOWN
GANDC
LAPEL
NOBLESVILLE
ACE
ANDERSON
MUNCIE
REESE
HUFFMAN AIR SER
COKEYS
FORTVILLE
GREENFIELD INC
BRIGHTWOOD
FARMERS
GREENFIELD
WESTERN
NEW CASTLE
RICHMOND COM
TREATY CITY
LANSDOWNE
SIDNEY
PIQUA
WACO-TROY
TROY
VERONA
MIDWAY
COUNTRY CLUB
E. RICHMOND
METTEL
NEW WESTVILLE
DAHIO
RICHMOND MUN
SO DAYTON
MIAMI U
HAMILTON
MIDDLETOWN
FAIRFIELD
ATTAWAY
CINCI INC
LOVELAND
PARKS WATSON
MT HEALTHY
CAMPBELL
CHEVIOT
LAWRENCEVILLE
GREATER CINCINNATI
UNION
TEMPLETON
ATTERBURY AAF
COLUMBUS
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CEDAR GROVE
35
MAPLETON
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SKY HAVEN
BEDFORD
STILES
SILENT BROOK AIRPK
BOSS-DENIEN
SCOTTSBURG
MADISON AAF
MADISON
VEVAY
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KY
WARSAW
SULPHUR
70
SHELBY
SILVER LAKE
PARIS
EASTWOOD
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SHEPHERDSVILLE
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BLUE GRASS
COOL MEADOW
HUNTINGBURG
BUSH
STANDIFORD
GLENDALE
GOODALL
HUNTINGTON
EVANSVILLE 233
KY 1 DAF
BOWLING GREEN 368
CINCINNATI
ATLANTA
NASHVILLE 106
KNOXVILLE 107
TERRE HAUTE 67
10 TERRE HAUTE
10 SPRINGFIELD
10 HUNTINGTON
TO TOLEDO
RED 14
RED 19
RED 27
RED 18
RED 11
BLUE 44
AMBER 6
AMBER 5
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COLUMBUS 71

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION
→ TO FORT WAYNE

DETROIT 38
CEDAR LAWN
MARION
MAGNOLIA
+VOSS
MT LIBERTY
WYNKOOP
NEW PHILADELPHIA
CLEVELAND CINCINNATI
CLEVELAND PITTSBURGH
COLUMBUS 391 (116.1)
GRIMES
OHIO STATE U
COMMERCE
BRIGGS
NEWARK
CAMBRIDGE
SUMMIT STA
SPRINGFIELD
93
266
HILLIARD
SNOOK
RIVERSIDE
ZANESVILLE 263 (116.1) On request
CRABILL
SPRINGFIELD
CLICKENGER
PRICE
GROVE CITY
NORTON
ZANESVILLE
SULLIVANT AVE
272
LOCKBOURNE AAF 317 (126.1R)
PORT LANCASTER
LANCASTER
CROOKSVILLE
PORT COLUMBUS-NAS 278 (118.5, 126.1R) 42.7R
WASHINGTON
TRI-COUNTY
On request
CLINTON CO. AAF 201
REED'S
MARIETTA
WOOD CO.
CHILLICOTHE SKYPARK
OHIO U
STEWART
JONES
CLINTON CO. AAF 272 (116.1, 126.1R) 337.8R, 140.5R
On request
CHERRY FORK 209
SHUMATE
RAVENSWOOD
CHERRY FORK
KNORE
RAVEN ROCK
ROANE CO.
HAYSVILLE
OHIO
KY.
ABKEN
ASHLAND
HUNTINGTON
CLARK
CHARLESTON 400 (116.1)
HUNTINGTON 236
BOLLINGER
LOGAN
SCOTT
MORRIS
PAYNESVILLE 356
PRINCETON
KNOXVILLE 107
CHARLOTTE 110

COLUMBUS

OHIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHERRY FORK (Int.)	209 (UY)	MHT	(4)
CLINTON CO. (Wilmington)	272 (126.18, 140.58.116.1)	CA(ILS)	(3); 126.18,137.7,116.1 Tr on 137.88 on req.(GCA)
Clinton County (Wilmington) (Army)	201	K	0.2 mi. end Rnwy 22, (8-1630 Mon-Fri.or on 30 min notice)
COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-VDT, 86°, 1.9	(3); 116.1
HILLIARD FM	(- - - -)	FM, 273°, 9.8	Columbus
→ LOCKBOURNE AAB(Columbus)	317 (126.18)+	CA (ILS)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°, 29	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18,142.74)	AC	(4), 131.9, 118.5, 126.18, 142.74
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1

WEST VIRGINIA

CHARLESTON	400 (KN)(116.1)	SBMRAZ-VDT	(4), 116.1
HUNTINGTON	236 (HI)	BMRLZ-DT, 75°, 2.4	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOCKBOURNE AAF, OHIO	109.9		3° Mag.	IM (.16)	MM ····· (.85)	OM -- (4.29)
					MARK	OUTK
CLINTON CO. AAF, OHIO	109.5	332.6	320° Mag.	IM (.05)	MM	OM
					MARK	OUTK

S-Simul Range and Voice, W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210 3117.5 kcs.
Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

KENTUCKY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aiken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E, RR SE	535	29 S4	80 oct.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.

OHIO

	Briggs (Zanesville)	6.4 NNE,RR W	780	18 S2	80 oct. Poles E.
	Cambridge	2 N, RR W	800	27 L3 S2	73 oct.
	Cedar Lawn (Kenton)	2.3 S, RR E	975	18 S2	80 oct, Poles E.
★	Cherry Fork Int,4,CC-WA	0.5 NNW	939	39° R1 L3	
	Chillicothe Skypark	1.8 N,RR E	640	30 S4	80,91 oct. Data not verified.
	Clickenger (Columbus)	6.2 SSE,RR E	748	26 S2	80 oct. Poles surround fld.
(A)	Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
	Commerce (Zanesville)	6.5 N,RR,riv E	800	28 S2	73, 80 oct.
	Crabill (Springfield)	2.5 SE,RR E	1040	29 S6	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111(NC)-Not charted. → NEW OR REVISED DATA

OHIO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
Grimes (Urbana)	1.5 N,RR W	1055	35 L4 S6	80 oct. Fld lgts prior req.
Grove City	1 S, RR W	860	21 S6	73,80 oct. No sto.Poles W.
Jones (Chillocothe)	7.2 SE,RR SW	720	20 S2	Ltd 80 oct.
Knore (Minford)	2 SE,RR W	670	20 S6	80 oct. No sto. Pwr line S.
Lancaster	2.5 E;RR N,SW	830	25 S4	80 oct. Poles E.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	738	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S1	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S2	80 oct.
Newark,2, CO-PG	3.5 SW,RR N	880	25 L3 S2	73 oct. 200' stacks S.
New Philadelphia	2.5 SE,RR SW	885	36 S6	80 oct. Poles N,E,W
Norton (Columbus)	6.5 E,RR N	800	22 S6	80, 91 oct. Pole line N
→ Ohio State University (Columbus)	8 NNW,riv E	900	22h S4	80, 91 oct.
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) Port Columbus - NAS (Columbus)	7 E, RR S	815	50h R2 L6 S6	80 100 oct. Poles NW.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	14	Poles NNE trees SSW.
Price (Columbus)	6 SE	760	22 S6	80 oct. Poles S, SE.
Raven Rock (Portsmouth)	3.5 WSW,riv S	538	24 L3 S6	80,91 oct. Lgtg fac not verified.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE.
Riverside (Zanesville)	3.4 NNE,RR W	700	40 S4	80 oct. Hill, trees NNE,SSW
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RR NE	640	24	
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,RR N	1050	27 L4 S4	80 oct. No sto. Fld lgts prior req.
Sullivant Ave.(Columbus)	6 WSW,RR NW	860	31 S6	80,91 oct. Pole line S.
Tri-Co (New Holland)	3 ESE,RR N	650	21 S1	80 oct.
Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE,RR S	910	22 S1	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	960	13	
Woodsfield (NC)	1 W,hwy NE	1220	19	
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S1	80,91 oct. Pole line E. RR E.
Zaleski St. Forest Svc.	1 SSW,RR NW	705	22	(NC)
(P) Zanesville	6.2 E,hwys N,S	902	50h R1 L5 S1	80 oct. prior req.
(P) Huntington(Chesapeake)	2 WSW, riv S	560	29h R1 S6	80,91 oct.
Port Lancaster Corp. (Hooker)	0.8 N;RR W	800	28 S1	80,91 oct. Hwy W
Snook(Reynoldsburg)	1.4 NE;RR N	980	21 S6	80 oct,Pole line E;trees SW.

WEST VIRGINIA

Bollinger(Charleston)	4.5 SW,riv N	900	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
Roane Co. (Spencer)	1 SE,hwy NE	954	17 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N, RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct. Pole line SE
(P) Wood Co. (Parkersburg)	7 NE,hwy E	835	45h L5 S6	80,91,100oct. All lgts prior req.
Logan	7.2 NNW,riv E	630	15h S1	80 oct Hill S,N.
Huntington				See Huntington Arpt, Chesapeake, Ohio
Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct. P-line S. Data unver.

RADIO — PENNSYLVANIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALLEGHENY CO. ARPT (Pittsburgh)	278 (126.18) (118.7)	AC	(4):140.1,131.1,126.18
ALTOONA (Altoona-Blair Co.)	338(RP) (116.1)	SBMRAZ-VDT:203° 1.3	(4):116.1
CECIL FM	(- - -)	FM, 265°, 10.3	Pittsburgh
GREATER PITTSBURGH AIRPORT PITTSBURGH	396 (126.18) +	CA	(3):126.18
HOOKSTOWN FM	(- - - -)	FM,308°, 32	Pittsburgh
MT. PLEASANT FM	(- -)	FM,124°, 24.7	Pittsburgh
NEW ALEXANDRIA FM	(-)	FM,@85°, 30	Pittsburgh
PITTSBURGH	254(PT) (116.1)	SBRAZ-VDT :85°, 2.2	(3):116.1
SUMMERHILL FM	(- - - -)	FM, 281° 22	Altoona
CECIL	219(C)	FMK,265°,10.3	Pittsburgh

VIRGINIA

FRONT ROYAL	362(FZ)(116.1)	SBMRAZ-VDT	(4):116.1
GORDONSVILLE (Int)	388(GJ)(116.1)	SBMRAZ-VDT:135°2.6	(4):116.1
LYNCHBURG	206(LB)(116.1)	SBRAZ-VDT	(4):116.1
(Preston Glenn)	248(118.7)	C:165°,2.1	(4)

WEST VIRGINIA

ELKINS	281(EK)(116.1)	SBMRAZ-VDT:174°,2.94); 116.1	
MARTINSBURG	209(MR) (116.1)	BMRLZ-VDT:35°,2.9	(4): 116.1
MORGANTOWN	269(MG)(116.1)	BMRLZ VDT:173°,5.6	(4):116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM	MM	OM
PITTSBURGH, PA.			95° Mag.		MMK 201----(.80)	OMK

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs.
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MARYLAND

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Cumberland	2.5 S;riv N,S	780	58h L5 S1	80 oct. Mtns SW.
Mexico Farms(Cumberland)	3 S;RR E	630	36 S2	80 oct.Mtns E.

OHIO

Scott (Tiltonsville)(NC)	1.5 SSW;riv E	650	25	
Toronto	1.5 NW;riv E	1050	22	

PENNSYLVANIA

ALLEGHENY COUNTY(Pittsburgh)	5.3 S;RR NW	1251	57h R2 L6 S6	80-100 oct.No ctc lgts.Rdo rec rqrd.
Allegheny Val'y(Tarentum)	3.2 W;RR W	1125	24 S4	80 oct.
Altoona(Duncansville)	1 SW;RR E	1050	36 S4	73 oct.
Altoona-Blair Co.24A-CO-PG	15 SSE	1495	44h R1 L4 S2	80,91 oct.
* Buckstown Int,12B,WA-CV	1 E;hwy S	2480	23 L3	
Connellsville	4 SSW;hwy E	1250	34h S2	80 oct.
Cresson	1 NE;RR W	2240	25 S2	80 oct.Pole line S.
(A) Greater Pittsburgh (Pittsburgh)(A)	15 WNW;riv N	1145	55h R1 L5 S4	91,100 oct.JP-1
Greene County (Waynesburg)	2.7 E;RR NW	1100	32 S6	80 oct.
Hamilton (Indiana)	2.5 E;hwy S	1440	26 S6	80 oct.Pole line S.
Harrison City	1.1 NW;hwy S	1230	17	Poles NW.
Huntingdon	1 S;riv NE	620	20 S4	80 oct.Pole line W.
(P) Johnstown	4.7 E;hwy N	2282	45h	
Keystone (Ebensburg)	3 SW;RR NW	2100	23 S4	87 oct.Obst sur fld.
Latrobe	2.8 SSW;hwy N	1144	23h S4	80 oct.
Leechburg	1.6 ESE;hwy W	960	30 S6	73 oct.Pole line N,NE.
Mayer (Pittsburgh)	10 WSW;RR S	770	16 S4	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities L-lighting facilities. S-servicing.(See note (111)) (NC)-Not chartec.

AIRPORTS — PENNSYLVANIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
New Alexandria	1.5 ENE;hwy N	1200	18 S4	80 oct. Pole line N. See Allegheny County Arpt.
PITTSBURGH-ALLEGHENY CO (Pittsburgh)				
Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct.
Pittsburgh-Greensburg (Greensburg)	2.3 SE;hwy N	1280	26 L3 S6	80 oct.Twr W.No bndry lgts.
Pitt-Wilkins(Pitcairn)	1 NNW	1200	17 S2	80 oct.
Salix	0.6 S;RR NW.	2200	24 S4	80 oct.
Somerset	2NNE;RR SE	2260	27 S4	80 oct. Pole line W. Unverified.
Stultz (Altoona)	10.7 NNE;RR N	970	35 S6	80,91 oct.Pole line N Rnwy data
Vandergrift	2 WNW,RR E	1000	21 S2	73 oct. Pole line NW.

VIRGINIA

Augusta(Waynesboro)	6 WSW;riv SE	1420	24 S4	80 oct.Bad pole line SE.
Buford's (Montvale)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
Covington-Clifton Forge	6.5 E;hwy S	1115	24 S4	80 oct.
Gordonsville	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Int,51,NA-WA	5 SSE	438	31 R1 L3	Pole line SW.
Hartman(Harrisonburg)	4 NW	1350	22 S4	80 oct.
Ingalls (Hot Springs)	3 S;hwy W	3780	31 S2	80 oct. Closed winters.
Lexington	2.7 SW;hwy S	1200	17 S1	73 oct. Pole line NE,SW.
Narrows	1 E;RR S	1550	20 S2	Ltd 80 oct. Trees W.
PRESTON GLENN(Lynchburg)	6.7 SSW;RR SE	935	40h R2 L5 S6	80,91 oct.
Staunton	4.4 NE;RR NW	1300	26 S6	80,91 oct.Pole line NNE.
Stokes (Front Royal)	2.5 W;riv E	735	19 S2	80 oct. Pole line S,E.
Timberlake (Lynchburg)	9.5 SW;RR N	950	26	
University of Virginia (Charlottesville)	5 ESE;riv E	300	35 S6	80, 91 oct.Trees ESE.
Valley (Waynesboro)	1.7 NNE;RR E	1300	26 S2	80 oct. Pole line ENE,SSW
Winchester	3 SSE;hwy E,S	700	22 S6	80 oct.
Shenandoah	0.5 SW;hwy W		19 S1	Data unverified.
Orange County (Orange)	4 E;hwy S		20	Data unverified.
Covington	1 NE	1500	20 S4	80 oct. Unverified.

WEST VIRGINIA

Baker Airpark(Burlington)	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg)	6 E;hwy S	1170	38h S6	80,91 oct.
(P) ELKINS	2.6 S;RR W	1965	45h R1 L5 S4	80,91 oct. No sto.
Forman (Terra Alta)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
Glendale	0.5 WSW;bet RR & river	640	29 S6	80 oct.Trees N,S;pole line S.
(A) Greenbrier A&P (White Sulphur Springs)(A)	2 SW	1795	35h	
Hinton	4.8 WSW;RR E	2600	26 S4	80 oct. Pole line NNW.
Hinton-Alderson(Pence Springs)(NC)	1 E;riv,RR S	1520	26	Hill W,E.
Lewis (Buckhannon)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Louis Bennett(Weston)	3.2 N;RR E	996	37	Hill S;pole line WNW
Marlinton	1.5 NNE;RR SE	2475	21 S2	80 oct. Hill WNW
Moorefield	0.8 NE;RR W	980	26 S4	80 oct. Trees WNW.
(P) Morgantown	2.2 ENE;hwy NW	1254	36h R1 L3 S6	80 oct.
* Petersburg Int,29,CC-WA	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
Ridgeway (Bunker Hill)	2.3 SSW;RR E	600	20 S6	80 oct.No sto.Pole line SSW.
Romney	2.1 NNE;riv W	750	16 S2	80 oct.Mts WNW,ESE,SSE.
Ronceverte	2 N;hwy SE	2175	18 S2	80 oct.
* Sutton Int, 21, CC-WA	3.6 ENE;RR W	1264	32 L3	
Weirton(Hollidays Cove)	1.5 E		11 S6	80 oct, Data unverified.
(P) Wheeling Ohio County	7.5 NNE;riv W	1190	50h L5	All lgts prior req.
Elk Garden (W.Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct. Pole line NW.
Herron(New Cumberland, W.Va.)	4 NE;lake W	1250	17 S4	80 oct.Data unver.

NEW OR REVISED DATA

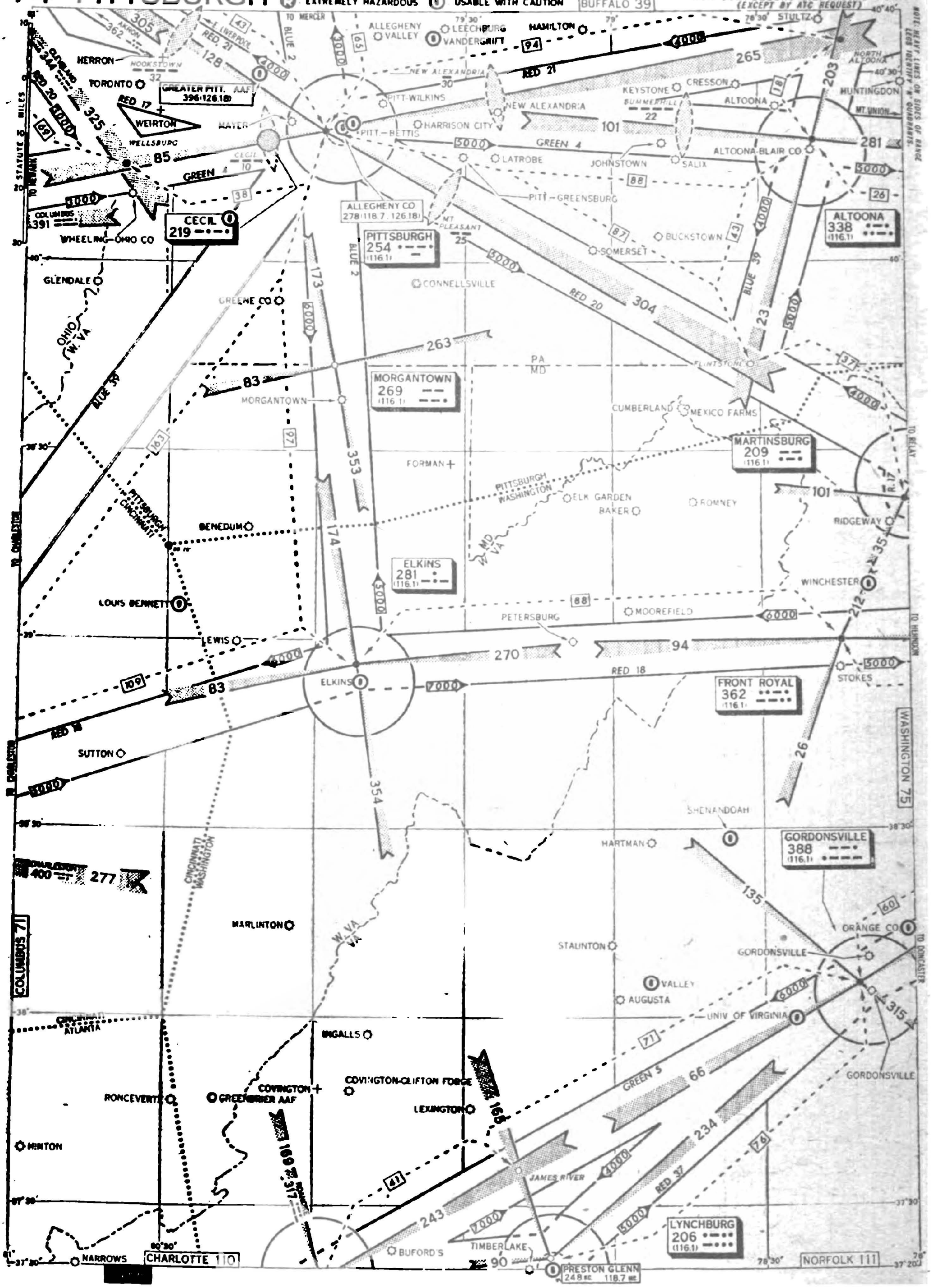
74 PITTSBURGH

R EXTREMELY HAZARDOUS U USABLE WITH CAUTION

BUFFALO 39

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF BARB INDICATE AIRWAY'S WIDTH.



WASHINGTON 75

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS

Ⓞ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

HARRISBURG 242 (116.1)
PHILADELPHIA 266 (116.1)
WASHINGTON 332 (116.1)
BALTIMORE 257 (116.1)
NEW CASTLE 350
MCAS. QUANTICO 203
RICHMOND 260 (116.1)
NAS PATUXENT RIVER 420
NORFOLK 111

FOR DETAILS IN THIS AREA SEE CHART 78

OVER

RADIO — DELAWARE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DOVER AAF	396 (126.18)	CA	(3):126.18 (7-19)
DUPONT ARPT. (Wilmington)	388	CI	3105,3117.5,5582.5 (8-20 daily except Sunday)
NEW CASTLE	350 (NC)	SMRAZ	
→ New Castle Co. Airport	219	CI; 19°, 2.8	(4)
DIST. OF COLUMBIA			
WASHINGTON	332(WA)(116.1)	SBRAZ-VDTX	(3); 116.1
MARYLAND			
ANNAPOLIS	2870(142.74)	CN	3105,2870,6420;142.74
BALTIMORE	257(BO)(116.1)	BMRLZ-VDT	(3); 116.1 (7-17)
Baltimore Mun. Airport	278 (118.9)	C; 12°, 2.3	(4):118.9,131.9
BELTSVILLE FM	(-)-	FM; 41°,17.6	Washington, D.C.
DONCASTER FM	(. . - - - -)	FM; 209°,24.7	Washington, D.C.
MARTIN ARPT (Baltimore)	317	CI	(4)(8-sunset,Mon-Fri.)
MEEKINS NECK FM (Navy)	(-)	FM; 57°, 16	Patuxent River
PATUXENT RIVER (Navy)	420 (NHK)	BMRLZ	(3); 142.74 (GCA)
Patuxent Riv.NAS	347 (142.74)	CN; 57°, 4	(3); 142.74
PHILLIPS FIELD (Aberdeen)	201 (126.18)	CA	(3);126.18 (8-18 Mon.-Friday)
→ WEBSTER (Priest Point)	3345 (142.74)	CN	3105; 142.74 (24 hrs. adv. notice)
PENNSYLVANIA			
BOOTHWYN FM	(- - -)	FM, 260°,8.5	Philadelphia
CARLISLE FM	(- - - -)	FM, 284°, 18	Harrisburg
HARRISBURG	242(HX)(116.1)	SBRAZ-VDT	(3); 116.1
Harrisburg State Airport	278	C; 118°, 1.1	(4); 116.1,131.9,
MIDDLETOWN FM	(- -)	FM, 118°, 9	Harrisburg
→ OLMSTED FIELD (Middletown)	396 (126.18)+	CA	(4); 126.18
PHILADELPHIA (Southwest Arpt)	266(PG)(116.1)	SBMRAZ-VDT, 97°, 3	(4); 116.1
SEVEN VALLEYS FM	(- - -)	FM, 172°, 25	Harrisburg
VIRGINIA			
ALEXANDRIA LFM	(- - -)	LFM,209°,2.4	Washington, D.C.
CHESTER FM	(- -)	FM, 218°,9.15	Richmond
CHINCOTEAGUE (Navy)	221 (NKZ)	MRLZ	3105,4495;142.74
Chincoteague NAAS	3295 (142.74)	CN; 98°, 4.5	(3); 142.74
DAHLGREN NAF PROV. GROUNDS	368 (142.74)	CN	(3); 142.74 (8-16 except Sunday)
DAWN FM	(- - - -)	FM, 3°, 25.1	Richmond
HERNDON FM	(- - - -)	FM, 317°, 21.8	Washington, D.C.
MOUNT VERNON FM	(. . - - - -)	FM, 209°,8.2	Washington, D.C.
QUANTICO MCAS (Navy)	203 (NYG)	MRLZ:200,4.6	3105,4495
RICHMOND	260(RW)(116.1)	SBRAZ-VDT	(3); 116.1
Richmond AAB	396 (126.18) (118.7)	AC(ILS);20°,1.9	(4);131.9,118.7,126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Richmond AAB, Va.	109.9		63° Mag.	IM- (17)	MM- .....(.90)	OM- - -(4.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — DELAWARE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellanca (New Castle)	1.5 W	30	25h L1 S5	80,91 oct. Poles N.
Biggs (New Castle)	1 NW,riv SE	60	21 S2	80 oct. Riv. S
Bridgeville	1.5 S	20	27 S6	80 oct.Data unver.
Dover	1.4 ENE	34	19 S2	80 oct.Poleline N.Crk.
Dover Airpark	2.2 N,rd W	37	25 S2	80 oct. NW.
(A) Dover AAF (A)	4 SE,hwy E	28	70h R1	INACTIVE.
DuPont(Seaford)(NC)	0.8 WSW,RR NE	25	21	Poles NE.PRIVATE. RESTRICTED.
DuPont (Wilmington)	3 WNW,RR E	185	29 R1 L4 S4	80 oct.No sto.
(P) Georgetown	1.5 E,RR NW	51	50h	
(P) New Castle County (Wilmington)	4.8 SW,hwy SE	75	70h R2 L5 S1	80, 91 oct.
Rehoboth Beach Aircrafters	2.5 W,hwy N	10	35 L S6	80,91 oct.Obsts sur fld. Port rnwy lgts.
Skycraft (Wilmington) (NC)	3 NE,rd N	250	15	Poles N,W,S;trees NW, SE.
Sussex (Frankford)	1 N		24 S4	80 oct.Data unver.
MARYLAND				
Aldino (Churchville)	2.2 NE,RR SE	400	20 S6	80 oct.
Andelot(Worton)(NC)	4 WNW,bay W	25	20	Trees N
Annapolis	2 SE		18h S4	80,91 oct.No sto.Data unver.
BALTIMORE MUN.	6 SE,RR NE	14	46h R2 L5 S6	80,91 oct.100 oct prior
C.A.P. Base (Westminster)	2.6 N,hwy E	780	20 S4	80 oct. req.Rdo rqrd. Poleline E,NE.
Delmarvia(Salisbury)	2.8 NE,hwy W	45	21 S6	80 oct.Poleline N,E,NE.
Easton	2.2 N,RR E	66	40h L S4	80 oct.No sto.Port lgts.
(A) Edgewood Arsenal(A)	1.3 S	18	50h L5 S4	91,100 oct.No ben.CLSD
Faybrook(Rock Hall)	1.5 NNW,bay W	20	14 S4	80 oct.Trees WNW, NNE
Glenburnie-Whipp	1 E,hwy W	56	26 S6	80 oct.Seaplane Anchor
Hagerstown	4.2 N,RR W	700	39h L3 S4	80 oct. Fld lgts prior req.
Hickman(Ocean City)	7.5 NW, riv S	15	28 S4	80,91 oct.Data unver.
Lee Annapolis(Annapolis)	4.8 WSW, hwy E	30	28 S1	73 oct.Pole line ESE
Martin(Baltimore)	10 E,RR N	18	70h R1	PRIVATE.
(N) Patuxent River NAS(N)	2.9 NE Jarboes	38	97h R2 L6 S4	91,100 oct.JP-1.NATS
(A) Phillips(Aberdeen)(A)	3.2 S,RR W	57	50h R1 L5 S1	91,100 oct. CLOSED.
Pimlico (Baltimore)	6 NW,hwy SW	400	32 S6	80,91 oct.
(N) Piney Point (N)	0.8 WNW	10	14h S1	73 oct.Use rnwys only.
Rutherford(Baltimore)	7 W,RR W	500	23 S6	80 oct. Twr N.
Salisbury	5.3 ESE	52	50h	
Shady Side (NC)	1.8 SSW	10	15	Poleline SSW RR W
Stevens (Frederick)	5.8 N,hwy E	440	28 S6	80 oct.Trees SW,S,W.
Taneytown	2.9 WNW	500	20 S4	80 oct.Poleline S,SW,W
Webb (Easton)	2.5 E	50	26 S6	80 oct.No sto.Poleline
(N) Webster (Priest Point) (N)	1.5 W Ingoes	21	50h R1 S1	Ltd 100 oct. S,SE. JP-1 on req
NEW JERSEY				
Alexandria (Pittstown)	2 WNW,lk NE	340	18 S4	80 oct No sto.Trees ENE
Buck's (Bridgeton)	3.7 NNE,RR S	100	18 S4	80 oct P-line S,W
Greenwich	2.5 W,riv SW	30	21 S6	73,80 oct.Trees N.
Kroelinger(Vineland)	2.5 NNW,RR E	100	19 S6	80 oct.Poleline S,E.
(P) Millville	3.3 SW,lk N	68	50h L5 S6	80,91 oct.
Penns Grove	3 SE,riv W	10	22 S2	73 oct.Poleline W,SSW.
Salem	2 ESE,rd S	15	22 S6	80 oct.
Woodstown (Auburn)	1.5 SSE,RR E	100	20 S1	80 oct.Poleline N,NE.
PENNSYLVANIA				
ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE,RR NW	380	40h R1 L5 S6	80,91 oct.Use rnwys only. Fld lgts prior req.
Berks (Reading)	4.5 NW,hwy hwy SW	360	23 S4	80,91 oct.Hill NW.
Bethlehem-Easton (Easton)	4.5 SW,riv S	360	23 S6	80,91 oct.No sto.Poleline sur fld.
Cargill (Granville)	1.5 SW,RR SE	490	23 S2	73 oct.Obsts sur fld.
Carlisle	1.8 WSW,RR N	480	23 S6	80 oct.
Centerville(Carlisle)	11.3 SW,RR N	660	23	Trees E, NE. (NC)
Chambersburg	1.2 SSE,RR SW	650	22 S6	80 oct.E/W strip rough
Coatesville	1.6 W,RR S	623	26 L1 S4	80 oct.Obsts sur fld.
Convair(Allentown)	3 SSW	399	40h	
Devener(Hanover)	2 NNE,hwy W	590	20 S6	73,80 oct.
Doersom(Gettysburg)	2.4 NW,RR N	590	19 S6	73 oct.Pwrline NE.
Estler(Mohrsville)	3.5 W,pond W	390	22 S6	Ltd 80 oct.Trees W.
Fogelsville	0.7 E,RR SE	460	22 S4	80 oct.No sto.P-line SW

AIRPORTS — PENNSYLVANIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gettysburg	2.8 NNW	600	24 S3	80 oct.No sto.RR SW
HARRISBURG STATE	3.5 S,RR N	344	40h R2 L5 S6	80,91,100 oct.
Hershey	1.1 NNW,RR S	415	21 S2	80, 91 oct.
Kutztown	1.5 S,RR SE	400	25 S4	73 oct.
Lancaster	1.5 NNW	320	26 S6	73,80 oct.Pwrline W,RR
Lancaster,35,00-PG	5.5 N,hwy W	385	27h L4 S4	80 oct.Poles S,WSW. SW
Layfield(New Hanover)	2 NE,hwy W	320	17 S6	80 oct.Trees NE.
Lebanon Co.(Myerstown)	1.8 W,hwy S	525	17 S5	80 oct.
Lewistown	4 SW,riv SE	560	19 S6	80 oct.Wooded hill NW
Madeira (Reading)	3.2 N,RR W	360	20 L S6	80 oct.Port flood lgts.
Mount Union	4 S,hwy E	560	30 S4	80 oct.
New Hanover	0.5 W,hwy SE	320	20 L S4	80 oct.Port flood lgts.
(A) Olmsted(Middletown) (A)	1 W,RR N	300	50h R1 L5 S6	62-100 oct.JP-1.Poles N. NE. Riv. S.
Penn-Harris(Harrisburg)	4 ESE,RR N	400	18 L S6	80,91 oct. Flood lgts.
Philadelphia Main Line (Paoli)	2.8 WNW,hwy S	310	21 S4	No fuel.Pole line ESE.
Pottstown	4.5 E,hwy N	311	30 S6	80 oct.Bldg NW.
→ READING	3 NW,riv E	342	52h L6 S6	B-2 lgts prior req.
Reigel(Campbelltown)	1 N,hwy N	475	20 S4	80 oct.
Schuylkill(Pottsville)	8.3 ESE, lake SE	510	29 L S6	80 oct.Port rnwy lgts. Hills SW,E,NE.
Smilin' Jack(Douglassville)	1.3 NW,RR S	200	24 S4	80 oct.
Sunset Airways (Chambersburg)	3.5 NNE,rd E, S	650	25 S1	80 oct.Pole line E,NNW
Swatara Valley (Pine Grove)	4 WSW,RR N	480	21 S4	80 oct.
Taylor(New Kingston)	0.5 SE,hwy N	440	28 S6	80 oct.Pole line N.
Valley Arpk (York)	3 ENE,RR N	420	21 S6	80 oct.Poles SSE,NNW.
Waynesboro	3 SE,hwy N	700	20h S6	80 oct.
Womelsdorf	3 NW,hwy E	540	13 S1	73 oct.
York	8.3 WSW,RR E	500	19 L S6	73,80 oct.Floodlgts Pole
VIRGINIA				
Blue Ridge(Herndon)	4 WSW,hwy NE	280	30	Poleline E.
Central (Richmond)	2.5 ENE,RR W	172	45 S6	80 oct.Poles WNW,SE.
(N) Chincoteague NAAS	4.5 WNW,hwy S	38	60h R2 L5 S4	100 oct. (N)
(N) Dahlgren NAF Proving Grounds (N)	0.5 E	20	40h R1 L5 S2	100 oct. CLOSED.
Harcum (NC)	0.2 NW	85	35	Poles,trees sur fld.
Hermitage(Richmond)	3.2 NNW,RR W	200	20 S6	80 oct.Trees,poles E,W
Hummel (Greys Pt.)	3 NE Harmony	30	21	Obsts sur fld. (NC)
Kellam(Weirwood)	0.3 SW,RR E	15	20 S1	73 oct.Trees NE,SE.
Leesburg Airpark	0.7 ESE	280	26 S6	80 oct.Poleline NE.
* Lively Int,6,NW-WA	3.4 WSW,riv W	15	34 L3	35'trees,bldgs NW.
Manassas	2.7 NW,RR S	250	21	Pole line SW,SSE
Melia Flgt Strip	1.3 W	48	70h	
Midway (Chester)	2 E,hwy S	178	26 S2	80 oct.20-50' trees E
* Milford Int,49B,AG-LG	1.5 S,RR W	134	26 L3	40 trees S,NE,SW.
Northfield(Richmond)	3 N,hwy W	197	20 S4	80 oct.
Parksley	0.6 WNW	25	18 S4	80 oct.
(A) RICHMOND AAB(A)	7.3 ESE,RR S	160	50h R3 L5 S4	73,100 oct.
Shannon(Fredericksburg)	1.6 SSE,riv E	50	23 S6	80 oct.
Tappahannock Flgt Strip	0.8 W	30	40h	8000' strip avail.
West Point	2.3 ESE	24	50h S4	80,91 oct.Riv SSW.
Zieger(Warrenton)	3.7 S,hwy NE	440	20 S2	80 oct.Hill W. NW
WEST VIRGINIA				
(P) Martinsburg	4 S,hwy W	550	50h R1 L5 S6	80, 91,100 oct.
North End (Martinsburg)	2.5 NNE,RR W	515	28 S2	80 oct.Pole line N.
Currell's (Weems,Va)	1 N,jct of rivs		17 S1	80 oct.P-line SE.Use strips only.Data unver.
→ Harrington (Del.)	1.8 E; RR W	50	25	
→ Kent (Worton,MD)	1 N; RR S	60	23 S2	80 oct.
→ Johnson(Ononcock,Va)	1 ESE;RR E	34	22 S1	80 oct.
→ West Chester (Pa.)	2.5 NE;lake S	470	32 S4	80 oct.

b-hard surfaced runways. R-radio facilities, L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data.

RADIO

DIST. OF COLUMBIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANACOSTIA NAS (Washington)	251(142.74)	CN	(3);142.74(7-sunset and on req.)
BOLLING FIELD (Washington)	219(126.18) (137.88)+	CA	(3);126.18,137.88
WASHINGTON Washington Nat'l Arpt.	332(WA)(116.1) 278(126.18) (118.5)	SBRAZ-VDTX AC(ILS);25°,0.9	(3);116.1 (4);118.5,126.18,131.9

MARYLAND

ANDREWS FLD (Camp Springs)	317(126.18)+	CA	(3);126.18 (GCA)
BELTSVILLE FM	(-)	FM, 41°,17.6	Washington, D. C.
DONCASTER FM	(. . . . . -)	FM, 209°,24.7	Washington, D. C.

PENNSYLVANIA

BOOTHWYN FM	(- - -)	FM, 260°,9.5	Philadelphia
HOLMESBURG LFM	(- - -)	LFM, 238°,6.5	NE Philadelphia
JOHNSVILLE AIRPORT	203 (142.74)	CN	3105 cont,4495.6210;116.1,126.18, 140.58,142.74 on req (8-1/2 hr past sunset)
MUSTIN NAAF (Philadelphia)	251(126.18) (142.74)	CN	(3);126.18,142.74 (7-sunset,other hrs req on request.)
PHILADELPHIA (SW Arpt)	266(PG)(116.1)	SBMRAZ-VDT;97°,3	(4); 116.1
Philadelphia NE Arpt	278	CI	(4)
Philadelphia SW Arpt	278(118.1)	CI	(4);118.1
NE Philadelphia Range (Phil. NE Arpt)	371 (NP)	MLWZ-DT,238°,2.8	
WILLOW GROVE (Navy)	391 (NXX)	MRLZ	(3); 142.74
Willow Grove NAS	356 (142.74)	CN; 241°,3.35	(3);142.74 (days only except on 1 hr advance notice)
WINGS FIELD (Ambler)	278	CI	3105 (9-17)

VIRGINIA

ALEXANDRIA LFM	(- - -)	LFM,209°,2.4	Washington, D. C.
HERNDON FM	(- - - -)	FM, 317°,21.8	Washington, D. C.
MOUNT VERNON	236 (W)	FMX, 209°,8.2	Washington, D. C.
MOUNT VERNON FM	(. . - - -)	FM, 209°,8.2	Washington, D. C.
QUANTICO (Navy)	203 (NYG)	MRLZ	3105, 4495
Quantico MCAS	3295(142.74)	CN; 209,4.6	(3); 142.74

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WASHINGTON, D. C.	109.9	333.8	360° Mag.	IM ·····(.03)	MM	OM - - (3.60)	
					MMK		OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3) 3105, 4495, 6210 kcs, (4) 3105, 4495, 6210, 3117.5 kcs **Parenthetical Numbers in Frequency Column Indicate VHF Voice**

\+ - Army A.C.S. transmits on and guards 116 1. 137 88. 140 58 mcs

AIRPORTS

DIST. OF COLUMBIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Anacostia NAS(Washington)	2.4SE Monument	8	50h R1 L5 S4	100 oct. No bcn. (N)
(A) Bolling(Washington)(A)	3 SSE Monument	20	60h R1 L5 S6	73,100 oct.JP-1.Ridge E.
(A,N)WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct.JP-1 req. Rdo rec req.730'Rdo Twr,6.2 NW. FOREIGN CLEARING STA.

MARYLAND

(A) Andrews (Camp Spring)(A)	1.5 E	279	55h R1 L5 S4	80,100 oct. JP-1
(N) Beltsville OLF (N)	5 ESE	180	40h	Fld open 0900-1530 daily
Capital (Berwyn)	2 NW; RR E.	70	20 S4	80 oct. Pole line S.
College Park	8.5 NE of D.C	50	22 S6	80 oct. Hill SE. RR NW.
Columbia Air Ctr (Croom)	3 E; RR W	40	20	Trees N,NNW
Congressional (Rockville	2 SSE;hwy E	450	32 S6	80 oct. Pole line E,NE.
Curtis (Brandywine)(NC)	3 SSW;RR E	200	18	Pole line N,W.
Erco (Riverdale)	0.4 NE; RR W	50	38 S1	80 oct. Trees E,NE,SW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

MARYLAND

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(A) Ft. Meade (A)	0.5 NE ctr rec	180	20h	
Hyde (Clinton)	2 WSW	249	32h S6	80,91 oct. Trees WNW,NE.
Maryland (Pomonkey)	0.2 S; RR S	170	30 S1	80 oct.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct.
Schrom (Greenbelt)	0.3 SW; hwy W	177	27h S6	80 oct. Trees NW,SE.

NEW JERSEY

Almonesson	0.6 NNW	50	18 S6		73 oct. Pole line NNE,SSE.
Bridgeport	0.8 ESE; RR N	23	18 S4		80 oct.
Burlington Airpark	1.7 NE		24 S4		80 oct. No sto.Data unverified.
Central (Camden)	1.8 E;riv S,W	20	25h		Open to private flying.
Echelon (Ashland)	0.5 SE;RR W	100	27 S6		80,91 oct. Pole line NW.
MARLTON-MEDFORD INC.(Marlton)	1.5 ENE	80	30 S2		80 oct.
Mercer County,new (Trenton)	5 NW; RR SE	211	40h		
Mercer County, old (Trenton)	5.8 NW;RR E	200	25 S1		73,80,91 oct.
Merrill (Barrington)	1 ESE; RR E	70	35 S6		80 oct.No sto.Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 S4		80 oct. Trees N.
Pitman	1.6 NNW;RR E	100	17 S6		80 oct. Pole line S,SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2		80 oct. Pole line SW.

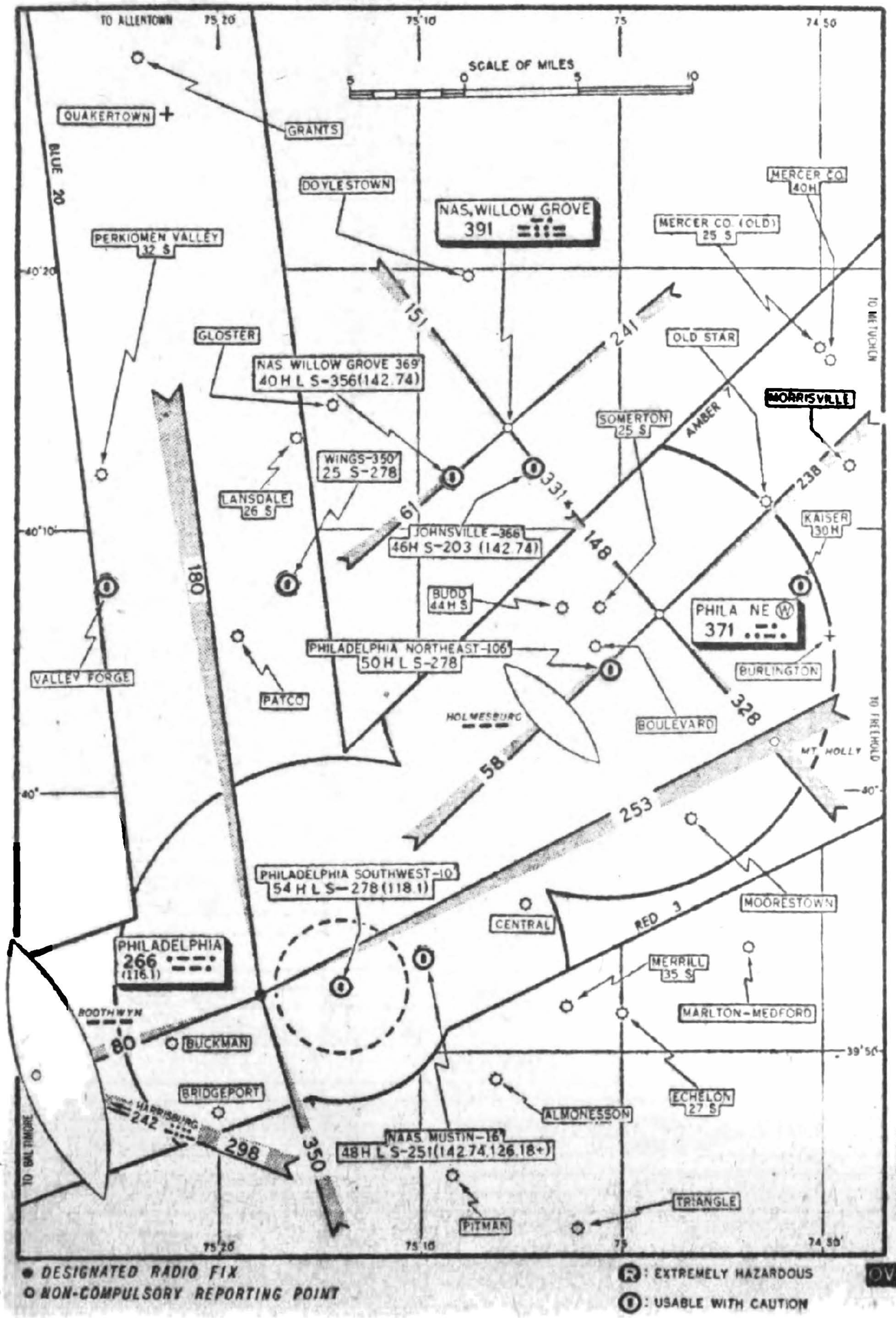
PENNSYLVANIA

Boulevard (Philadelphia)	12 NE; RR SW	160	22 S4		80 oct. Obst sur fld.
Buckman (Chester)	2.3 WSW;RR NW	90	20 S4		80 oct. No sto.
Byrd (Philadelphia)	12.5 NE;RR N	240	44h		
Doylestown	1.5 NNE;RR SW	400	22 S6		80 oct
Gloster (Montgomeryville)	0.7 SE;hwy W	460	22 S1		80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW; hwy E	600	18 S6		80 oct.
(N) Johnsville	0.8 NW; RR E	366	46h R1 S4		91,100 oct. Res't to Navy.
(N) Kaiser (Bristol)	2 N; riv SE	35	38h		Pole line SW. RESTRICTED.
Lansdale	1.6 ESE;hwy SE	450	26 S6		80,91 oct. No sto. Poles NE.
Morrisville	1.6 W;riv E	180	28 S4		80 oct.
(N) Mustin NAAS (Philadelphia)	4 S; riv S	16	48h R1 L5 S6		100 oct. Pole line NE,NAPC.(N)
Old Star (Langhorne)	2.4 E; RR N	180	24 S5		80 oct.No sto. Poles N,S.
Patco (Norristown)	2.5 SE;bet RRs	200	19 S6		80,90 oct. No sto.
Perkiomen (Collegeville)	1.5 NE;rds NE	280	32 S6		80 oct. Obsts sur fld.
(F) Philadelphia Northeast	12.2 NE;hwy W	106	50h R2 L5 S1		80,91 oct.Rdo req.
" SOUTHWEST	6.5 SW;riv SW	10	54h R2 L5 S6		82,91 oct. Rdo rec req.
Somerton (Philadelphia)	14 NE;RR N,E	200	25 S6		80 oct. Poles N,S,W.
Valley Forge (Norristown)	4 WNW;riv NW,SE	250	24 S6		80 oct.
(N) Willow Grove NAS (N)	4 NNW; hwy E	369	40h R2 L5 S4		91,100 oct. No sto.NAPC.NATS.
Wings (Ambler)	3 WSW;rds E,W	350	25 R1 S6		80,91 oct. Trees N,S.
Quakertown	2W; hwy E	511	21 S6		80 oct. Data unverified.

VIRGINIA

Beacon (Alexandria)	3 SSW;hwy E	240	24 L1 S6		80 oct.No sto. Pole line S.
Crossroads (Alexandria)	4.5 NW;RR E	250	20 S1		Ltd 80 oct.
Falls Church Airpark	1.9 SW	350	26 S6		No sto. Data not verified.
Hybla Valley (Alexandria)	4.5 SSW;hwy E	66	58 S6		80 oct. Trees,pole lines sur fld
(N) Quantico MCAS (N)	1.2 SSW;RR W	10	42h R2 L5 S6		73,91,100 oct. NATS.
Springfield (Annandale)	3.5 SSE;RR E,N	240	20 S4		80 oct. No sto. Obsts sur fld.

PHILADELPHIA AREA

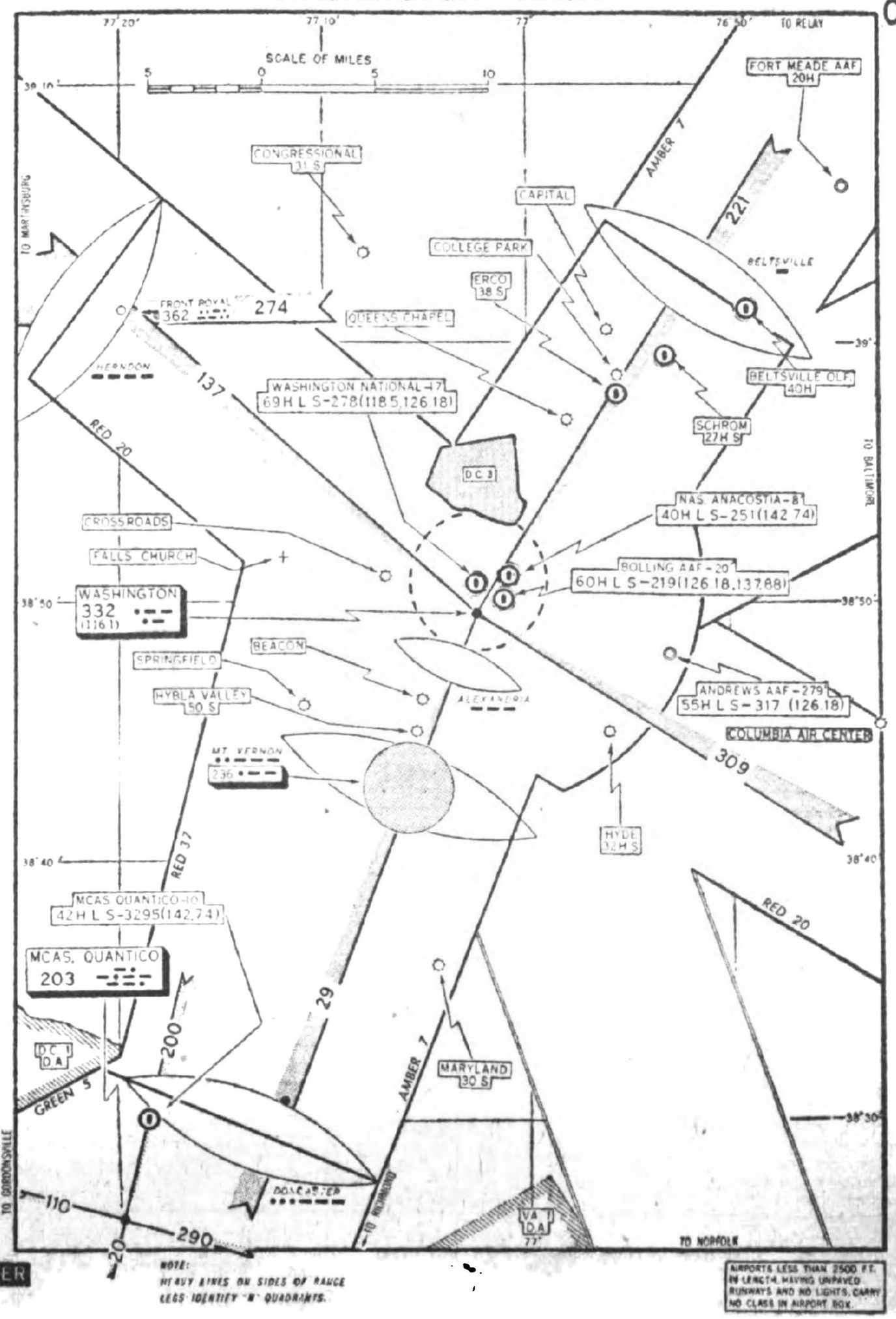


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

OVER

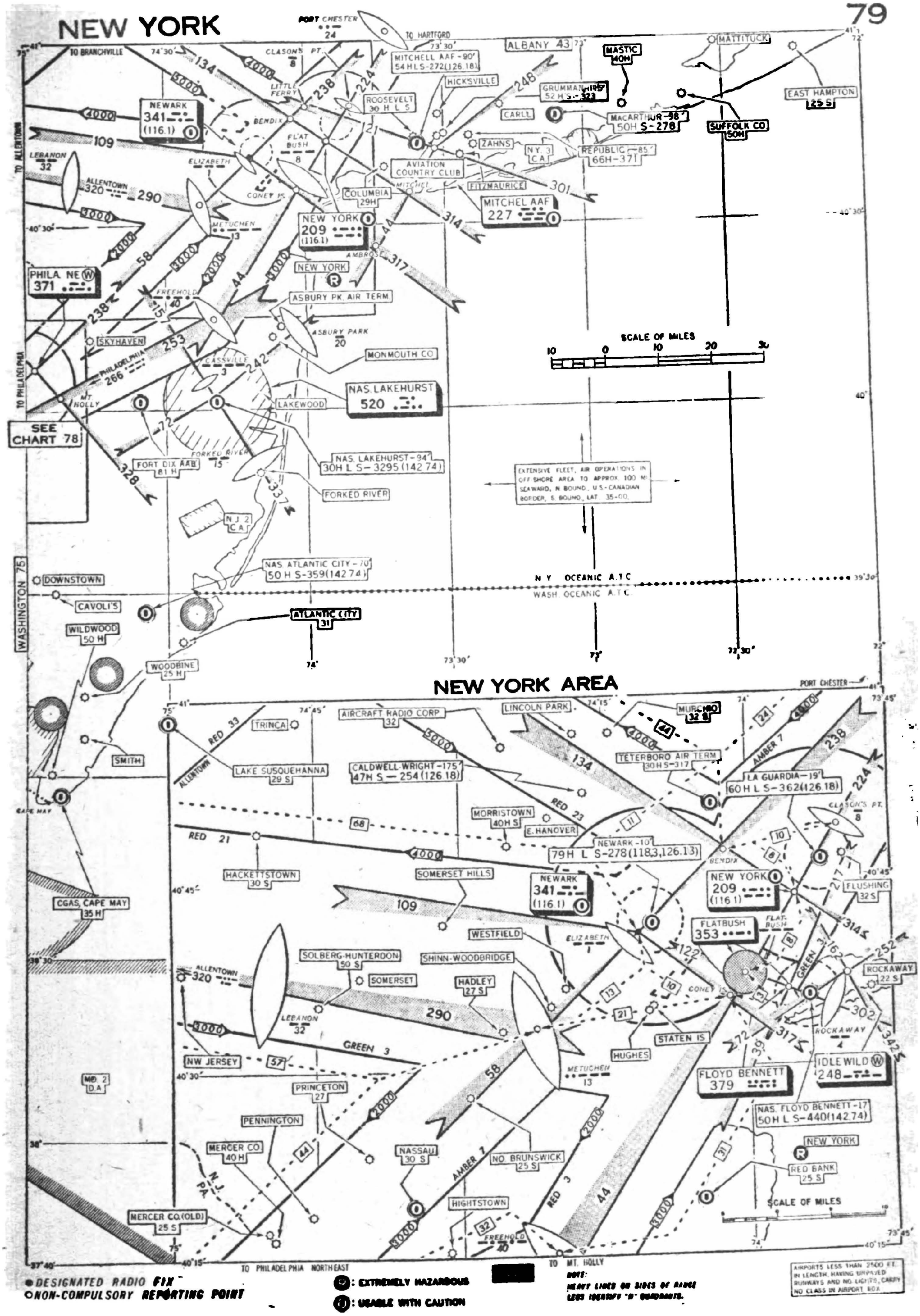
WASHINGTON AREA



NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

NEW YORK



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓔ: EXTREMELY HAZARDOUS

Ⓓ: USABLE WITH CAUTION

NOTE:
HEAVY LINES OR SIDES OF RADIO LEGS IDENTIFY "B" QUADRANTS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

RADIO — NEW JERSEY

LOCATION	FREQ.IDENT	STA. CLASS, BEAR. & DIST.	FREQS.GUARD HRS. OF OPER. REMARKS
ASBURY PARK FM	(-)	FM, 62°,20	Lakehurst NAS
ATLANTIC CITY NAS	359 (142.74)	CN	(3); 142.74(8-Sunset)
CALDWELL-WRIGHT	254 (126.18)	CI	(4);126.18(8:30-sunset,Mon.-Sat.9-sunset Sun.)
CASSVILLE FM(Navy)	(- - - -)	FM,337°,3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°,1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM,157°, 15	Lakehurst NAS
FREEHOLD FM	(- . - . -)	FM,224°, 40	New York, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295(142.74)	CN, 157°, 0.7	(3), 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
METUCHEN FM	(. . - - -)	FM, 238°, 13	Newark
NEWARK	341(NK)(116.1)	SBRAZ-VDT	(3);116.1
→ Newark Airport	278 (126.18) (118.3)	AC (ILS); 58°,1.0	(4);131.9,126.18, 118.3
TETERBORO (Bendix)	317	CI	3105.6210.3117.5 (7-22)

NEW YORK

CLASON'S POINT LFM	(-)	LFM, 44°, 7.5	New York
FLATBUSH	353 (F)	FMK, 224o,8.3	New York
FLATBUSH FM	(- - -)	FM,224°, 8.3	New York
FLOYD BENNETT (New York)	379 (FB)	SBMRLZ-DT	(3)
→ Floyd Bennett Fld NAS	440 (142.74)	CN, 122°, 1.9	(3);142.74 (8-17) (GCA)
GRUMMAN (Bethpage L. I.)	323	CI	(8-1630,Mon.-Fri.)
IDLEWILD	248 (NY)	SMRLW,72°,2.3	
LA GUARDIA(N.Y.)	362 (126.18)	AC (ILS)	(4),126.18,AAL,EAL,TWA,UAL,PCA,CAL)
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 week days,ngt & Sun.if important)
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAPZ-DT	(3)
→ Mitchel Field	272 (126.18)+	CA (ILS),301°,3.2	(3), 126.18
NEW YORK (La Guardia)	209 (LG) (116.1)	SBMRAPZ-VDTX; 44°,3.4	(3), 116.1
PORT CHESTER FM	(. . -)	FM, 44°, 24	New York
REPUBLIC FIELD (Farmingdale)	371	CI	(3) (days)
ROCKAWAY PARK LFM	(- -)	LFM, 122°, 5	Floyd Bennett

PENNSYLVANIA

PHILADELPHIA NORTHEAST	371 (NE)	MLWZ-DT, 238°,2.8	

INSTRUMENT LANDING SYSTEMS *Localizer and G.P. in mcs, Compass Locators in kcs*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE / PLES COMPASS LOCATOR(S)		
LA GUARDIA, NEW YORK	109.9		44°Mag	IM (.05)	HM (.81)	OM (3.45)
					HMK 233 --- (.81)	OMK
MITCHEL, NEW YORK	110.3	335	300°Mag	IM (.06)	HM ..... (.81)	OM -- (4.03)
					HMK 257 -- (.81)	OMK 201 --- (4.03)
NEWARK, N.J.	109.5	332.6	58°Mag	IM	MM (.59)	OM (3.8)
					MMK 201---(.59)	OMK 219 -- (3.8)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aero-Marine Terminal (Keyport)(NC)	1 NE;RR S	10	15	Bldg SW.Hwy S
Acft. Radio Corporation (Boonton)	2.6 N;riv S	550	32	Poles N,E. PRIVATE.
Asbury Park Air Terminal	4.5 W,rd N	100	21 S4	80 oct.125 tank E.
→ Atlantic City	1.3 WSW,RR N	11	31 S2	80,91 oct.Ltd sto.; 350 tank E.lgtd.
(N)Atlantic City NAS(N)	10 NW,RR NE	70	50h R1 L5 S4	91,100 oct.Lgts prior req.
Caldwell-Wright	2.4 N,riv N	175	47h R1 L1 S1	Rest'd factory oper
CG Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED.
Cavoli's(Richland)	1.5 W,RR NE	100	20 S4	80 oct.Poleline NNE No sto.
(N)Clarke(Ocean City)	2.8 SW;RR SE	8	23	Naval tow target practice.
Coyle (Chatsworth)	6 ESE,hwy NE	190	18	(NC)
Downstown(Landisv'l)	1.8 WNW;RR S	120	23 S1	80 oct.Poleline N.
Forked River	1 ESE,riv S	12	18 S4	80 oct.Rnwy data not verified.
(A)Ft.Dix AAB (Wrightstown) (A)	1 SE	120	31h	INACTIVE.
Hackettstown	2 SSW;RR N	560	30 S2	73, 80 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80 oct.
Hightstown & Air Svc.	1.3 SW;RR W	110	19 S6	80 oct.
(N)Lakehurst NAS (LTA)	1 NNW;riv N	94	30h R2 L5 S4	91, 100 oct. (N)
Lake Susquehanna (Blairstown)	2.3 WSW,RR S	330	28 S6	80 oct.
Lakewood	2.5 SE,lk NW	26	S4	80,91 oct. Data unver.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Poleline SE, N.
Mercer Co.(Trenton) (new)	5 NW;RR SE	211	40h	
Mercer Co.(Trenton) (old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co.(Belmar)	5.5 W;rd E	180	30 S5	80 oct.
Morristown	3 E;RR N	187	40h L5 S4	80 oct.No sto.
Murchio (Paterson)	4.5 WNW;rd N	350	32 S4	80 oct.Trees N.
Nassau Arpk.(Clarksville)	1 NE,RR SE	80	30 S4	80 oct.Pwrline SSE
(A)NEWARK	3.5 SSE;RR E	10	79h R3 L5 S1	80,91,100 oct.JP-1.No sto.2-way rdo req.FBO
North Brunswick	2 SW;RR E	120	25 S2	No fuel.Poles ENE,
Northwest Jersey (Clinton)	3.5 W,RR S	380	19	Poles N,S. ESE.
Ocean Co.(Adamston) (NC)	1 SW,riv N	14	21	Obsts sur fld.
Pennington	2 ESE,RR W	230	20 S6	80 oct.No sto.Pole line ESE.
Princeton	3 N,riv E	160	27	Poleline E,ESE.
Red Bank	1 S;RR E	80	25 S6	80,91 oct.Poleline W
Shinn-Woodbridge (Woodbridge)	3.9 NW,RR E	120	21 L S4	73,80 oct.Poleline SE.
Smith C.H.(Cape May)	2.2 NE;RR W	20	19	Pole line WNW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	50 L S6	80, 91 oct. Unverified.
Somerset Hills (Basking Ridge)	1.6 SE,RR S	250	24 S6	80 oct.Pole line W.
Teterboro-Air Terminal (Bendix)	0.5 SW,RR NW	5	30h R1 L4 S1	80 oct.No bndry lgts.
Trenton (NC)	6 NE;RR I SE	70	15	Rest'd to USFS.
Trinca (Andover)	2 WSW,RR E	600	24 S6	73 oct.
Westfield (Rahway)	2 W;lake N	100	24 S4	80 oct.No sto. Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h	Obsts S.
(P)Woodbine	2 SE	39	25h	Trees sur fld. At jct RRs.

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
← Bender's-Brentwood (Brentwood)(NC)	1 ENE,RR N	85	10	CAUTION - Construction
Carll Skyport (Commack)	1 S,RR N,S	140	24 S1	80 oct.Trees S,SE.
Columbia (Valley Stream)	1 SW,RR N	15	29h	
Davis Flight Strip (Bayport)(NC)	1.3 NNW,RR S	40	22	
Deer Park (NC)	0.8 ESE,RR N	75	10	Trees adj E.Pole line W.
Donovan Hughes (Greenridge)	1 N,crks S,W	10	17 S1	80 oct.
East Hampton	2.5 W,RR S	40	25 S4	80 oct. No sto.
Fitzmaurice (Massapequa)	1.5 ENE,RR S	36	14 S6	80 oct.No sto.Trees N,S
(N)Floyd Bennett NAS (New York)(N)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto.No bcn.
Flushing	1.5 NNW,pkwy E	4	32 L S4	80 oct. Pole line W,SW. Port.rnwy lgts prior req.
Grumman (Bethpage)	0.5 W,RR NE	115	54h R1 S5	91,100 oct.Poles SW,SE.
Hicksville Airpark	2.4 N,RR E	190	20 S4	80 oct.Rnwy data unver.
(N) LA GUARDIA → (New York)	5 E,riv N	19	60h R3 L6 S1	73,100 oct. Rdo rcv rqrd FEE.
(P)MacArthur (Islip)	8 NE,RRs N,S	98	50h R1 L5 S1	91 oct.All lgts prior req. Rdo rqrd.
Mastic Flight Strip	2.6 NW	66	40h	
Mattituck	0.8 ESE,bay S	12	25 S6	80,91 oct.Poles N.
(A)Mitchel (Hempstead) (A)	0.5 NE,RR N	90	54h R3 L6 S6	73,91,100 oct. JP-1. FOREIGN CLEAR.STN
Nassau (Hempstead)	4.5 E,hwy N	80	21	
Republic (Farmingdale)	1.3 ENE,RR N	85	66h R1 L5	NE blocked. Closed ngts, trans, PRIVATE.
Richmond Co.(Travis) (NC)	0.5 SW,riv W	10	24	160' chimney SW
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct. Pwr line S,SE Port rnwy lgts.
Roosevelt (Mineola)	1.6 ESE,RR N	90	30h L3 S5	80,91,100 oct.Wires NE
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S,rd W	40	22 S4	80 oct.Pole line SW
Suffolk Co.(Westhampton Beach)	2.6 N	69	50h	
Zahns(Amityville)	2.5 NNE,RR NE	80	22 S6	80 oct.Pole line SW

PENNSYLVANIA

→ Skyhaven Aircenter (Morrisville)	1.2 SSE,RR W	25	26 S4	80 oct.
East Hanover (N.J.)	1 N	170	15 S2	80 oct. Pole line W.
Somerset (Somerville, N.J.)	4.6 NW,RR SE	105	20 S5	80,91 oct. Trees W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA.

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
BANNING FM	(-)	FM, 76°,25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°,41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (San Bernardino Co.)	365(DG)(116.1)	SBRAZ-VDT,149°,0	(4); 116.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°,16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°,11	Long Beach
LA HABRA FM	(. . -)	FM, 77°,21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°,42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, . 118.3)	AC	(4);126.18,118.3,131.9
LONG BEACH	233(HB)(116.1)	SBMRLZ-VDT, 298°, 3.9	(3); 116.1
LOS ANGELES	260 (LA)	SBRAZ-DTX,244°, 3.8	(3)
MARCH FIELD →(Riverside)	201 (126.18)+	CA	(3); 126.18
MIRAMAR MCAS (San Diego)	3295(142.74)	CN	(3); 142.74 (GCA)
MOJAVE NAS	3295(126.18, 142.74)	CN	(3); 126.18,142.74
MT. LAGUNA	254(TN)(116.1)	MHVT	(4); 116.1
MUROC (Army) Muroc AAF	350(DUC) 219 (126.18)	MRL CA; 64°,2.2	(3); 126.18
→NEWHALL (Int.)	209(NH)(116.1)	SBMRL-VDT,317°,0.1	(4); 116.1
OCEANSIDE	326(OC)(116.1)	MHVT	(4); 116.1
OCEANSIDE FM	(- - - -)	FM, 325°,34	San Diego
PALMDALE	332(PA)(116.1)	SBMRAZ-VDT,216°, 2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105;142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Field)	388(RV)(116.1)	SBMRAZ-VDT, 128°,2.9	(4); 116.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
SAN CLEMENTE ISLAND NAAS	3295(142.74)	CN	3105,4495;142.74
SAN DIEGO (Lindbergh Field)	224(SQ)(116.1)	SBRAZ-VDT,139°, 2.3	(3); 116.1
San Diego NAS	266 (142.74)	CN	(3);126.18,142.74 (GCA)
San Diego NAS (Seaplane)	2870	CN	
TRONA (Int.)	323 (EW)	SBMRAZ-DT,349°, 11	(4) Not manned cont. →
VICTORVILLE AAF	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

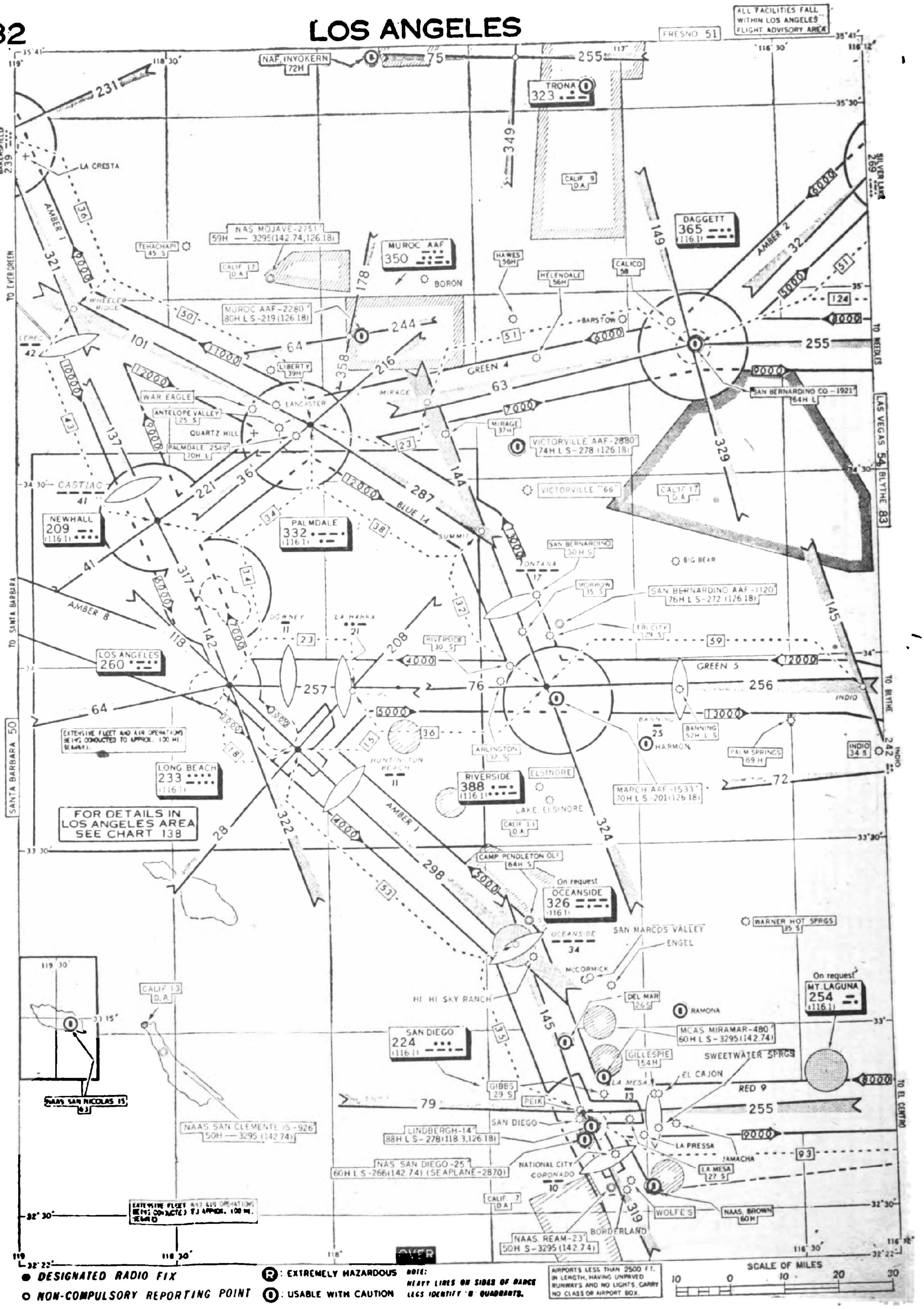
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116 f. 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S,hwy E	2470	25 L S2	Ltd 73 oct. Port rnwy lgts
Arlington(Riverside)	4.5 WSW,RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE,RR N	2190	52h L5 S5	80,91 oct. No sto.
Barnes(Rosamond)	12 E,rd N	2300	38	(NC)
Barstow	1.8 N,hwy S	2159	24 S6	80 oct.
Big Bear City	0.5 NW,hwy S	6850	24	
→Borderland(San Ysidro)	1.5 WNW,RR W	80	18 S6	80,91 oct. No sto. Pole line SE.
Boron	0.5 NE,RR S	2550	21 S1	80 oct. Poles E. Data unver.
(N) Brown NAAS (Otay)(N)	5.5 ESE	512	60h	INACTIVE.
Buffalo Springs(Avalon) (NC)	7 NW	1560	35	On Catalina Island. PRIVATE.
→Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
(N) Camp Pendleton OLF (Oceanside)(N)	6 NNE,RR SE	75	64h L S1	NATS.
(N) Castle OLF (San Clemente Island) (N)	On NW end San Clemente Isl.	163	20	(NC)
(N) Clark's Dry Lake OLF (Salton Sea)(N)	25 W of ctr.	450	50	On W portion Dry Lake. (NC)
Del Mar	1.1 NNE	11	26 S1	80,91 oct. 1000' paved rnwy. Data unver.
El Cajon	2.5 N,hwy W	450	23 S6	80,91 oct. No sto.
→Elsinore	1 SSE,RR N	1256	26 S4	80 oct. No sto. Hills NW.
Engel(Escondido) →	1.5 W,RR N	630	19 S4	73,91 oct. No sto. Trees SE, hill NW.
Gibbs(San Diego)	7 NNE,hwy W	405	29 S4	87 oct. No sto. Poles NE,E
Gillespie(Santee)	1 SSW,rd E	385	54h	Towers W.
Harmon(San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto.
Hawes(Victorville)	27.5 N,RR N	2319	56h	
Hi Hi Sky Ranch	1.5 ENE,RR S	48	18 S6	80,91 oct. No sto. Trees NE, SW.
Helendale(Victorv'l)	20 N	2508	56h	
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct. No sto. Pwr line W
(N) Inyokern NAF (N)	0.5 WNW,RR E	2455	72h	INACTIVE.
→Jamacha(La Mesa)	6.8 ESE,riv N	520	18 S6	80,91 oct. Hills E.
La Cresta(Bakersfield)	2.5 NE	660	36h S1	80,91 oct. Data unver.
→Lake Elsinore(Elsinore)	4 SSE,lk W	1252	15 S4	80 oct. No sto.
→Lakeside				ABANDONED.
La Mesa	2 WSW,hwy N	500	27 S4	80 oct. Pole line SSE.
Lancaster	0.5 NW,RR E	2330	22 S4	73 oct. No sto. Poles E,S
La Pressa(La Mesa)	4 S,hwy W	275	19 S4	80 oct.
Liberty(Rosamond)	4.1 S,RR E	2300	39h	
(A) LINDBERGH (San Diego)	2 W	14	88h R2 L5 S6	80,91 oct. Rdo required. ARPT OF ENTRY.
(A) March (Riverside) →(A)	3.8 SE,RR SSW	1533	70h R2 L5 S6	62,73,91,100 oct. JP-1. FOREIGN CLEAR STN
McCormick (San →Marcos)	1.5 WSW,RR N	550	21 S6	80,91 oct. Poles E.
Mirage(Victorville)	18 WNW,rd S	2865	37h	
(N) Miramar MCAS (San Diego) (N)	9.5 N	480	60h R1 L5 S4	91,100 oct. No ben.
(N) Miramar OLF (San Diego) (N)(NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N)	0.7 E,hwy W	2751	59h R1	C-L-O-S-E-D.
Morrow (Rialto)	1.8 S,RR N	1100	35 S5	80,91 oct. Pwr line W.
(A) Muroc AAF (A)	2 S,dry lake N	2280	80h R2 L5 S6	73,91,100 oct. JP-1. No sto. CLOSED.
National City	1.1 SSE,RR W	10	22 S4	80 oct. Poles, stack NW.
(P) Palmdale	3 NE,RR W	2549	70h R1 L5 S2	91,100 oct.
(N) PALM SPRINGS	2.5 E,RR NE	448	69h L5	Lgts prior req.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct. No sto. Twr SE.
Quartz Hill (Lancaster)	6.5 SW	2450	29 L S1	80,91 oct. Port rnwy lgts. Data unver.
Ramona	0.6 WNW,	1440	15 S1	80 oct. Road NE.
Randsburg (NC)	1.8 NE,rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W	23	50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N)(NC)	6 N,RR W	400	15	
Ryan (Hemet)(NC)	2.5 WSW	1502	23	RR SE.
San Bernardino	4.7 NNW, RR W	1425	30h L S6	Port rnwy lgts on req. Rnwy data unver.
(A) San Bernardino AAF (A)	3.5 ESE,RR SW	1120	76h R1 L5 S6	62,73,91,100 oct. JP-1.
San Bernardino Co. (Daggett)	5 E,RR S	1921	64h R1 L3	
(N) San Clemente Island NAAS (N)	8 S of N end	926	50h R1	INACTIVE.
→San Diego	5 NW,bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1 L5 S6	91,100 oct. NAFC.
San Marcos Valley (San Marcos)	1 W,RR,hwy S	530	19 S4	80 oct. No sto. Hill NE
(N) San Nicolas Island NAAS (N)	On E end Isl.	502	63	INACTIVE.
→Sweetwater Springs Airanch (La Mesa)	4.2 SE,hwy N	475	22 S1	80,91 oct. Fence E.
Tehachapi	1 N,RR S	3952	45 L S2	73,91 oct. Range lgts. Pole line SE.
→Tri-City (San Bernardino)	3.3 SSE,RR S	1015	29 L S4	91,80 oct. Poles SE,W. Port rnwy lgts.
(A) Victorville AAF(A)	6 NW,RR E	2880	74h R1 L5 S5	100 oct.
Victorville "66"	5.2 SSW,RR E	3225	32 S4	80 oct. No sto.
War Eagle (Lancaster)	5 W,hwy N	2350	31	
→Warner Hot Springs	3 W,hwy NE	3140	35 S1	Ltd 80 oct. Trees E,S
→Wolfe's Arpk (Otay)	1.2 SE,RR W	220	30 S1	80,91 oct. Hills SE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted). → NEW OR REVISED DATA

LOS ANGELES


ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA
FRESNO 51
NAF, INYOKERN 72H
TRONA 323
CALIF 9 D A
DAGGETT 365 (116.1)
BAKERSFIELD 239
LA CRESTA
TEHACHAPI 45 S
NAS MOJAVE-2751' 59H — 3295(142.74,126.18)
CALIF 17 D A
MUROC AAF 350
BORON
HAWES 56H
HELENDALE 56H
CALICO 58
MUROC AAF-2280' 80H L S-219(126.18)
WHEELER RIDGE
LEREC 42
LIBERTY 39H
WAR EAGLE
ANTELOPE VALLEY 25 S
QUARTZ HILL
PALMDALE 2549' 70H L
LANCASTER
MIRAGE
BARSTOW
GREEN 4
SILVER LAKE 299
TO EVERGREEN
TO SANTA BARBARA
CASTIAC 41
NEWHALL 209 (116.1)
PALMDALE 332 (116.1)
BLUE 14
SUMMIT
VICTORVILLE AAF-2880' 74H L S-278 (126.18)
MIRAGE 37H
VICTORVILLE "66"
CALIF 17 D A
SAN BERNARDINO 30H S
ONTARIA
BIG BEAR
MORROW 35 S
SAN BERNARDINO AAF-1120' 76H L S-272 (126.18)
SAN BERNARDINO CO-1921' 64H L
TRI CITY 29 S
LOS ANGELES 260 (116.1)
DOWNEY 11
LA HABRA 21
RIVERSIDE 30 S
GREEN 5
INDIO
TO NEEDLES
LAS VEGAS 54
BLYTHE 83
TO BLYTHE
INDIO 242
INDIO 34 S
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.
LONG BEACH 233 (116.1)
HUNTINGTON BEACH 11
ARLINGTON 32 S
RIVERSIDE 388 (116.1)
ELSINORE
LAKE ELSINORE
HARMON
BANNING 52H L S
PALM SPRINGS 69 H
MARCH AAF-1533' 70H L S-201(126.18)
FOR DETAILS IN LOS ANGELES AREA SEE CHART 138
CAMP PENDLETON OLF 64H S
On request
OCEANSIDE 326 (116.1)
OCEANSIDE 34
SAN MARCOS VALLEY
ENGEL
McCORMICK
WARNER HOT SPRGS 35 S
HI HI SKY RANCH
DEL MAR 26 S
RAMONA
On request
MT. LAGUNA 254 (116.1)
SAN DIEGO 224 (116.1)
MCAS MIRAMAR-480' 60H L S-3295(142.74)
GILLESPIE 154H
SWEETWATER SPRGS
EL CAJON
LA MESA 13
RED 9
GIBBS 29 S
PEIK
SAN DIEGO
LINDBERGH-14' 88H L S-278(118.3,126.18)
LA PRESSA
JAMACHA
LA MESA 27 S
NAAS SAN NICOLAS IS 63
NAAS SAN CLEMENTE IS-926' 50H — 3295 (142.74)
NAS SAN DIEGO-25' 60H L S-266(142.74) (SEAPLANE-2870)
NATIONAL CITY
CORONADO 10
CALIF 7 D A
WOLFE'S
NAAS, BROWN 60H
BORDERLAND
NAAS, REAM-23' 50H S-3295(142.74)
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD
CALIF 13 D A
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY "R" QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

BLYTHE

83

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA

LAS VEGAS 54

TWENTY-NINE PALMS 40H

PALM SPRINGS 69H

DESERT CENTER 38 L S

DESERT CENTER 50H

CALIF. 18 D.A.

RICE 55H

PARKER 32

AGUILA 45H

ECHEVARRIA 40H

CALIF ARIZ

GARY–392' 29H

CONNER 38

TONOPAH 34 L

PERRYVILLE 29

INDIO 34 S

INDIO 242 (116.1)

THERMAL 50 H

PORT MECCA

SHAVERS SUMMIT 60H

HARVEY

SALTON SEA 40

BLYTHE 70H

HERON 27 S

SALOME 41 L

GILA BEND 257 (116.1)

BLYTHE 251 (116.1)

LAGUNA 50H

CALIPATRIA

BRAWLEY 30 S

O'CONNELL

IMPERIAL CO 32 S

CALIF. 4 D.A.

NAS. EL CENTRO –(–43') 69H L S–317 (142.74)

CALIF. 12 D.A.

TO SAN DIEGO

TO CASA GRANDE

GILA BEND AAF–850 62H L

DATELAN AAF 66H

GILA BEND NO 5 37H

GILA BEND NO 6 37H

GILA BEND NO 4 37H

ARIZ. 1 D.A.

AJO AAF 64H L S

MARSH 40 S

YUMA 230 (116.1)

WELLTON

FLY 65H S

EL CENTRO 212 (116.1)

HOLTVILLE 60H L S

CALEXICO 28 S

SOMERTON 30 S

On request MT. LAGUNA 254 (116.1)

JACUMBA HOT SPRINGS OLF 25

ARIZ MEXICO

LOS ANGELES 82

PHOENIX 86

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

SCALE OF MILES.
25 0 25 50

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-VDT,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA	230(UP)(116.1)	SBMRAZ-VDT,165°,5.8	(4); 116.1
BLYTHE	**251(YH)(116.1)**	**SBMR**AZ-VDT,268°,4.1	(4); 116.1
EL CENTRO	**212(MB)(116.1)**	**SBMR**LZ-VDT	(4); 116.1
El Centro NAS	**317 (142.74)**	**CN, 320°, 3.5**	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	**242(IN)(116.1)**	**BMRLZ-**VDT	(4); 116.1
MT. LAGUNA	**254(TN)(116.1)**	**MHVT**	(4); 116.1

S-Simul. Range and Voice; **W-Without Voice;** Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. **Paren**thetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards **116**.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aguila	1.5 NNW	2000	45h	
(A) **Ajo** AAF (A)	6 N,RR NE	1434	64h S4	91, 100 oct.
Conner (Quartzsite)	0.3 SSW,hwy N	850	38	150' hill S.
(A) **Date**lan AAF	4 W Aztec	450	66h	INACTIVE. RR S.
Echeverria (Wickenburg)	14.8 WSW,RR N	2380	40h	
(A) **G**ila Bend AAF (A)	4 S,hwy W	850	62h R1 L5	
(A) **G**ila Bend #4 (A)	18 SSW	1000	37h	INACTIVE.
(A) **G**ila Bend #5 (A)	15.3 SW	800	37h	INACTIVE.
(A) **G**ila Bend #6 (A)	7.7 WSW	800	37h	INACTIVE.
Laguna Landing Strip (Laguna)	6.5 NE	500	50h	
Marsh (Yuma)	0.7 E,RR W	130	40 S1	80 oct.
Parker	1.4 ENE;RR W	430	32 S2	No fuel. Fld rough.RR S.
Salome (NC)	0.7 S,hwy N	1876	45	15' poles NW.
★ Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi.E,3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,riv E	2000	24	Trees SSE.
Smiley (Wellton)	13 E,RR S	250	26	Poles SW, NE. (NC)
Somerton	3 ENE,RR W	250	30 S3	80 oct. No sto.
★ Tonopah Int,31, LA-PH	5 NNE Wintersburg	1102	34 L2	
Wellton	0.5 NW,RR S	225	24 S2	73,80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe	7 W,hwy S	397	70h R1	
(N) Borego Hotel OLF (Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
→ Brawley	1.3 NE,RR W	-120	30 S6	80 oct. Poles SE,E. OF ENTRY
→ Calexico	1.2 W,riv N	0	28 S6	80,91 oct. Data unver. ARPT
→ Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto. 35' poles all zones.
(N) Clark's Dry Lake OLF (Salton Sea)	25 W of center	450	50	On W portion Dry Lake. (N) (NC)
(N) Coyote Wells OLF -North (El Centro)	21 NW	300	26	(N) (NC)
(N) Coyote Wells OLF -South (El Centro)	21 WSW	300	25	(N) (NC)
Desert Center	2.5 NE,rd NW	555	50h	
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck)
(N) EL CENTRO NAS	7 WNW,RR S	-43	69h R2 L5 S4	91, 100 oct. No sto. (N)
Gary (Blythe)	5 NNW,RR N	392	29h	
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct. No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S1	73 oct. Poles N. only.
→ Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct. Poles SE. No bcn. Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct. No sto. Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLP (Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		17 S6	80 oct. Data unver.
(N) PALM SPRINGS	2.5 E,RR NE	448	69h L5	Lgts prior req.
→ Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
Shavers Summit (Indio)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W.
Thermal	1.8 SW,hwy W	-117	50h	
Twentynine Palms	4.8 N	1768	40h	
Fly (Yuma,Ariz.)	4.5 SSE.RR N	213	65h R1 L S2	80 oct. Ltd sto. Bndry lgts prior req.

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(CJ)(116.1)	SBMRAZ-VDT,259°,2.3	(4); 116.1
→ DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)+	C	(3); 116.1,126.18,113.3,131.9
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3); 142.74 (0730 to sunset)
LUKE (Phoenix)(Army)	219(DRM)	BMRLZ	(3)
→ Luke Field	396 (126.18)+	CA, 163°, 8.2	(3); 126.18
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-VDT,261°, 2.3	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 131.9
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-VDT,307°,3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18
NEW MEXICO			
RODEO (Int.)	254(RH)(116.1)	BMRLZ-VDT,24°,0	(4); 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

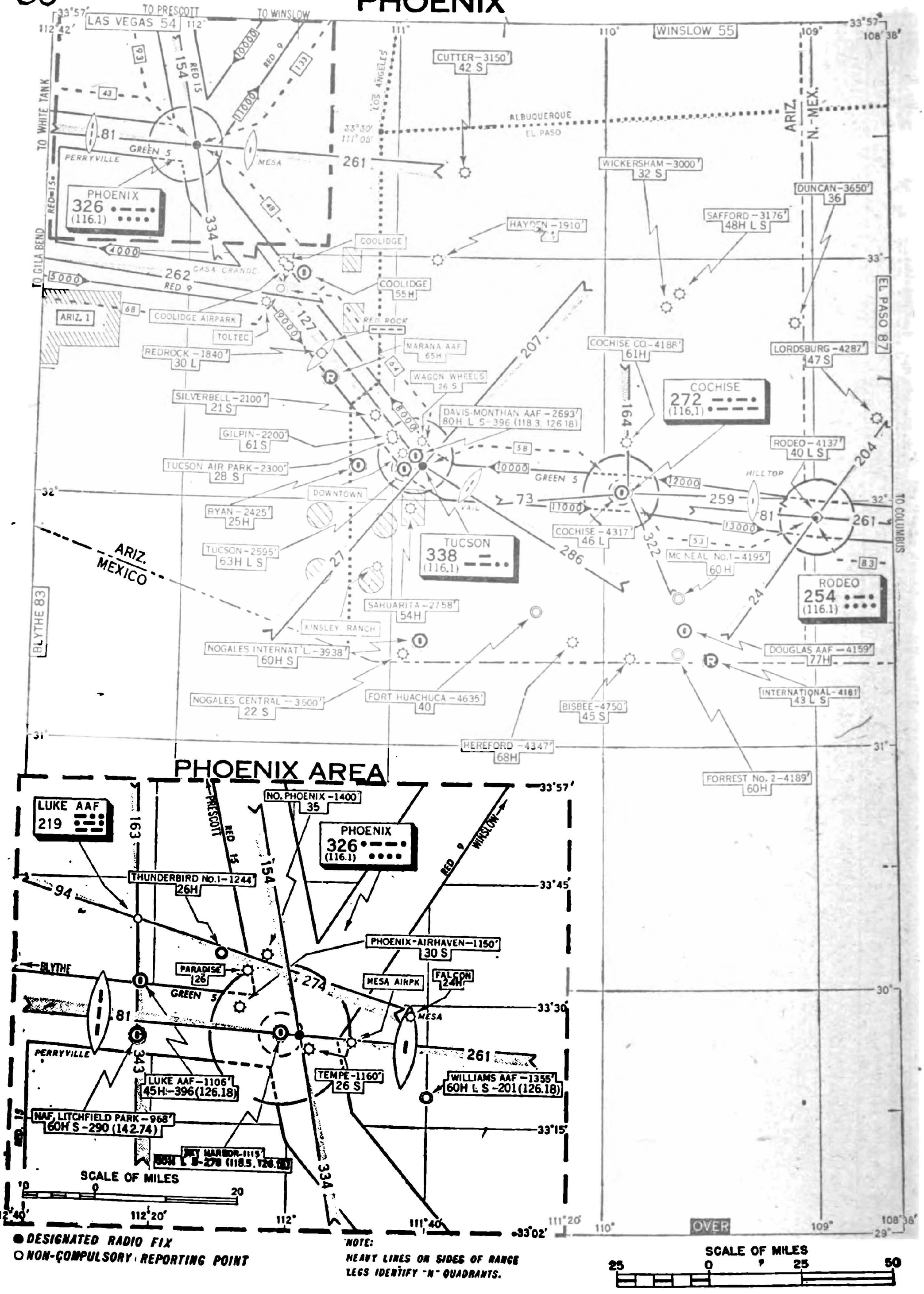
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW,RR N	1050	26	
Bisbee	6.4 SSE,RR W	4750	45 L S4	80 oct.Poles W.Port.rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Greenlee (Clifton)(NC)	8.7 SSE,hwy W	3800	35	
* Cochise Int.T-3,PH-EO	6 S,hwy E	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S,RR E	1450	34	
Coolidge	6.4 SE	1587	55h	Closed, emerg. use only.
Coolidge Flying Field	1.5 WSW,RR E	1450	21 S1	80 oct. Pole line E.
Cutter (Globe)	6.8 ESE,RR N	3150	42 S4	80 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	5 SE,RR SW	2693	80h R2 L5 S6	73-100 oct. JP-1.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	INACTIVE.Twrs E.
Duncan	1 NE	3650	36	Poleline, race track W.
Falcon (Mesa) (NC)	7.3 NE,hwy S	1332	24h	
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	INACTIVE.
Ft.Apache (White River)(NC)	2.6 SSW,riv S	5200	34	Trees S.
(A) Ft. Huachuca (A)	4 E,RR NW	4635	40	
Gilpin (Tucson)	4.2 NW,RR W	2200	61 L5 S6	80,91 oct.Poles E, SW.
Hayden	1.2 S,hwy E	1910	24	
Hereford	2.5 WSW,rd N	4347	68h	Twr SE.
INTERNATIONAL (Douglas)	3.3 E,hwy N	4181	43 L4 S4	80,91 oct.Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW,riv E	3100	31	RR E
Litchfield (Litchfield Park)(NC)	0.5 NW,canal S	1062	23	Trees SW.
(N) Litchfield Park NAF (N)	4.8 S,riv E	968	60h R1 S1	100 oct.
(A) Luke (Phoenix)(A)	18 WNW	1106	45h R2	INACTIVE.
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	INACTIVE
(A) Marana AAF (A)	6 NW,hwy NE	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W
Mesa Airpark	1.4 W,RR SE	1238	27 S1	80 oct. Poleline E.
Nogales Central	3 N,RR E	3600	22 S6	80 oct.No sto.

ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Nogales International	8 NE,hwy N	3938	60h L5 S4	73,80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35	
Paradise (Glendale)	5 ENE,canal S	1256	26 S2	No fuel. Trees S.
Phoenix Airhaven	3.9 WNW,RR W	1150	30 S6	80 oct.No sto.Poles SW,NE.
* Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	30 L4	
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
Safford	4.5 ENE,riv S	3176	48h L5 S5	80,91 oct. Fld lgts prior req.
Sahuarita Flight Strip	2.2 E,hwy W	2758	54h	
Sells (NC)	2 NW,rd E	2380	30	
Silverbell (Tucson)	11.2 NW,RR E	2100	21 S1	80 oct.
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	73,80,91,100 oct.
Superior (NC)	2 WSW,hwy N	2600	15	Pole line NE.
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W.
Three Point (Casa Grande)(NC)	1.5 NNW,RR SW	1400	32	
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	25	Allway: 2500 x 2000'
Toltec	0.4 NNW,RR W	1500	26	Poles SSW,SW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	28 S1	Ltd 80 oct.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct.No sto.Poles S,SE.
Wickersham (Safford)	2.5 S,RR NE	3000	32 S6	80, 91 oct.
Willcox (NC)	0.9 WNW,hwy E	4186	36	75' trees SE,bldgs NE.
(A) Williams (Chandler) (A)	10 E	1355	60h R1 L5 S6	73, 91, 100 oct. JP-1.
NEW MEXICO				
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
* Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
Downtown (Tucson,Ariz.)	1.4 S,RR SW	2400	34 S2	80,91 oct. Poles N.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted). → NEW OR REVISED DATA.

PHOENIX



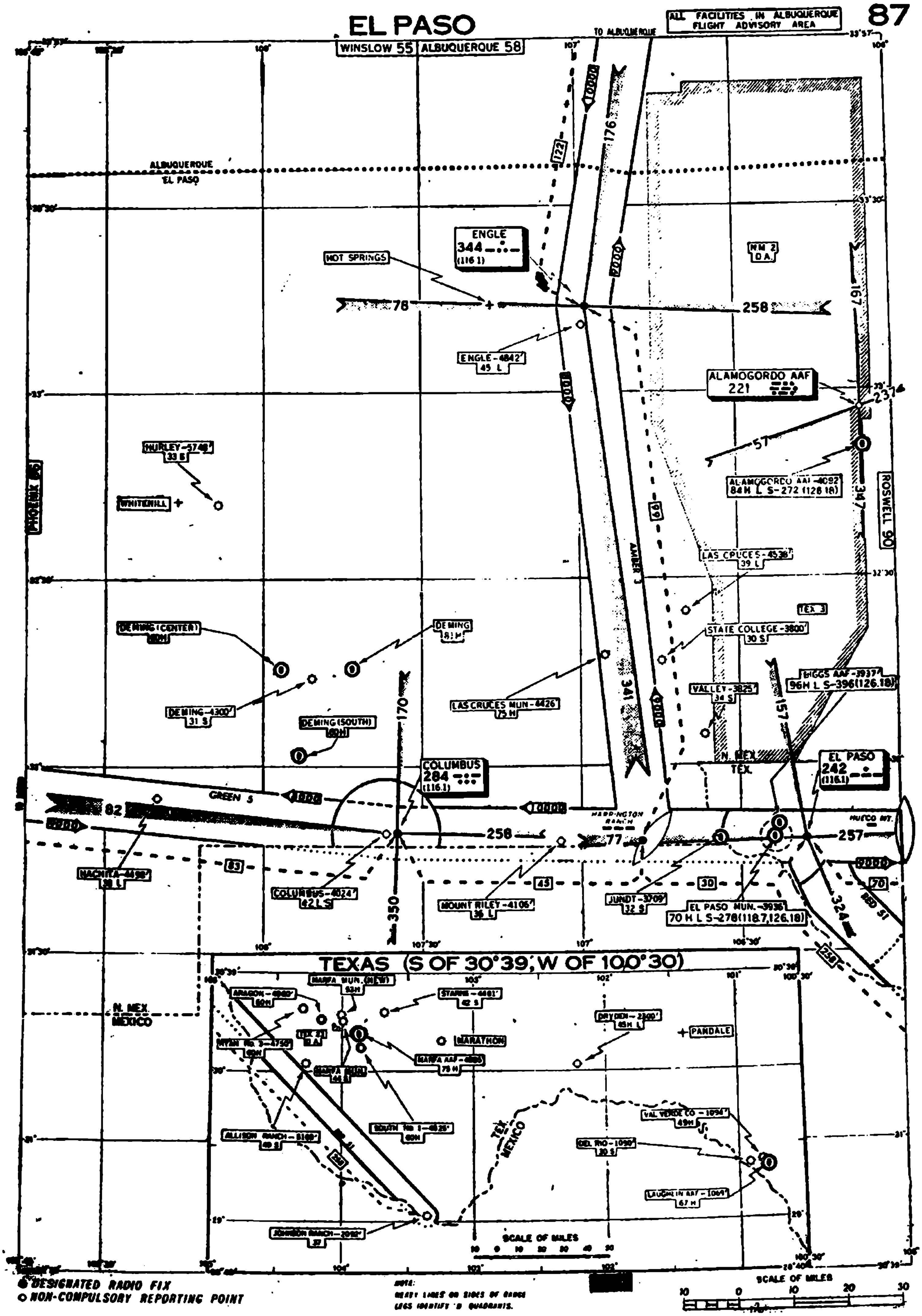
PHOENIX AREA

● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

EL PASO



NOTE:
HEAVY LINES ON SIDES OF BASIC LEGS IDENTIFY 'B' QUADRANTS.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMOGORDO (Army Alamogordo AAF	221 (DGR) 272 (126.18)	BMRLZ CA(ILS):167°,6.5	(3);4220;126.18 (3);126.18 (0730-1930) Mon-Fri. (Sat. & Sun. 730-1630)
COLUMBUS (Int.)	284(KS)(116.1)	SBMRAZ-VDT, 262°, 1.9	(4); 116.1
ENGLE (Int.)	344(EX)(116.1)	SBRAZ-VDT,176°, 2.9	(4); 116.1
HARRINGTON RANCH FM	(- - -)	FM, 257°, 28.5	El Paso, Texas
TEXAS			
→ BIGGS FLD (El Paso)	396 (126.18)+	CA (ILS)	(3); 126.18
EL PASO	242(EO)(116.1)	SBRAZ-VDT	(3); 116.1
El Paso Mun. Arpt.	278 (126.18) (118.7)	AC:257°, 4.9	(4);131.9,118.7,126.18
HUECO MTN. FM	(-)	FM, 77°, 18	El Paso

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Alamogordo, N. Mex.	109.9		155° Mag.	IM- ····· (.22)	MM- (1.00)	OM- -- (4.48)
					MMK-	OMK-
Biggs, Tex.	109.9		213° Mag.	IM- (.26)	MM- ····· (.85)	OM- -- (3.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Alamogordo AAF(A)	8.5 SW,hwy S	4092	84h R3 L5 S4	73, 100 oct.
★ Columbus Int,34, PH-EO	0.6 ESE,hwy N	4024	42 R1 L3 S1	73 oct.
Deming	2 ESE,hwy W	4314	81h	Clsd,emerg.use only.
Deming Arpk.	6 WSW,RR N	4300	31 S4	73 oct.No sto.
Deming (South)	19.5 SSW	4240	60h	Cattle on fld.Clsd, emerg.use only.
Deming (Center)	11.5 W,hwy S	4440	60h	Clsd,emerg.use only
★ Engle Int,10,EO-PU	2.6 E,hwy S	4842	45 R1 L3	
★ Hachita Int,29B, PH-EO	0.8 W,RR N	4498	38 L3	Pole line N.
Hot Springs	7.4 N,hwy E	4500	75 S4	80 oct.Rnwy data unver.
Hurley	0.8 W,RR E	5748	33 S4	73 oct.No sto.
Jundt (Strauss)	8.8 ESE,hwy NE.	3709	32 S6	73,80 oct.No sto.Trees E.
Las Cruces (NC)	1 NE,hwy N	3900	35	
Las Cruces, mun.	8.5 W,hwy S	4426	75h	Cattle on fld.
Las Cruces 4,EO-PU	9.5 NE,hwy S	4538	39 L3	Pwr line S, Mtn E.
★ Mt.Riley Int,37,PH-EO	1.8 SE,RR N	4106	36 L2	
Silver City (NC)	11.5 SE,hwy E	5400	54	
State College (Mesilla Park)	1.2 E,RR W	3800	30 S6	73 oct.No sto.
Tularosa (NC)	2.2 N,RR W	4550	25	Use strips only.
Valley (Berino)	1 ENE,hwy W	3825	34 S1	73 oct.50' hi-line E.
Whitehill (Silver City)	4 SSE	5800	30	Poleline N.Rnwy data unver.
TEXAS				
Allison Ranch (Marfa)	23.4 SW,hwy E	5100	49 S1	73 oct.
(A) Aragon #5 (Marfa)	9 WNW,RR,N	4880	60h	INACTIVE. Hwy N(A)
(A) Biggs (El Paso)(A)	6 NE,RR W	3937	96h R3 L5 S6	73,91,100 oct.JP-1.No
Blair Ranch (Marathon (NC)	23.5 SSW,hwy E	4180	24	PRIVATE. range.
Castolon (NC)	0.8 NNW,riv SW	2300	16	High butte 1/2 mi E.
Cox Ranch (Longfellow) (NC)	8.4 WSW,RR S	3700	48	PRIVATE.
Decker Ranch (Candelaria) (NC)	11.5 N	3650	29	PRIVATE.
Del Rio	1.5 WNW,hwy E	1000	30 S4	80 oct.No sto.Poles N.
Dryden Airdrome (Dryden) (NC)	1 W	2159	18	
★ Dryden Int,29,EO-JI	5.7 W,hwy N	2300	45h L3	
(N) EL PASO MUN.	4.8 ENE,RR SW	3936	70h R2 L5 S1	73,91,100 oct.No sto.
Johnson Ranch (Castolon)	10.7 SE,riv SW	2092	37	ARPT OF ENTRY.
(A) Laughlin (Del Rio)(A)	7 E,hwy N	1069	67h	C-L-O-S-E-D
Marathon	0.7 SE,RR N	4039	44 S1	80 oct.Cattle on fld.
(A) Marfa AAF (A)	9 ESE,RR N	4885	75h	INACTIVE.
Marfa Mun. (new)	4 N,hwy E	4835	53h	
Marfa Mun. (old)	2 NE,hwy,RR S	4780	44 S4	73 oct.No sto.Poleline
Presidio (NC)	4 N,hwy W	2850	48	NOT MNTND. S, SW.
Presidio Air Strip	0.8 NE,RR S	2580	21	PRIVATE. (NC)
(A) Ryan #3 (Marfa)(A)	19 WNW,RR NE	4750	60h	INACTIVE.
Sanderson Landing Strip (NC)	2 W,RR N	2900	24	PRIVATE.
(A) South #1 (Marfa)(A)	15 SE	4825	60h	INACTIVE.
Starns (Alpine)	2.1 NW,RR E	4481	42 L S6	80,91 oct. Rnwy lgts prior req.
Terlingua (NC)	2 E,hwy SW	2700	36	
Val Verde Co.(Del Rio)	4.5 ENE,RR S	1094	49h	
Yoas Ranch (Longfellow)(NC)	6.5 WSW,RR N	3675	36	PRIVATE.Pole line NW.
→ Pandale (Tex.)	8 NE		20 S2	80 oct. Data unver.

L-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page X111) NC (not charted).

New or revised data

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
CARLSBAD	311(DKB)	MRLW;322°,3.5	
ROSWELL (Army)	305 (DEH)	SBMRAZ	(3); 126.18
→ Roswell AAF	396 (126.18)+	CA;255°, 3.6	(3); 126.18
TEXAS			
GUADALUPE PASS	(116.1)	VP	(4); 116.1
GUADALUPE PASS FM	(-)	FM, 79°, 17.4	Salt Flat
HUECO MOUNTAIN FM	(-)	FM, 77°, 18	El Paso
SALT FLAT (Int.)	335(DN)(116.1)	BMRLPZ-VDT;162° 2.7	(4); 116.1

B-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamogordo	2.4 N,hwy W	4320	29 S1	73 oct.Poleline ESE.
(P) Artesia Mun.	4.2W,rd S	3550	69h L5 S1	73-91 oct.
B&B Flying Service (Roswell)	2 S,RR E	3600	32 S2	80 oct.
CARLSBAD MUN.	6.1SSW,	3276	65h	Hwy E.
Carlsbad	3 N,RR E	3100	38 S2	80 oct.
Carlsbad #1	11 S,hwy 3 W	3245	67h	
Carrizozo	0.6 N,hwy S	5420	33	
Dora (NC)	1.3 E,hwy W	4000	27 S1	73 oct.Pole line N.
Flying "M" Ranch (Milnesand)	0.4 NNW, hwy E	4360	20 S2	80 oct.Data unver.
John J. Small (Carlsbad)	3.5 SSE,RR NE	3150	27 S1	73 oct.
Lovington	0.8 E,hwy S	3985	36	Pole line S,SE,SW.
Parker (Ruidoso) (NC)	8.2 NNE,	7200	36	Cattle on fld. Road N.
ROSWELL	1.6 WNW,	3621	56 L5 S6	73 oct.Fld lgts prior request. RR E
Roswell Com.	4 W,hwy N	3700	33	Windmill SW.
(A) Roswell AAF (A)	6.5 S	3662	85h R2 L5 S6	91,100 oct.No sto.
(A) Roswell AAF #3 (A)	18 S	3712	70h	INACTIVE.
Ruidoso Flying Svc.	2 N	6900	51 S2	80 oct.Data unver.

NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Tracy (Carlsbad)	2 ENE,hwy S	3080	30 S6	80 oct.
TEXAS				
Anderson (Pecos)	1.8 NNW,RR W	2620	42 S6	80 oct.Poles sur fld.
(P) Culberson Co.(Van Horn)	3.5 ENE,RR S	3955	60h	
★ Delaware Springs Int. 11, EO-FV	16.8 E Pine Springs	3955	40 L3 S1	91 oct.Pole line SSE.
Fort Hancock (NC)	0.7 SE,RR N	3565	24	Pole line N.
→ Hines (Red Bluff Lake)	5.5 NNW,RR W	2850	24 S1	80 oct.
★ Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	
Kent	0.6 WNW, RR S	4260	21	Pole line NE,SW.PRIV.
Pecos	2.2 SSW	2617	72h	RR W
★ Salt Flat Int,8A,EO-FV	80 E El Paso	3710	40 R1 L3 S1	80 oct.;91 oct. inemerg
Sierra Blanca (NC)	2.8 ESE	4450	21	Pole line N.Hwy N.
Tex-Line (Orla)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Van Horn	0.8 SE,RR N	4040	26 S1	80 oct.Poles NW.

A-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page XIII) NC-(not charted). → New or revised data

ROSWELL

ALL FACILITIES IN ALBUQUERQUE FLIGHT ADVISORY AREA

ALBUQUERQUE 58

DORA

NM 7

CARRIZOZO-3420'
33

ROSWELL-3621'
56 L S

ALBUQUERQUE
EL PASO

FLYING "M" RANCH

B & B FLT SERVICE

122

216

ROSWELL COM.

RUIDOSO

ROSWELL AAF-3682'
85H L S-396(126.18)

ROSWELL AAF
305

35

293

ROSWELL AAF NO. 3-3712'
70H

ALAMOGORDO-4320'
29 S

ARTESIA MUN-3550'
68 H L S

LOVINGTON-
35

TRACY-3080'
30 S

142

CARLSBAD

JOHN J. SMALL

CARLSBAD-3276'
65H

241

CARLSBAD NO. 1-3249'
67H

EL PASO 87

NM S
D A

162

61

CARLSBAD
311

322

TEX-LINE-2900'
26 S

GUADALUPE PASS
VOICE-(116.1 Mc)

N. MEX.
TEX.

SALT FLAT
335
(116.1)

DELAWARE SPRINGS-3958'
49L S

HINES-2880'
24 S

HUECO MT.

GUADALUPE PASS

GREEN 5

EL PASO
242

257

79

259

81

280

70

112

HUDSPETH-4445'
69

SALT FLAT-3710'
40 L S

ANDERSON-2620'
42 S

342

CULBERSON COUNTY-3955'
60H

PECOS
72 H

KENT-4260'
21 S

RED 51

258

VAN HORN-4060'
26 S

TEX-MEXICO

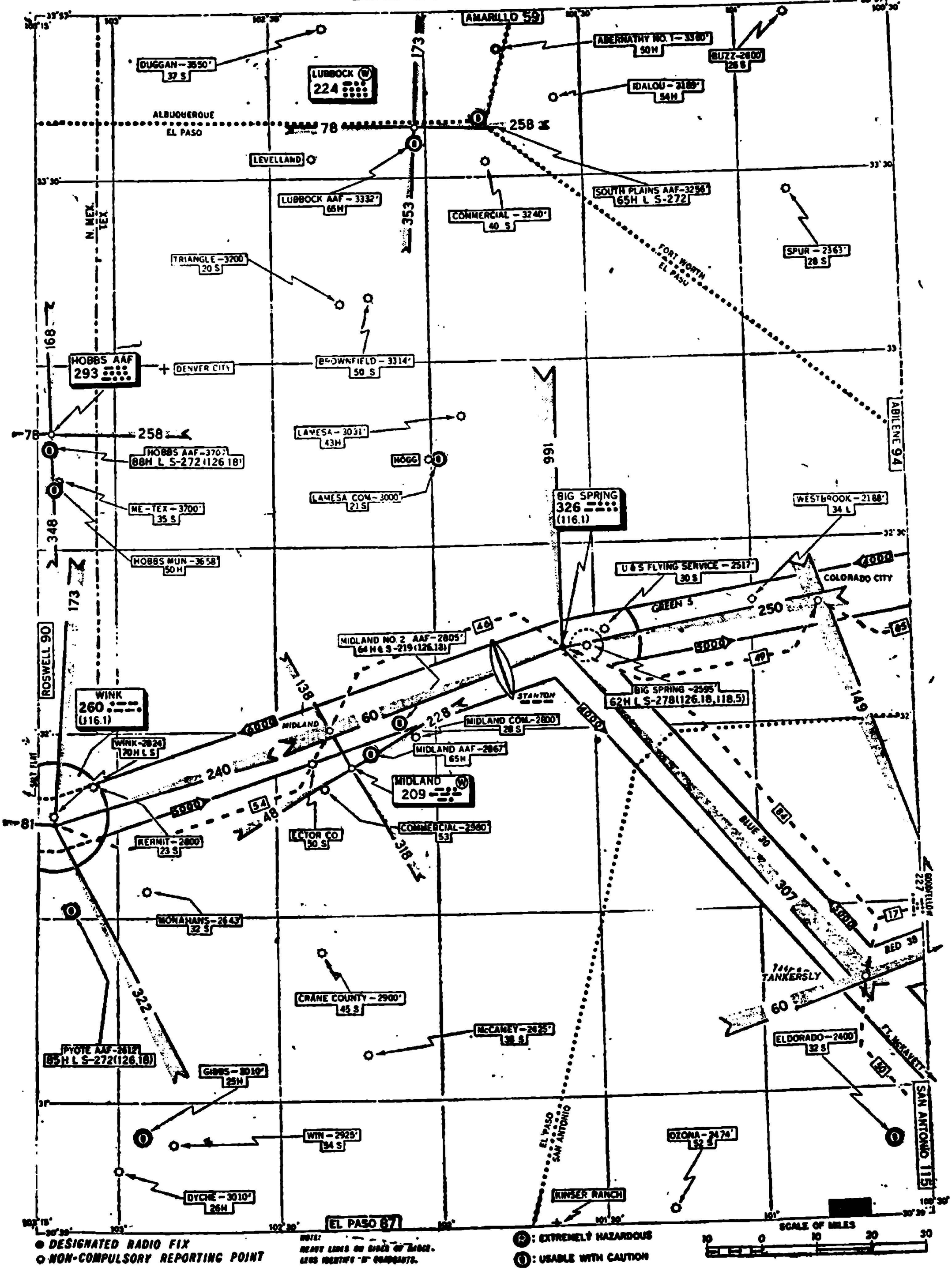
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES GO SIDES OF RANGE LEGS INDICATE "R" QUADRANTS.

(R): EXTREMELY HAZARDOUS
(I): USABLE WITH CAUTION.

SCALE OF MILES
30 0 10 20 30

BIG SPRING


AMARILLO 59
ABERNATHY NO. 1 – 3560'
50 H
BUZZ – 2600'
25 S
DUGGAN – 3550'
37 S
LUBBOCK
224
IDALOU – 3189'
54 H
ALBUQUERQUE
EL PASO
78
258
173
LEVELLAND
353
LUBBOCK AAF – 3332'
66 H
COMMERCIAL – 3240'
40 S
SOUTH PLAINS AAF – 3256'
65 H L S-272
SPUR – 2363'
28 S
FORT WORTH
EL PASO
N. MEX.
TEX.
TRIANGLE – 3200'
20 S
BROWNFIELD – 3314'
50 S
HOBBS AAF
293
DENVER CITY
168
ABILENE 94
LAMESA – 3031'
43 H
HOGG
LAMESA COM – 3000'
21 S
991
BIG SPRING
326
(116.1)
WEST BROOK – 2188'
34 L
HOBBS AAF – 3707'
88 H L S-272 (126.18)
ME – TEX – 3700'
35 S
348
HOBBS MUN – 3658'
50 H
U & S FLYING SERVICE – 2517'
30 S
COLORADO CITY
GREEN 5
250
ROSWELL 90
WINK
260
(116.1)
MIDLAND NO. 2 AAF – 2805'
64 H & S-219 (126.18)
138
MIDLAND
60
228
MIDLAND COM. – 2800'
28 S
MIDLAND AAF – 2867'
65 H
240
MIDLAND
209
WINK – 2824'
20 H L S
STANTON
BIG SPRING – 2595'
62 H L S-278 (126.18, 118.5)
149
COMMERCIAL – 2960'
53
REMNIT – 2800'
23 S
ECTOR CO
50 S
318
BLUE 30
307
BROWNFIELD
227
MONAHANS – 2643'
32 S
TANKERSLY
RED 30
322
CRANE COUNTY – 2900'
45 S
McCAMEY – 2625'
38 S
ELDORADO – 2400'
32 S
PYOTE AAF – 2612'
65 H L S-272 (126.18)
GIBBS – 3010'
25 H
WIN – 2925'
34 S
EL PASO
SAN ANTONIO
OZONA – 2474'
52 S
SAN ANTONIO 115
DYCHE – 3010'
26 H
KINSER RANCH
EL PASO 87
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON EDGES OF CHART.
LESS RELATIVE "D" CHARGEOUTS.
P: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
HOBBS (Army)	**293 (DHB)**	**BMRLZ**	**(3) (V, 7-2300)**
Hobbs AAF	**272 (126.18)**	**CA; 168°, 2.8**	**(3);126.18 (7-23)**
TEXAS			
BIG SPRING	326(BZ)(116.1)	SBRAZ-VDT	(3); 116.1
Big Spring Arpt.	278 (126.18)	C; 70°, 3.9	(4); 126.18,131.9.Trs. & gds. 118.5 mcs.
LUBBOCK (AAF)	224 (DHH)	MRLWZ; 173°,3.9	
MIDLAND	209 (DON)	MRLWZ;48°,3.8-AAF	
Midland No. 2	219 (126.18)	CA	(4); 140.58
PYOTE AAF	272 (126.18)	CA	(3); 126.18
SOUTH PLAINS AAF (Lubbock)	272	CA	(3) (8-22)
STANTON FM	(- - -)	FM, 240°,12	Big Spring.
WINK	260(WP)(116.1)	SBRAZ-VDT,353°,1.2	(4); 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NEW MEXICO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Continental (Jal)(NC)	0.7 W, hwy E	3100	20	
(A) HOBBS AAF (A)	8 NW,RR NE	3707	88h R2 L5 S4	91,100 oct.
HOBBS MUN.	5 W,hwy N	3658	50h L5	All lgts prior req.
(P) Me-Tex (Hobbs)	4.5 W,hwy N	3700	35 S6	80,87 oct. Pole line N,W,NW.
TEXAS				
(A) Abernathy #1 (A)	5 ENE	3346	50h	INACTIVE
(P) BIG SPRING	3.3 WSW;RR N	2595	62h R2 L5 S6	80,91,100 oct.
Brownfield	5 E; hwy N	3314	50 S2	80 oct. Poleline N, NE.
Buzz (Roaring Spgs)	2.3 NNE;hwy W	2600	26 S1	73 oct. Poleline S.
Commercial (Lubbock)	3.2 SE;bet hwys	3240	40 S6	73,80 oct. No sto. Use strips.
Commercial (Odessa)	1.9 E; RR N	2980	53 S4	Poleline NE,NNE.
Crane Co. (Crane)	1 NNW;hwy E	2900	45 S1	73 oct. Hi-line S.
Duggan (Littlefield)	1.2 S;RR NE	3550	37 S4	80,91 oct. Pwrline E, NE, SE.
Dyche (Fort Stockton)	9 SW;RR E	3010	26h	Allway area: 4000 x 4000'.
Ector County (Odessa)	5 NNW;hwy W	2900	50 S2	80 oct.
Eldorado	1 W;RR E	2400	32 S1	80 oct. Poles E. Livestock on fld.
Gibbs (Fort Stockton)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII) NC-(not charted). → NEW OR REVISED DATA.

TEXAS

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Idalou	5.5 ENE	3189	54h	
Iraan (NC)	5 NW	2300	26	
Kermit	1.3 E; RR W	2800	23 S1	80 oct.
Kinser Ranch (Ozona)	25 W;riv W	2474	24 S1	80 oct. PRIVATE. Data unverified.
Lamesa	8.9 NNE;hwy E	3031	43h	
Lamesa Commercial	1.8 WNW;hwy S	3000	21 S1	73 oct. Pole line SSE.
Levelland	2 S;hwy W	3550	25 S1	80 oct. Poleline NW, SW.
(A) Lubbock AAF (A)	9 W;RR S	3332	65h	INACTIVE.
McCamey	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
(A) Midland AAF (A)	9.5 WSW;RR S	2867	65h	INACTIVE.
Midland Commercial	1.1 SSE;RR N	2800	28 S4	80 oct. No sto. Rnwy data unverified.
(A,N) Midland #2 (A)	3 NW; rd E	2805	64h R1 L5 S4	91, 100 oct. JP-1. No sto.
Monahans	1.2 SW;RR N	2643	32 S2	80 oct. Pole line SSW
Ozona	4.9 WSW;hwy N	2474	52 S1	80 oct.
(A) Pyote AAF (A)	1 SW;RR N	2612	85h R1 L5 S6	91, 100 oct. No sto.
Rita Santa (NC)	0.5 S;RR N	2800	40	Obsts sur fld.
(A) SOUTH PLAINS AAF (Lubbock)	5.5 NNE;RR W	3256	65h R1 L5 S6	73, 91, 100 oct.
Spur	2.2 S;RR N	2363	28 S4	80, 91 oct.
Triangle (Brownfld)	1.8 SSW;RR NW	3200	20 S2	73 oct.
U & S Flying Service (Big Spring)	1.5 N;hwy S	2517	30 S6	80 oct.
★ West Brook Int,32, EO-FV	1.3 S;RR N	2188	34 L3	Pole line N, S.
Win (Ft. Stockton)	3.2 E;hwy N	2925	54 S6	80 oct.
Wink	3.6 WNW;rd SE	2824	70h R1 L5 S6	80,91 oct.
Denver City (Tex.)	0.5 NW	3584	40 S1	80 oct. Data unver.
→ Hogg (Lamesa, Tex.)	3 W; hwy N	3000	38 S1	80 oct. Bldg SW.

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ABILENE	379(AP)(116.1)	SBRAZ-VDT	(3) 116.1
Abilene Air Term.	278 (118.7)	C; 180°, 2.3	(4); 118.7,126.18, 131.9
CLARENDON	233(CP)(116.1)	BMRL-VDT,199°,2	(4); 116.1
HARPERSVILLE (Int.)	284(HV)(116.1)	MHVT	(4); 116.1
→ WICHITA FALLS (Sheppard/Kell Mun. Airport)	239(WF)(116.1)	SBMRAZ-VDT,305°. 1.7	(4); 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + -Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OKLAHOMA

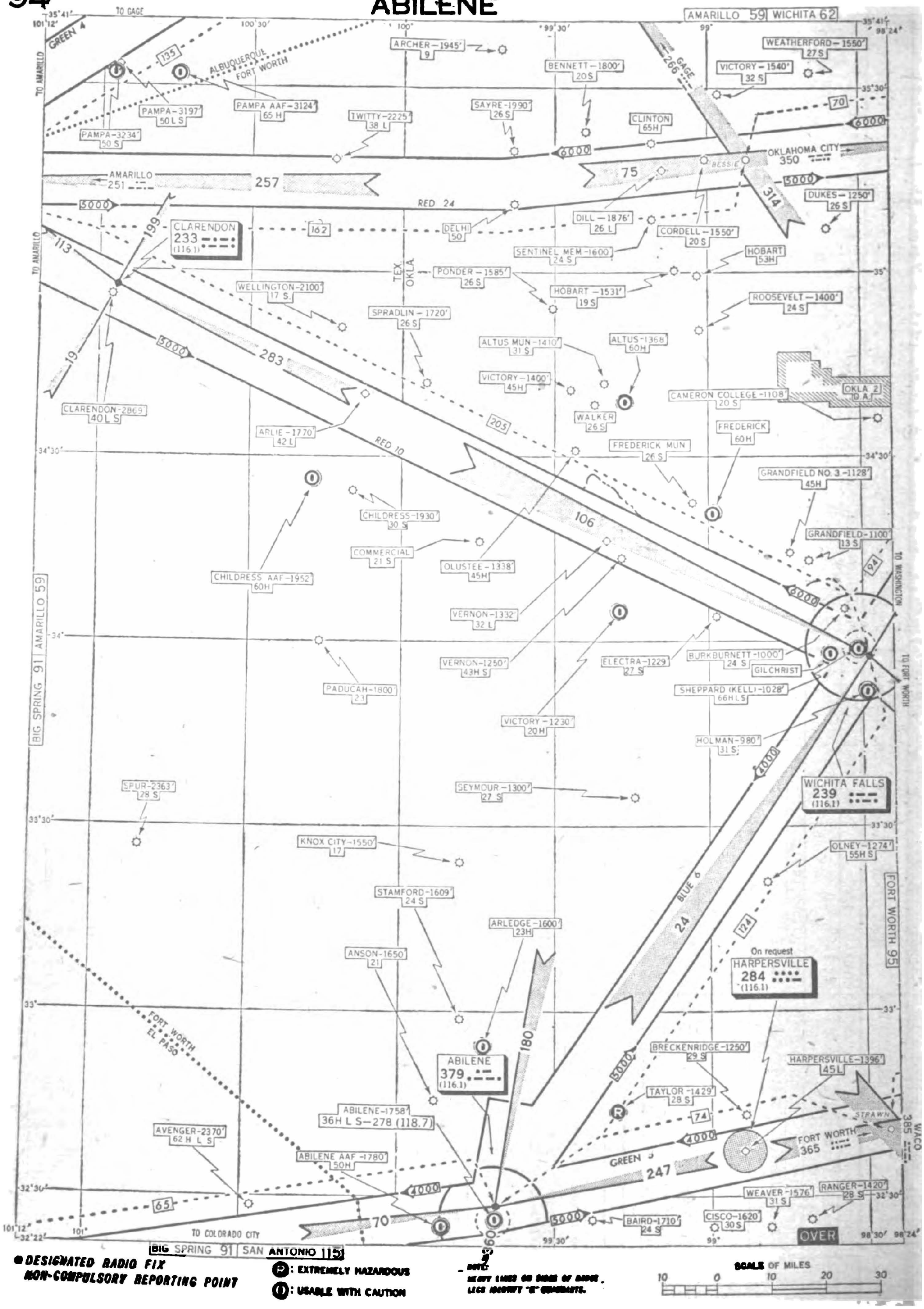
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Altus	3.4 ENE;hwy S	1368	60h	
Altus, mun.	4.2 N,RR W	1410	31 S6	73,80 oct.Polelines W.
Archer (Cheyenne)	1.2 SW,hwy E	1945	9 S4	No fuel
Bennett (Elk City)	2 SSE,RR NE	1800	20 S1	73 oct.Poleline W.Lgt acft only.
Cameron College (Lawton)	2.5 W,RR N	1108	20 S4	80 oct.
Clinton	17 SW,hwy E	1932	65h	
Cordell	1.3 NW,RR E	1550	20 S1	80 oct.
Delhi	2.5 ENE,hwy SW	1937	50	
★ Dill Int,14,AQ-LS	0.5 NW,hwy N	1876	26 L3	Poleline N, E.
Dukes(Carnegie)	1 NNW,riv S	1250	26 S1	80 oct.Poleline S.
Frederick,mun.	2.3 WSW,RR SE	1285	26 S6	73 oct.
Frederick	3.5 SSE	1233	60h	
Grandfield	1.2 SE,RR N	1100	13 S1	73 oct.
Grandfield #3	3.1 W,RR NE	1128	45h	
Haddock (Erick)	1.4 SW,RR N	2017	34 S1	80 oct.Poleline N,NW.
(P) Hobart	3.8 SE,RR N	1583	53h	
Hobart, mun.	1.5 SW,RR NW	1531	19 S6	73 oct.
Olustee(Altus)	10 SE,riv E	1338	45h	
Ponder (Mangum)	1.6 N,hwy S	1585	26 S2	73, 80 oct.
Roosevelt	0.5 NW,rd N	1400	24 S1	80 oct.Pwr line N.
Sayre	2.3 N,hwy W	1990	26 S4	80 oct.
Sentinel Memorial	0.8 SSW,RR W	1600	24 S1	73 oct.
Spradlin(Hollis)	1 N,hwy S	1720	26 S2	80 oct
Victory (Altus)	7.2 NW,riv E	1400	45h	
Walker (Altus)	1.6 W,RR E	1400	26 S4	80 oct.Poleline N.
Weatherford	2.7 ENE,RR S	1550	27 S2	80 oct.

TEXAS

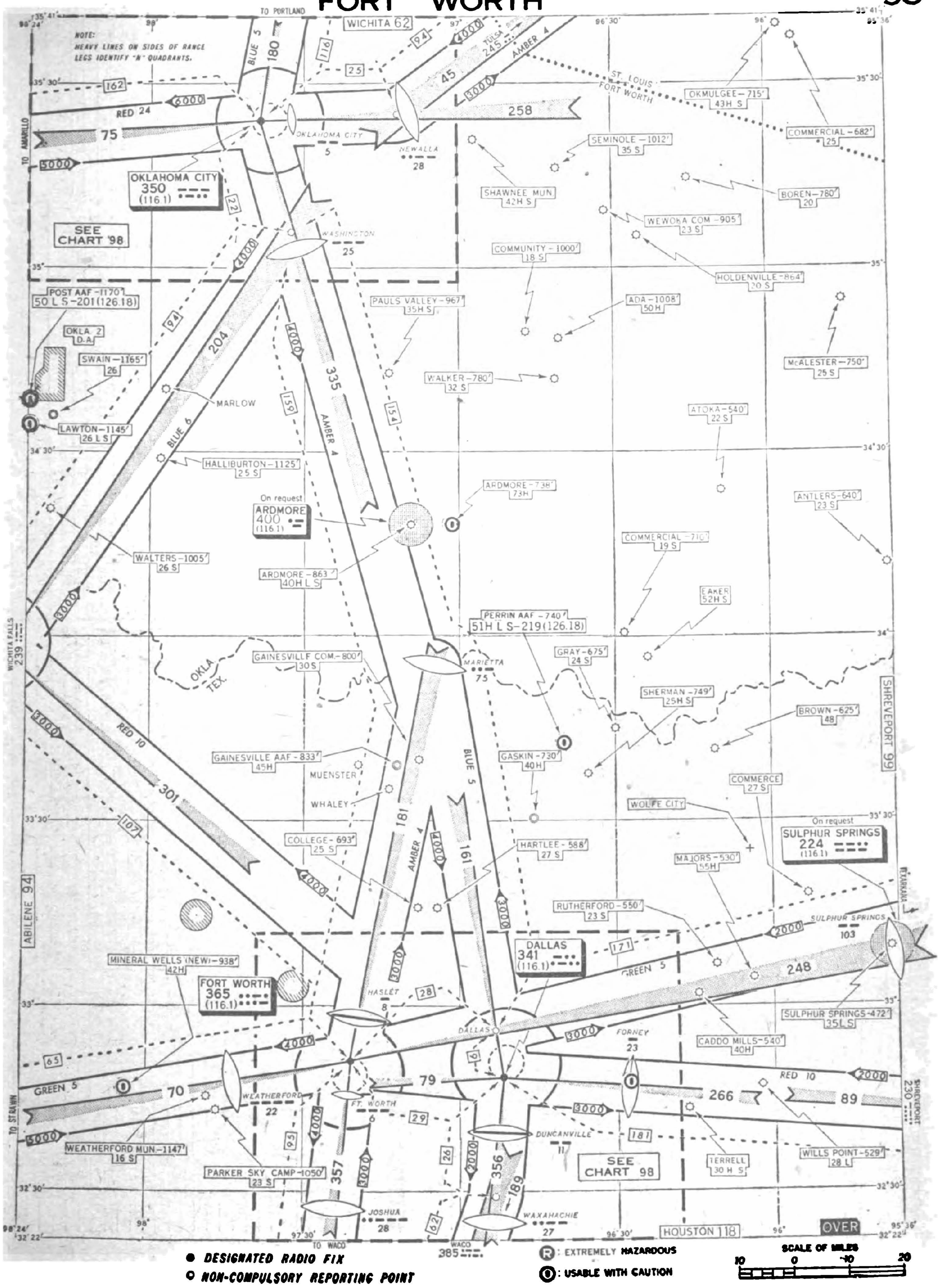
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) ABILENE AIR TERMINAL	2.8 ESE,RR N	1758	36h R2 L5 S6	73,80,91,100 oct.
(A) Abilene AAF (A)	7 WSW,hwy N	1780	50h	C-L-O-S-E-D.
Anson	0.8 ENE,RR W	1650	21	
Arledge(Stamford)	5 SE,RR SW	1600	23h	Pole line S.
★ Arlie Int,9,AQ-FV	3.8 SW,hwy SE	1770	42 L3	
(P) Avenger(Sweetwater)	3.5 W,RR S	2370	62h L5 S1	80 oct.
Baird	3.1 NNE,hwy W	1710	24 S6	73, 80 oct.
Breckenridge	2.5 S,RR E	1250	29 S6	80 oct.
Burkburnett	1 SE,RR SW	1000	24 S2	80 oct.Poles E.
Childress	3.2 ESE,RR NE	1930	30 S4	73,80 oct.Poleline sur. field.
(A) Childress AAF(A)	5.2 W,RR N	1952	60h	INACTIVE.
Cisco	2.5 NNW,lake 2 N	1620	30 S6	80 oct.
Clarendon 4,AQ-FV	3.8 W,RR NE	2869	40 R1 L3 S6	80, 91 oct.
Commercial(Quanah)	1.8 S,hwy E,N	1568	21 S2	Ltd 80 oct.
Electra	3.6 WNW,RR S	1229	27 S2	80 oct.
Gilchrist (Wichita Falls)	7 WNW,RR S	1020	30 S1	80 oct.Pwrline S.
★ Harpersville Int,44, EO-FV	9.2 S of Breckenridge	1396	45 R1 L3	
Holman (Wichita Falls)	3.1 SSE,hwy W	980	31 L S6	80,91 oct.Poles SE, E, NE.
Knox City	0.8 SSE,RR W	1550	17	
(P) Olney	4 WSW,rd S,N	1274	55h L5 S2	80, 91 oct. Lgts prior req
Paducah	2.5 ESE,RR NW	1800	23	
Pampa	1 NNE,RR S	3234	50 S6	80,91 oct.P-line S;bldg SW
(A) Pampa AAF (A)	12.3 E	3124	65h	C-L-O-S-E-D.
★ Pampa Int,4,AQ-KC	1.9 NE,RR S	3197	50 L3 S1	80, 91 oct.
Ranger	1.5 SSW,RR W	1420	28 S6	80 oct.Poleline NE.
Seymour	1.3 SE,riv SW	1300	27 S1	80 oct.
(A) SHEPPARD/KELL MUN.(Wichita Falls)	5.8 N,hwy W	1028	66h R1 L5 S6	80, 91 oct.
Spur	2.2 S,RR N	2363	28 S4	80, 91 oct.
Stamford	2.5 N,hwy E	1609	24 S2	80 oct.
Taylor (Albany)	1 N,RR SW	1429	28 S2	80 oct.
★ Twitty Int,8A,AQ-LS	1 SE,hwy W	2225	38 L3	
Vernon	5 N,hwy E	1250	43h S6	73, 80 oct.No sto.
★ Vernon Int,15,AQ-FV	8.8 NNW,hwy E	1332	32 L3	
Victory (Vernon)	5.9 SSW,hwy E	1230	20h S2	No fuel.
Weaver (Eastland)	1 NE,RR S	1576	31 S6	80 oct.
Wellington	1 SE,hwy W	2100	17 S1	80 oct.Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X|||) NC-(not charted). → NEW OR REVISED DATA.

ABILENE


AMARILLO 59 WICHITA 62
TO GAGE
GREEN 4
TO AMARILLO
135
ALBUQUERQUE
FORT WORTH
PAMPA-3197' 50 L S
PAMPA AAF-3124' 65 H
PAMPA-3234' 50 S
TWITTY-2225' 38 L
ARCHER-1945' 9
SAYRE-1990' 26 S
BENNETT-1800' 20 S
GAGE 266
CLINTON 65H
WEATHERFORD-1550' 27 S
VICTORY-1540' 32 S
70
6000
OKLAHOMA CITY 350
BESSIE
314
DUKES-1250' 26 S
AMARILLO 251
257
75
5000
RED 24
199
CLARENDON 233 (116.1)
162
DELHI 50
DILL-1876' 26 L
CORDELL-1550' 20 S
SENTINEL MEM-1600' 24 S
HOBART 53H
TEX. OKLA
PONDER-1585' 26 S
HOBART-1531' 19 S
ROOSEVELT-1400' 24 S
113
WELLINGTON-2100' 17 S
SPRADLIN-1720' 26 S
ALTUS MUN-1410' 31 S
ALTUS-1368' 60H
19
283
VICTORY-1400' 45H
CAMERON COLLEGE-1108' 20 S
OKLA 2 O.A.
CLARENDON-2869' 40 L S
205
WALKER 26 S
ARLIE-1770' 42 L
FREDERICK 60H
FREDERICK MUN 26 S
RED 10
GRANDFIELD NO. 3-1128' 45H
106
CHILDRESS-1930' 30 S
COMMERCIAL 21 S
GRANDFIELD-1100' 13 S
CHILDRESS AAF-1952' 60H
OLUSTEE-1338' 45H
94
TO WASHINGTON
VERNON-1332' 32 L
BIG SPRING 91 AMARILLO 59
PADUCAH-1800' 23
VERNON-1250' 43H S
ELECTRA-1229' 27 S
BURKBURNETT-1000' 24 S
GILCHRIST
SHEPPARD (KELL)-1028' 66H L S
TO FORT WORTH
VICTORY-1230' 20 H
HOLMAN-980' 31 S
4000
SPUR-2363' 28 S
SEYMOUR-1300' 27 S
WICHITA FALLS 239 (116.1)
KNOX CITY-1550' 17
OLNEY-1274' 55H S
FORT WORTH 95
STAMFORD-1609' 24 S
ARLEDGE-1600' 23H
BLUE 24
124
ANSON-1650' 21
On request
HARPERSVILLE 284 (116.1)
FORT WORTH EL PASO
180
ABILENE 379 (116.1)
BRECKENRIDGE-1250' 29 S
5000
HARPERSVILLE-1396' 45L
TAYLOR-1429' 28 S
74
ABILENE-1758' 36H L S—278 (118.7)
STRAWN
WACO 385
AVENGER-2370' 62 H L S
4000
FORT WORTH 365
GREEN 3
247
ABILENE AAF-1780' 50H
WEAVER-1576' 31 S
RANGER-1420' 28 S
65
70
5000
BAIRD-1710' 24 S
CISCO-1620' 30 S
TO COLORADO CITY
OVER
BIG SPRING 91 SAN ANTONIO 115
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
I: USABLE WITH CAUTION
NOTE
HEAVY LINES ON EDGE OF RADIO LEGS INDICATE "E" CLEARANCE.
SCALE OF MILES
10 0 10 20 30

FORT WORTH


NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.
TO PORTLAND
WICHITA 62
BLUE 5
180
116
94
25
4000
TULSA 245
AMBER 4
45
3000
258
ST. LOUIS
FORT WORTH
162
RED 24
6000
75
TO AMARILLO
OKLAHOMA CITY
5
NEWALLA
28
OKLAHOMA CITY 350 (116.1)
22
SEE CHART '98
WASHINGTON
25
OKMULGEE – 715'
43H S
COMMERCIAL – 682'
25
SEMINOLE – 1012'
35 S
SHAWNEE MUN
42H S
BOREN – 780'
20
WEWOKA COM – 905'
23 S
COMMUNITY – 1000'
18 S
HOLDENVILLE – 864'
20 S
POST AAF – 1170'
50 L S – 201 (126.18)
PAULS VALLEY – 967'
35H S
ADA – 1008'
50H
OKLA 2 D.A.
SWAIN – 1165'
26
204
335
McALESTER – 750'
25 S
MARLOW
159
154
WALKER – 780'
32 S
ATOKA – 540'
22 S
LAWTON – 1145'
26 L S
BLUE 6
AMBER 4
HALLIBURTON – 1125'
25 S
On request
ARDMORE 400 (116.1)
ARDMORE – 738'
73H
ANTLERS – 640'
23 S
WALTERS – 1005'
26 S
ARDMORE – 863'
40H L S
COMMERCIAL – 710'
19 S
EAKER
52H S
PERRIN AAF – 740'
51H L S – 219 (126.18)
WICHITA FALLS 239
OKLA. TEX.
GAINESVILLE COM. – 800'
30 S
MARIETTA
75
GRAY – 675'
24 S
SHERMAN – 749'
25H S
BROWN – 625'
48
SHREVEPORT 99
GAINESVILLE AAF – 833'
45H
MUENSTER
WHALEY
GASKIN – 730'
40H
COMMERCE
27 S
WOLFE CITY
RED 10
301
107
COLLEGE – 693'
25 S
181
AMBER 4
161
BLUE 5
HARTLEE – 588'
27 S
MAJORS – 530'
55H
On request
SULPHUR SPRINGS 224 (116.1)
ABILENE 94
RUTHERFORD – 550'
23 S
SULPHUR SPRINGS
103
TEXARKANA
MINERAL WELLS (NEW) – 938'
42H
FORT WORTH 365 (116.1)
DALLAS 341 (116.1)
171
GREEN 5
248
HASLET
28
8
SULPHUR SPRINGS – 472'
35 L S
DALLAS
FORNEY
23
CADDO MILLS – 540'
40H
65
GREEN 5
70
WEATHERFORD
22
FT. WORTH
6
29
79
6
RED 10
266
89
SHREVEPORT 230
TO STAMFORD
WEATHERFORD MUN. – 1147'
16 S
PARKER SKY CAMP – 1050'
23 S
93
357
26
356
189
DUNCANVILLE
11
181
SEE CHART 98
TERRELL
30 H S
WILLS POINT – 529'
28 L
JOSHUA
28
62
WAXAHACHIE
27
385
TO WACO
WACO
HOUSTON 118
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R : EXTREMELY HAZARDOUS
Ⓞ : USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20

OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARDMORE	400 (AT)(116.1)	MHVT	(4); 116.1
MARIETTA FM	(. . -)	FM, 1°, 75	Fort Worth, Texas
NEWALLA FM	(. . - -)	FM, 78°, 27.5	Oklahoma City
OKLAHOMA CITY (Will Rogers Field)	350 (OL)(116.1)	SBRAZ-VDT,78°,1.6	(3); 116.1
OKLAHOMA CITY LFM	(- -)	LFM, 78°, 5.4	Oklahoma City
POST FIELD (Lawton)	201 (126.18)	CA	(3); 126.18 (7-17 Mon.-Fri.)
WASHINGTON FM	(- - -)	FM, 155°, 24.6	Oklahoma City

TEXAS

DALLAS (Love)	341 (DL)(116.1)	SBMRAZ-VDT,356Q2.5	(3); 116.1
DUNCANVILLE FM	(- -)	FM, 176°, 10.5	Dallas
FORNEY FM	(-)	FM, 86°, 23	Dallas
FORT WORTH (Meacham Fld)	365 (FV)(116.1)	SBRAZ-VDTX,177°,2.3	(3); 116.1
FORT WORTH-LFM	(- - -)	LFM, 177°, 6.2	Fort Worth
HASLET FM	(-)	FM, 1°, 8.1	Fort Worth
JOSHUA FM	(. . - - -)	FM, 177°, 27.7	Fort Worth
PERRIN FIELD (Sherman)	219 (126.18)	CA	(3);126.18
SULPHUR SPRINGS	224 (ZO)(116.1)	MHVT	(4); 116.1
SULPHUR SPRINGS FM	(- -)	FM, 68°, 103	Fort Worth
WAXAHACHIE FM	(. . - -)	FM, 176°, 27	Dallas
WEATHERFORD FM	(- - - -)	FM, 250°, 22	Fort Worth

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OKLAHOMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Ada	2 N, RR SW	1008	50h	
Antlers	2.8 S,RR E	640	23 S2	80 oct.
Ardmore	11.2 NNE,riv E	738	73h	CAUTION: Intensive airline training.
Ardmore,10, FV-WD	9.2 N,hwy E	863	40h R1 L3 S6	80, 91 oct. Poles E.
Atoka	1.8 NW,RR S	540	22 S2	73 oct. Pole line S.
Boren (Wetumka)	1.5 NW,hwy S	780	20	
Commercial (Durant)	5.2 W,RR N	710	19 S2	73 oct. Rnwy data unverified.
Commercial (Okmulgee)	3.4 E,RR N	682	25 S2	Ltd 73 oct. Poles SW.
Community (Ada)	6.8 WNW,RR NE	1000	18 S6	80 oct.
(P) Eaker (Durant)	3.2 SSW,RR NW	703	52h L5 S1	80, 91 oct. All lgts prior req.
Halliburton (Duncan)	1 S, RR E	1125	25 L S4	80,88 oct. Range lgts.
Holdenville	1.2 WNW,RR NE	864	20 S2	73 oct. Pole line N.
Lawton	1.5 S,RR E	1145	26 L2 S4	73 oct. Fld lgts prior req. Poles NW.
Marlow	1.6 N,RR E	1150	15	Pole line S.
McAlester	2 SSE,RR W	750	25 S6	80 oct.
(P) Okmulgee	3 NNE,hwy W	715	43h L5 S6	73,80 oct. Ctc lgts prior request.
(P) Pauls Valley	2.1 S,RR E	967	35h L1 S1	80 oct.
(A) Post (Lawton)(A)	3 N	1170	50 R1 L4 S4	73 oct.; ltd 100 oct.
Seminole	3.4 NNW,hwy E	1012	35 S2	80 oct. Trees W, NW.
(P) Shawnee	2 NW,RR E	1080	42h L5 S2	80, 91 oct. Fld lgts prior req.
(A) Swain (Lawton)(A)	3.5 E,hwy N	1165	26	
Tishomingo (NC)	7.5 N	890	29	
Walker (Ada)	5.4 S,hwy W	860	32 S6	73, 80 oct. Trees sur fld.
Walters	1.2 SW,RR E	1005	26 S2	73 oct. Cattle on field.
Wewoka, com.	1.8 W,lake N	905	23 S6	80 oct. Pole line NNE.
Wewoka, mun. (NC)	4.7 NE,hwy N	790	30	

TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bowie (NC)	2.8 NW,bet RRs	1050	19	Cattle on fld. Trees N.
Brown (Bonham)	8 N,hwy W	625	48	Pole line S, W.
Caddo Mills(Greenv'l)	10.7 SW,hwy W	540	40h	
College (Denton)	4.2 N	693	25 S6	73 oct. Cattle on field.
Commerce	3.4 NNE,hwy SE	548	27 S6	80, 91 oct.
(A) Gainesville AAF (A)	3.8 WNW,RR S	833	45h	
Gainesville com.	3 NNE,hwy W	800	30 L1 S1	80 oct. Poles S.
(A) Gaskin (Sherman)(A)	12.6 SW,rd E	730	40h L	B-2, flood lgts.
Gray (Denison)	2.5 E,RR N	675	24 L S6	80 oct. Emerg.lgts by circling fld.
Hartlee (Denton)	5.4 NE,RR SSE	588	27 S6	73,80 oct. Poles S
Jones (Bonham)(NC)	2 NNE,hwy E	616	18h	
Majors (Greenville)	5 SSE,RR W	530	55h	
(P) Mineral Wells, new	3.2 SE,RR N	938	42h	
Muenster	2.6 E,RR S	1010	26 S1	80 oct. Pole line S.
Parker Sky Camp (Weatherford)	3.4 SSE,RR NW	1050	23 S4	80 oct.
(A) Perrin (Sherman)(A)	6.4 NNW,RR N	740	51h R1 L5 S6	73, 91, 100 oct.
Rutherford (Greenv'l)	4.5 WSW,hwy SE	550	23 S3	73 oct. Pole line S.
Sherman	1.4 SE,hwy N	749	25h S6	80 oct.
So.Sulphur (Greenv'l)	9.5 NNE	550	30	(NC)
Sulphur Springs, 7B, DL-LV	1.9 NW,RR S	472	35 R1 L3 S1	80 oct. Pole line S,SE.
Terrell Mun.	1.5 SE,RR W	490	30h	80,91 oct.
Weatherford, mun.	1 W, hwy N	1147	16 S4	80 oct.
Whaley Arpk(Gainesv'l)	5.7 WSW,RR N	820	20 S2	80 oct. Pole line N.
* Wills Point Int,7,FV-AG	5.9 NW	529	28 L3	
Wolfe City	2 N		20 S1	80 oct. Data not verified.

RADIO — OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
NEWALLA FM	(. . - -)	FM,78°,27.5	Oklahoma City
OKLAHOMA CITY (Will Rogers Field)	350(OL)(116.1)	SBRAZ-VDT,78°,1.6	(3); 116.1
OKLAHOMA CITY LFM	(- -)	LFM,78°,5.4	Oklahoma City
TINKER, OKLAHOMA CITY (Army)	221 (DTE)	BMRAZ	4495
→Tinker Field	396 (126.18)+	CA;170°,5.3	(3); 126.18
WILL ROGERS FIELD (Oklahoma City)	272 (126.18)	C	(4); 126.18,131.9
WASHINGTON FM	(- - -)	FM,155°,24.6	Oklahoma City

TEXAS

DALLAS (Love Field)	341(DL)(116.1)	SBMRAZ-VDT,356°,2.5	(3); 116.1
DUNCANVILLE	404 (D)	FMK,176°,10.5	Dallas
DUNCANVILLE FM	(- -)	FM,176°,10.5	Dallas
FORNEY FM	(-)	FM,86°,23	Dallas
FORT WORTH (Meacham Field)	365(FV)(116.1)	SBRAZ-VDTX,177°,2.3	(3); 116.1
→Fort Worth AAF	201 (126.18)+	CA	(3); 126.18
FORT WORTH LFM	(- - -)	LFM,177°,6.2	Fort Worth
HASLET FM	(-)	FM,1°,8.1	Fort Worth
HASLET	371 (F)	FMK,1°,8.1	Fort Worth
HENSLEY FIELD (Dallas)	396 (126.18)	CA	(4); 126.18
JOSHUA FM	(. . - - -)	FM,177°,27.7	Fort Worth
LOVE FIELD (Dallas)	278 (126.18) (118.9)	AC (ILS)	(4); 118.9,131.9,126.18
MEACHAM FIELD (Fort Worth)	272 (126.18) (118.7)	AC	(4); 126.1, 118.7, 131.9
WAXAHACHIE FM	(. . - -)	FM,176°,27	Dallas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOVE, TEXAS	110.3	335	140° Mag.	IM	MM ·--- (.70)	OM -- (4.35)
					MMK 311 ·--- (.75)	OMK
MEACHAM, TEXAS				IM	MM	OM
					MMK 356 ····-(.70)	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+— Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OKLAHOMA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anadarko	1.5 SW;RR E	1260	20 S1	80 oct.
Bethany (Oklahoma City)	8WNW	1300	44h S6	80,91 oct.Pwr line S.
Bomhoff (Calumet)	4.1 SSE;hwy S	1448	25 S4	73,80,91 oct.
Caddo Flying Ser.(Ft.Cobb)	6 SE;hwy S	1250	16 S2	80 oct.
Chickasha	4 NNW;riv S	1140	37 L S6	80,91 oct.Flood,obst lgts.
Cimarron (Yukon)	4 WSW;hwy N	1350	20h	
El Reno	1.5 SW;RR N	1400	26 L S6	80 oct.Port rnwy lgts.
Geary	1.4 E;RR N	1300	21 S2	73 oct.
Garthwaffner Co. Club (Oklahoma City)	7.3 S;hwy E	1270	19h S6	80 oct.
Lake View (Yukon)(NC)	2.7 E;RR N	1275	24	PRIVATE.Poles N,S.
Max Westheimer (Norman)	2.7 NW;RR E	1178	50h S2	80,91 oct.
Mustang (El Reno)	5.3 SSW	1400	52	
Nuckols (Oklahoma City)	7.2 SSW;hwy W	1265	30 S6	80 oct.Poles N,W,SW.

OKLAHOMA

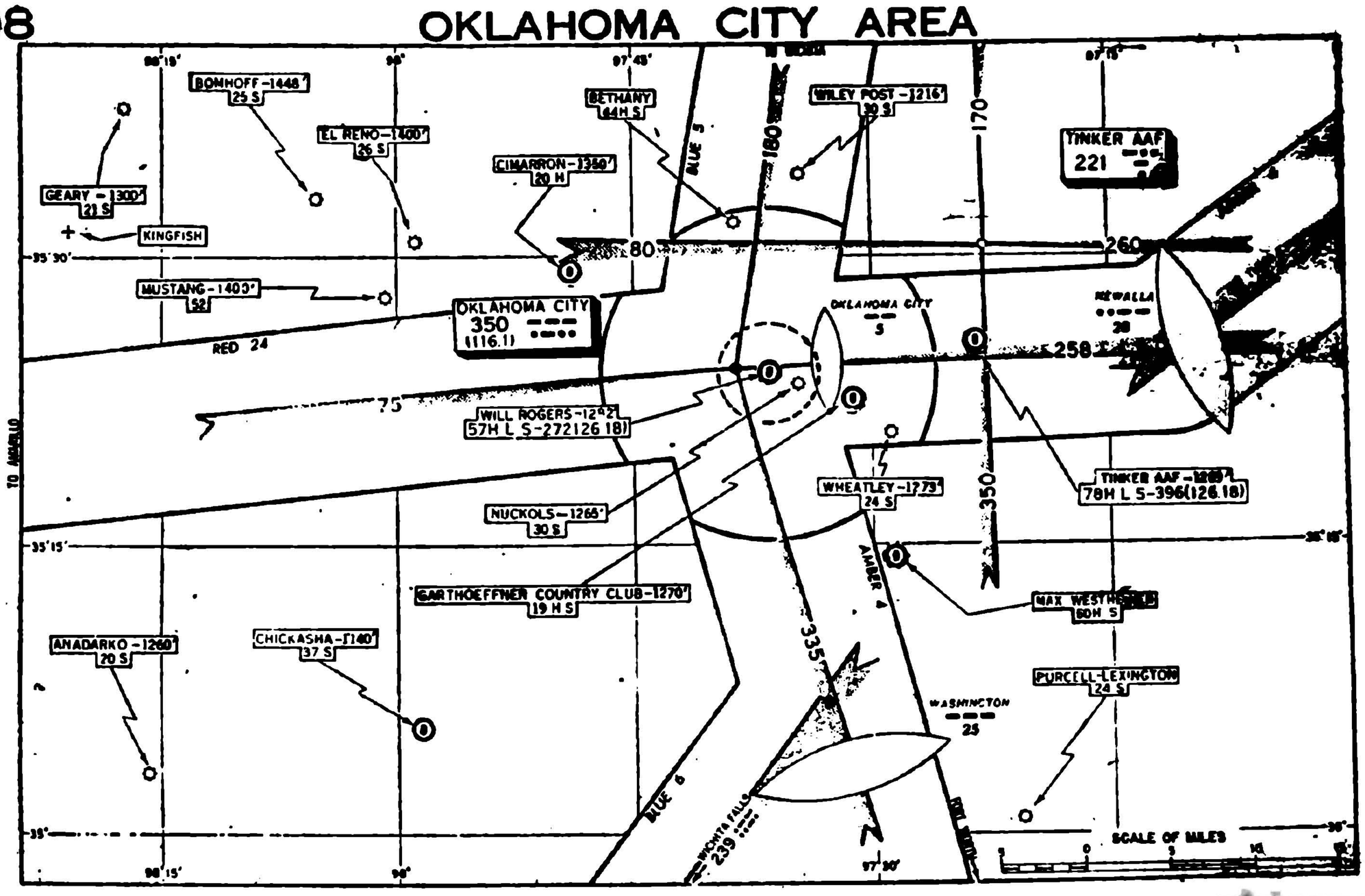
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Purcell-Lexington (Lexington)	0.8 WSW;riv W	1100	24 S2	80 oct.Trees S,SSW,SSE.
(A,N) Tinker (Oklahoma City)	8.5 SE;RR NE	1269	78h R2 L5 S6	62,91,100 oct.JP-1,NAFC. (A)
Wheatley Airpark (Moore)	0.6 NE;hwy W	1273	24 S6	73 oct.
Wiley Post (Oklahoma City)	7.9 NNW;hwy E	1276	30 S6	80,91 oct.Trees S.
WILL ROGERS (Oklahoma City)	7.5 SW;hwy E	1282	57h R2 L5 S6	80,91,100 oct.

TEXAS

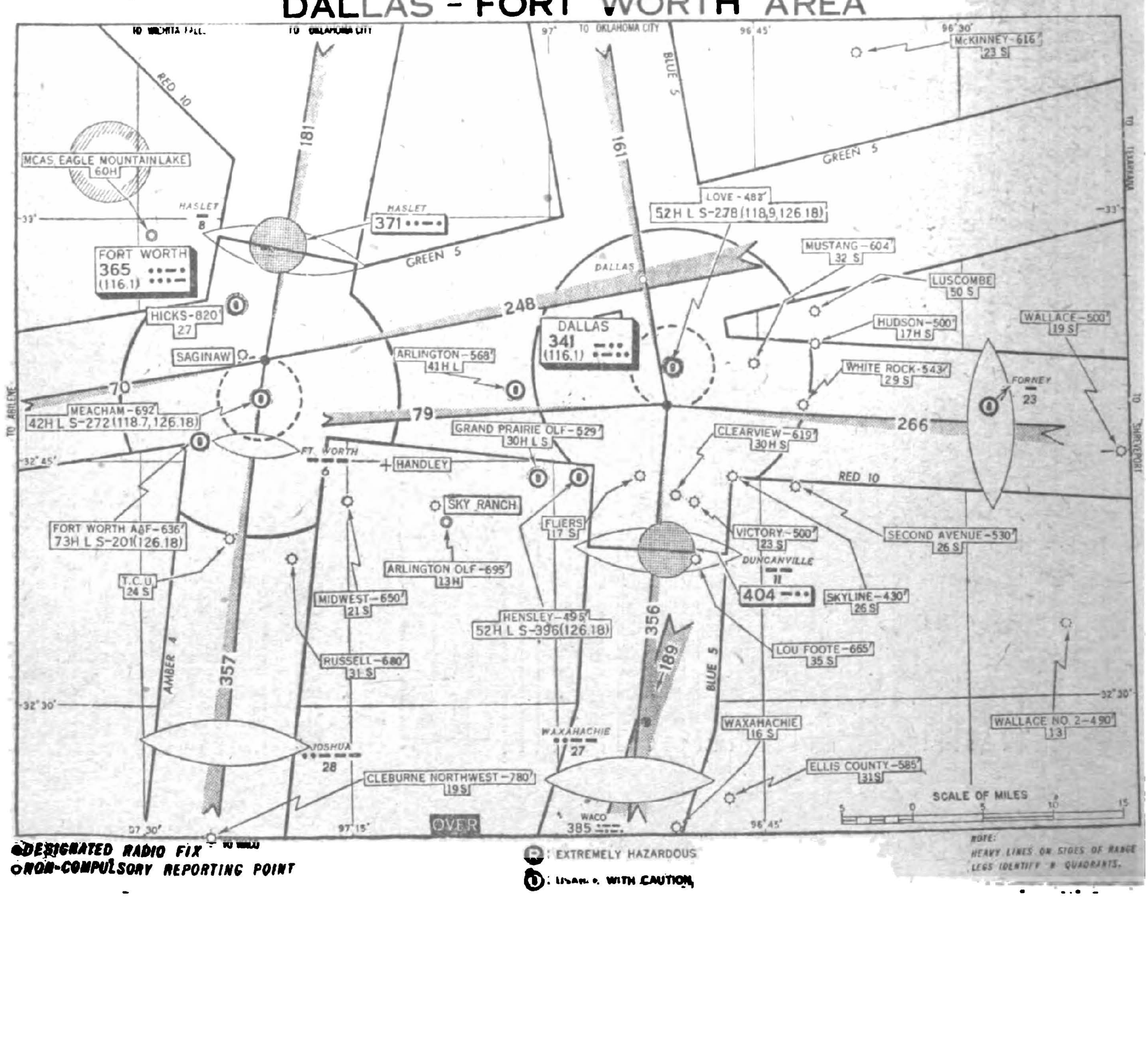
(N)	Arlington-Midway	6.8 NNE;RR S	568	41h L5	Poles S.
(N)	" OLF (N)	4 SSW;rd W	695	13h	
	Clearview (Dallas)	5.1 SSW;RR N	619	30h S6	80,91 oct.
	Cleburne Northwest	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
(N)	Eagle Mtn Lake MCAS (Newark) (N)	1 SSE;RR NE	745	60h	INACTIVE.
	Ellis Co. (Waxahachie)	3.5 NE;RR S	585	31 S2	73 oct.Pole line S.
	Fliers (Dallas)	6.2 WSW;RR W	580	17 S4	80 oct.No sto.Trees S.
(A)	Fort Worth AAF (A)	6.8 WNW;lake N	636	73h R1 L5 S6	73,91,100 oct.JP-1.
(N)	Grand Prairie OLF (N)	1 WSW;RR N	529	30h L5 S4	73 oct.No bcn.
	Handley	0.6 NE;RR S	630	26 S6	73 oct.
(A,N)	Hensley (Dallas)(A)(N)	11 WSW;hwy N	495	52h R1 L5 S4	73,91,100 oct.
	Hicks (Fort Worth)	12.5 NNW;lk W	820	27	
	Hudson (Dallas)	9.6 NE;RR SE	500	17h S6	80,91 oct.Pole line W.
	Lou Foote (Dallas)	8.8 S;hwy E	665	35 S6	73,80,91 oct. Bldgs N,NE.
	LOVE (Dallas)	5 NNW;RR SW	483	52h R3 L6 S6	73-100 oct. Poles S.
	Luscombe (Garland)	2.2 WSW;RR N	610	50 S5	80 oct.No storage.
	McKinney	2.1 S;hwy W	616	23 S2	80 oct.Poles E,W.
(P)	MEACHAM (Fort Worth)	5.5 NNW;hwy NE	692	42h R2 L6 S6	73,80,91,100 oct.
	Midwest (Fort Worth)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts.Pole line W,S.
	Mustang (Dallas)	6 NNE;hwy NE	604	32 S6	80,91 oct.
(M)	Russell (Fort Worth)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
	Second Avenue (Dallas)	7 SE;RR N	530	26 S1	73,80 oct.Use strips.Poles S.
	Skyline (Dallas)	3.2 SSE;riv E	430	26 S6	80,91 oct. Trees NW.
	T. C. U. (Fort Worth)	6.6 SW;RR S	710	24 S6	80,91 oct.
	Victory (Dallas)	4.6 S;hwy W	500	23 S6	73,80 oct.No sto.Pole line E.
	Wallace (Terrell)	2 W;RR S	500	19 S2	80 oct.
	Wallace #2 (Kaufman)	4 W;hwy N	490	13	
	Waxahachie	1.5 SSW;hwys E	558	16 S1	73 oct.
	White Rock (Dallas)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
	Sky Ranch (Arlington,Tex)	3 SW; RR N	590	25 S2	80 oct.
	Saginaw (Tex.)	0.5 WNW;RR E	790	26 S6	80,91 oct.
	Kingfish (Hinton,Okla)	3 N; hwy N		19 S1	80 oct. Data Unverified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

OKLAHOMA CITY AREA



DALLAS - FORT WORTH AREA



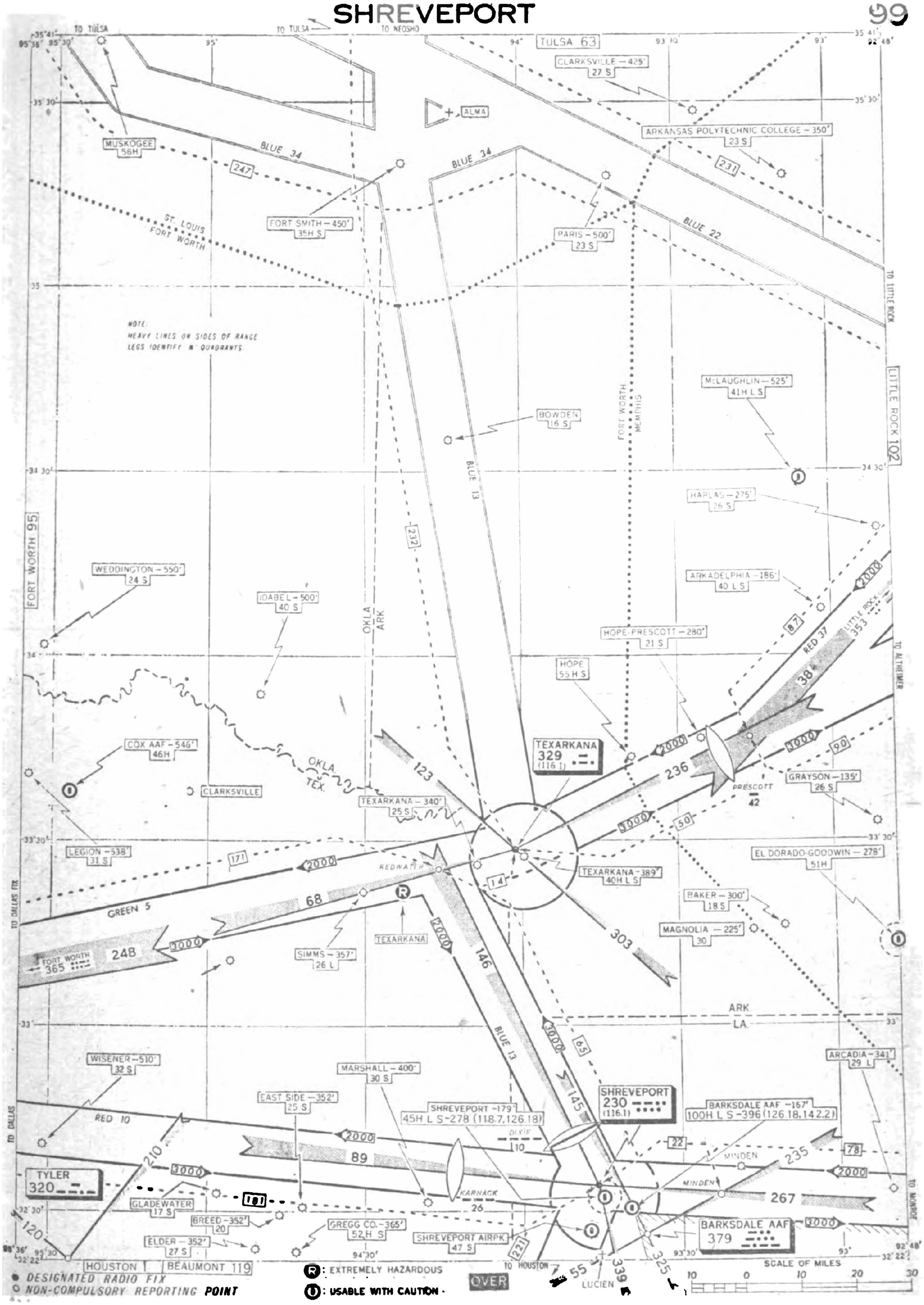
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓟ : EXTREMELY HAZARDOUS

Ⓒ : USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS.

SHREVEPORT


TO TULSA
TO TULSA
TO NEOSHO
TULSA 63
CLARKSVILLE – 425'
27 S
ALMA
ARKANSAS POLYTECHNIC COLLEGE – 350'
23 S
MUSKOGEE
56H
BLUE 34
247
BLUE 34
231
ST. LOUIS
FORT WORTH
FORT SMITH – 450'
35H S
PARIS – 500'
23 S
BLUE 22
TO LITTLE ROCK
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY IN QUADRANTS.
LITTLE ROCK 102
McLAUGHLIN – 525'
41H L S
BOWDEN
16 S
FORT WORTH
MEMPHIS
BLUE 13
HARLAS – 275'
26 S
FORT WORTH 95
OKLA.
ARK.
232
WEDDINGTON – 550'
24 S
IDABEL – 500'
40 S
ARKADELPHIA – 186'
40 L S
HOPE-PRESCOTT – 280'
21 S
HOPE
55 H S
2000
87
RED 37
LITTLE ROCK
353
38
COX AAF – 546'
46H
CLARKSVILLE
OKLA.
TEX.
123
TEXARKANA
329
(116.1)
TEXARKANA – 340'
25 S
2000
236
3000
90
PRESCOTT
42
GRAYSON – 135'
26 S
3000
50
LEGION – 538'
31 S
171
2000
REDWATER
14
TEXARKANA – 389'
40H L S
EL DORADO-GOODWIN – 278'
51H
GREEN 5
68
R
BAKER – 300'
18 S
MAGNOLIA – 225'
30
TO DALLAS FIX
FORT WORTH
365
248
3000
SIMMS – 357'
26 L
TEXARKANA
2000
146
303
ARK
LA.
BLUE 13
3000
65
WISENER – 510'
32 S
MARSHALL – 400'
30 S
ARCADIA – 341'
29 L
EAST SIDE – 352'
25 S
SHREVEPORT – 179'
45H L S – 278 (118.7, 126.18)
SHREVEPORT
230
(116.1)
145
BARKSDALE AAF – 167'
100H L S – 396 (126.18, 142.2)
RED 10
DIXIE
10
22
MINDEN
235
78
2000
210
3000
89
TYLER
320
MINDEN
267
101
KARNACK
26
GLADEWATER
17 S
BREED – 352'
20
ELDER – 352'
27 S
GREGG CO. – 365'
52H S
SHREVEPORT AIRPK
47 S
BARKSDALE AAF
379
3000
120
221
HOUSTON
BEAUMONT 119
TO HOUSTON
55
339
325
LUCIEN
TO DALLAS
TO MONROE
SCALE OF MILES
10 0 10 20 30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
OVER

RADIO

ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT FM	(-)	FM, 56°, 42	Texarkana
→ TEXARKANA	329(TR)(116.1)	SBRAZ-VDT,123°,2.2	(4); 116.1

LOUISIANA

BARKSDALE(Shreveport)(Army)	379 (DBY)	SMRAZ	(3)
→ Barksdale Field	396(126.18,142.2)	CA(ILS),325°,4.4	(3); 126.18,142.2
DIXIE FM	(- - - -) +	FM, 326°, 10.2	Shreveport
SHREVEPORT	230(ZH)(116.1)	SBRAZ-VDT	(3); 116.1
Shreveport Airport	278(126.18,118.7)	AC; 146°, 1.8	(4); 142.74,131.9,118.7,126.18

TEXAS

KARNACK FM	(- - -)	FM, 269°, 26	Shreveport, La.
TYLER (Pounds)	320 (TQ)	BMRLZ-DT,120°,1.4	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)					
Barksdale, La.	110.3	335	323°Mag.	IM- (.07)	MM-	(1.00)	OM-	(4.39)
					MMK-		OMK-	
Barksdale, La.	109.9		143°Mag.	IM- (.25)	MM-	·····(.64)	OM-	-- (4.35)
					MMK-		OMK-	
				IM-	MM-		OM-	
					MMK-		OMK-	
				IM-	MM-		OM-	
					MMK-		OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (6)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice

+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alma	1.5 SE		22 S2	80 oct. Data unver.
Arkadelphia,24,DL-LV	1.5 ENE,RR N	186	40 L3 S6	80 oct.Pole line N, NW.
Arkansas Polytechnic (Russellville)	1.3 N,hwy W	350	23 S6	73 oct. Pole line SE.
Baker (Magnolia)	4.3 E,hwy S	300	18 S6	80, 91 oct.Pole line SW.
Bowden (Mena)	1 E,RR NW	1177	16 S1	73 oct.
Clarksville	2.5 E,hwy S	425	27 S1	80 oct.Pole line WSW.
(P) El Dorado-Goodwin (El Dorado)	8.6 W,hwy S	278	51h	
FORT SMITH	4 SSE,RR S	450	35h L3 S6	80 oct.150' stacks W.
Grayson (Camden)	3.4 SW,RR S	135	26 S6	80,91 oct. No sto.
Greig (Van Buren) (NC)	4.1 E,RR 1.5 N	450	13	
Harlas (Malvern)	2.1 WSW,RR SE	275	26 S1	73 oct. Power line NE.
Hope	5 NNW,RR E	359	55h L3 S6	80,91 oct.Lgts prior req.Use rnwy.
Hope Prescott (Prescott)	3 SW,RR E	280	21 S6	80 oct.
(P) McLaughlin (Hot Springs)	3 SW,RR N	525	41h L5 S6	80 oct.Bldg,twr N.All lgts prior req.Avail.Army 0800-1600 week days only.
Magnolia	1.6 WSW,RR E	225	30	10' bldg SSW.
Norman (Ola)(NC)	1.8 NNE,hwy E	348	28	Pole line E.
Paris	1.8 NE,RR 1 S	500	23 S1	73 oct.Pole lines W,E,SW.
TEXARKANA	4 NE,RR W	389	40h R1 L5 S6	80,91,100 oct.

LOUISIANA

* Arcadia Int,26,FV-AG	4.5 E,RR S	341	29 L3 S2	No fuel. Pole line SW.
(A) Barksdale (Shreveport)(A)	5.8 E,riv W	167	100h R3 L5 S4	73,91,100 oct. JP-1.
Cross Lake (Shreveport)	7 WNW,RR NE	210	40	CAUTION. Data unver.
Lucien (Shreveport)	7 S	205	31 S4	80 oct.Data unver.
Minden	1.5 W,RR S	200	26 S4	80 oct.Trees sur fld.
Northeast Aviation (Bastrop)	2 WSW	90	17 S4	80 oct.No sto. Data unver.
(P) SHREVEPORT	2.5 NNE,riv E	179	45h R2 L5 S6	73,80 oct.
Shreveport Airpark	4.5 SSW,bet RRs	300	47 S6	80,91 oct.Pole line SE.

OKLAHOMA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Heavener (NC)	2 N,hwy W	575	27	
Idabel	1.3 NW,RR E	500	40 S2	80 oct.
(P) Muskogee	5.5 S,RR W	610	56h	Hill SW.
Nashoba (NC)	0.8 SE,riv S	625	13	PRIVATE.
Poteau (NC)	1.5 SSW,hwy W	460	15	
Weddington (Hugo)	1.9 NW,hwy SW	550	24 S1	80 oct. Pole line E.

TEXAS

Greed (Longview)	2 W,RR N	352	20	Pole line around fld.
Clarksville	2.8 NNW,RR SW	480	20 S6	73,80 oct.
(A) Cox AAF (Paris)(A)	6.5 ESE,RR N	546	46h	INACTIVE.
East Side (Longview)	2.4 NE,RR S	352	25 L S6	80,91 oct.Port rnwy lgts. Pole line S.
Elder (Kilgore)	2.5 NE,RR E	352	27 S6	80,87,91 oct.Pole line W
Gladewater	2 WNW,RR S	550	17 S6	73 oct.No sto.Pole line N,S.
(P) Gregg County(Longview)	7.2 S,riv N	365	52h S1	80, 91 oct.
Holmes (Gilmer)(NC)	4 N,RR W	370	23	Pole line W. Cattle on fld.
Legion (Paris)	1.9 NW,RR E	538	31 S6	80 oct.Pole line E.
Mt. Pleasant	2.8 ENE,RR S	393	20 S1	80 oct.
Marshall	3.9 SE,hwy N	400	30 S6	73 oct. Pole line N.
* Simms Int, 14, DE-LV	1 NE,hwy E	357	26 L3	Pole line E, S.
Texarkana	6 W,RR N	340	25 L S6	80, 91 oct.Flare pots in emerg.
Wisener (Mineola)	1.5 NW,hwy S	510	32 S2	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC (not charted). → New or revised data

RADIO — ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
→ ADAMS FIELD (Little Rock)	278 (126.18,118.5)	C	(4); 126.18,118.5,131.9
BRUINS FM	(- - - -)	FM; 240°, 24	Memphis, Tenn.
→ LITTLE ROCK (Adams Field)	353 (LI)(116.1)	SBRAZ-VDT,313°,3.8	(3); 116.1
STUTTGART	269 (DSA)	MRLWZ,173°, 4.7	
LOUISIANA			
MONROE (Selman)	359 (UO)(116.1)	SBMRLZ-VDT,25°,2.8	(4); 116.1
MISSISSIPPI			
FLORA FM	(-)	FM, 356°, 13	Jackson
GREENWOOD	281 (GD)(116.1)	BMLZ-VDT, 265°,1.9	(4); 116.1
JACKSON	260 (JA)(116.1)	SBRAZ-VDT,178°,2.4	(3); 116.1
NESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
VICKSBURG	382 (VS)(116.1)	MHVT	(4); 116.1
TENNESSEE			
CUBA FM	(-)	FM, 356°, 20.5	Memphis

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARKANSAS

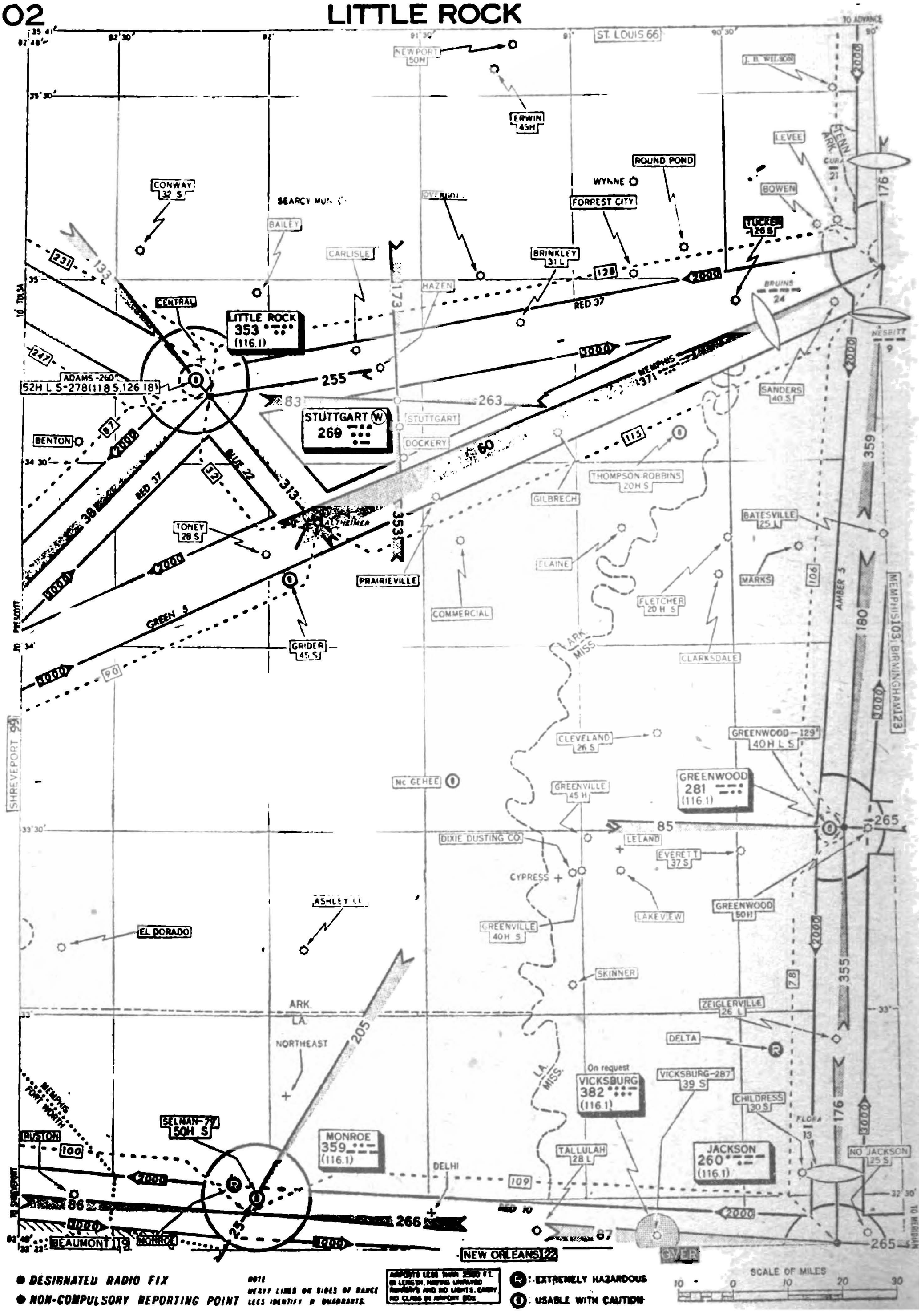
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) ADAMS (Little Rock)	4 E,RR W	260	52h R2 L5 S6	80,91 oct.;73,100,JP-1 mil.acft.
Ashley Co.(Crossett)	5.5 NE,RR E	160	21 S1	Ltd 80 oct.Obsts surround fld.
Bailey (Cabot)	0.5 W,RR E	270	16 S1	80 oct. Trees surround fld.
Benton	1.6 W,RR S	300	20 S6	80 oct.Poles S.
Bowen (West Memphis)	1.5 W,hwy N	215	17 L S6	80 oct.Flood lgts.; port rnwy lgts. Poles SE.
Brinkley, 37, DL-LV	1 E,RR N	188	31 L3 S1	80 oct days. Obst NW.
Carlisle (Stuttgart)	26 NW,RR S	236	45h	
Central (Little Rock)	4.5 NE,RR S	255	35 S4	80 oct. Trees W Data unver.
Commercial (De Witt)	2.4 W,RR N	196	24 S4	80 oct.Poleline E.
Conway	1.5 SE,hwy W	309	32 S6	80 oct.
Dockery (Stuttgart)	1.5 NNW	214	24 S2	73,80 oct. Pole line N,S,E.
Elaine	1.3 N,RR E	170	18 S2	80 oct. Trees S, SE.
EL DORADO	1.5 S,RR W	265	24 S4	80 oct.
Erwin (Newport)	2.5 SSE	220	45h	
Forrest City	0.7 W,hwy SE	226	22 S2	80 oct. Bldg S.
Gilbrech (Palmer)	0.2 NE,RR S	178	17 S2	80 oct.N/S strip rough.Poles W.
Grider (Pine Bluff)	5.5 SE,hwy N	210	45 L S6	73,80 oct. Port rnwy lgts.
Hazen (Stuttgart)	18.7 NNW,RR N	225	45h	
J.B. Wilson (Joiner)	0.5 ENE,hwy W	225	15	Trees NE.
Levee (West Memphis)	2.4 E,RR N	215	24 L S4	Ltd 73 oct.Port rnwy lgts.Poleline N, S.
McGehee	0.6 NNW,RR E	145	30 S1	80 oct. Hwy E.
Newport	6 ENE,hwy N	237	50h	
Overholt (Cotton Plant)	3 W,RR NE	250	18 S1	Ltd 80 oct.
Prairieville (Stuttgart)	8.2 SE	205	45h	
Round Pond	1.5 NNW,hwy N	200	22 S2	80 oct.
Searcy	2.8 S,RR E	260	14 S1	80 oct. Pole line NE, SE
Stuttgart	7 N,RR E	230	50h	
Thompson-Robbins (Helena)	6 NW, RR S	242	20h S6	73, 80 oct.
Tony (Pine Bluff)	2.5 N,hwy W	215	28 S2	73,80 oct. Twr NW lgtd.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data.

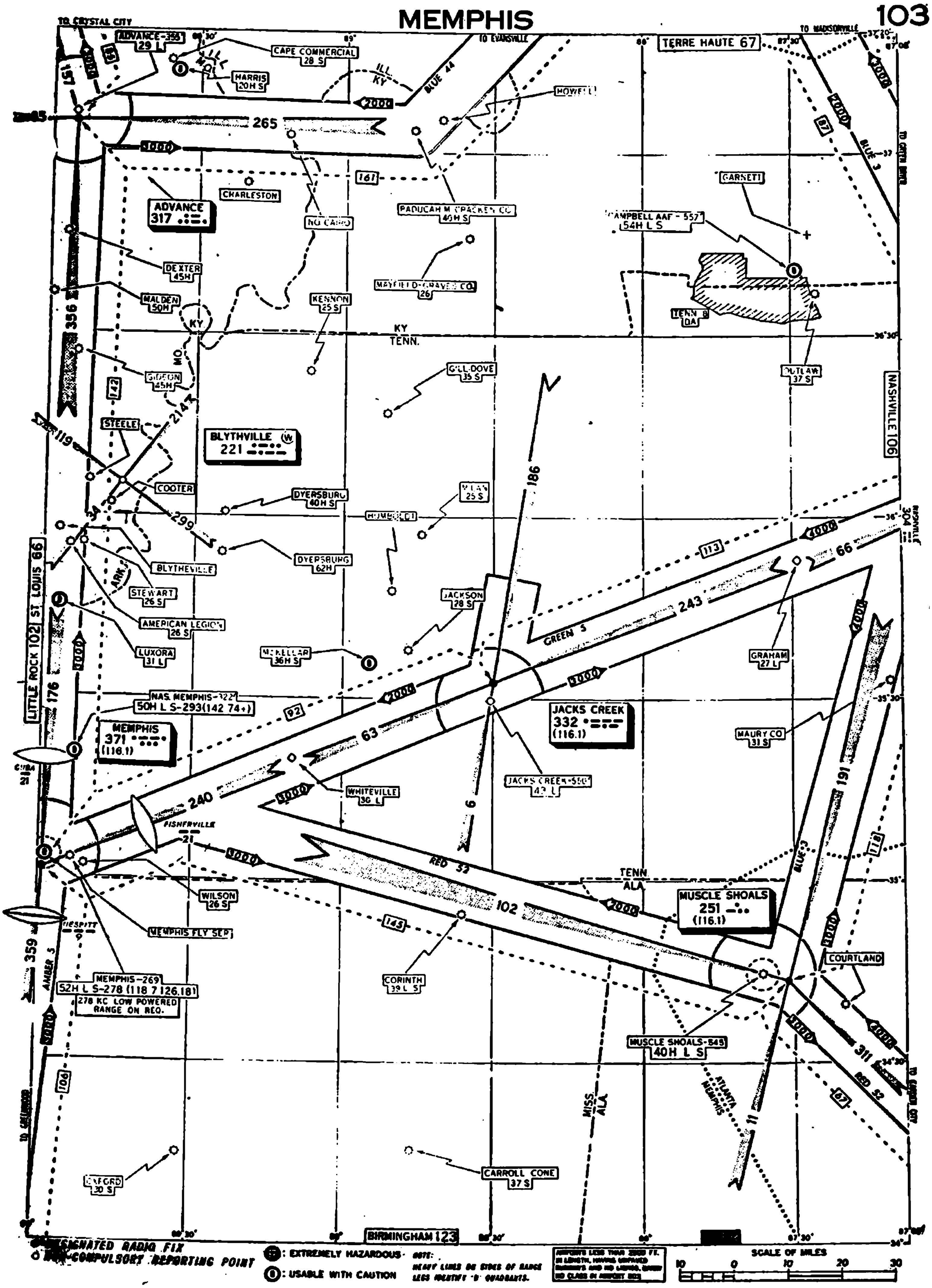
ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Tucker (Hughes)	1.1 S,RR W	205	26 S2	80 oct.
Wright (Monticello)	1 ENE,hwy S	230	15	Pole line S.
Wynne	3.2 N,RR E	212	17 S2	80 oct. Pole line E,SE.
LOUISIANA				
Delhi Flying Service (Delhi)	0.5 N	95	23 S4	80 oct.Poleline E.Data unver.
Monroe Airpark	2.5 N,riv W	77	20 S4	73 oct.
Ruston	1.2 SE,RR N	317	32 L S6	80,91 oct.Lgts prior req.1600 rnwy hard surface.
SELMAN (Monroe)	4.6 E,RR N	79	50h R1 S6	80,91 oct.
★ Tallulah Int,36,FV-AG	2.4 ENE,RR S	84	28 L3	Beacon S.
MISSISSIPPI				
Augustine (Jackson)(NC)	11.5 NE,riv SE	335	40	
★ Batesville Int,29,NO-LS	3 W,hwy SE	205	25 L3	Poles N, lgtd.
Canton (NC)	1.4 WNW,RR E	300	38	Tank E.
Childress (Flora)	1.5 NNW,RR E	186	30 S1	73 oct.Trees, bldg N
Clarksdale	1.5 SE,hwy NW	175	22 S6	73 oct. Use strips only.
Cleveland	2 NW,hwy S	400	26 S6	73 oct.
Cole (Heads)(NC)	3 NE,RR W	118	16	
Cypress (Greenville)	1.5 SSW,lake E	120	28 S1	80 oct. Data unver.
Delta (Yazoo)	3.3 NNE,RR SE	115	21 S1	73 oct.Pole line N.
Dixie Dusting Co. (Greenville)	2 SE,RR,hwy N	118	16 S4	73 oct. No sto.
Everett (Moorhead)	1 SE,RR N	127	37 S6	73 oct. No sto.
Fletcher (Clarksdale)	8 NNE,RR W	175	20h S6	80, 91 oct.
Greenville, mun.	3.5 ESE,hwy N	118	40h S1	80, oct.
Greenville	6.5 NE,road W	131	45h	
GREENWOOD, mun.	2.3 SW,RR SE	129	40h R1 L5 S2	73,80 oct.Pole line E,SE.
Greenwood	5.8 ESE,hwy N	162	50h	
Lakeview Airpark (Leland)	1.7 SE,lake E	120	18 S4	73 oct.No sto.Data unver.
Leland	3 NNE		23 S4	80 oct.No sto.Pwrline NW. Data unver.
Marks	1.5 NW,hwy N	106	22 S1	73 oct.
North Jackson Arpk.(Jackson)	7.5 NE,hwy E	300	25 S4	80 oct.No sto.Trees S.
Sanders (Walls)	1.8 S,hwy NW	210	40 S6	73,80 oct.Trees E.
Skinner (Glen Allan)	4 N,lake W	110	18 S1	73 oct.
Vicksburg	6.8 NE,hwy W	287	39 R1 S4	80,91 oct.
★ Zeiglerville Int,19,NO-LS	3 SW,riv N	248	26 L2	Twr SE.Trees E,S,SE.

LITTLE ROCK


ST. LOUIS 66
TO ADVANCE
NEWPORT 50M
ERWIN 45M
J. B. WILSON
LEVEE
BOWEN
TUCKER 26 S
ROUND POND
WYNNE
FORREST CITY
CONWAY 32 S
SEARCY
BAILEY
CARLISLE
HAZEN
BRINKLEY 31 L
RED 37
BRUINS 24
NESBITT 9
CENTRAL
LITTLE ROCK 353 (116.1)
ADAMS -260
52H L S-278(118 S,126 18H)
STUTTGART (W) 269
STUTTGART
DOCKERY
SANDERS 40 S
MEMPHIS 1371
BENTON
ALTHEIMER
TONEY 28 S
PRAIRIE VILLE
GILBRECH
THOMPSON-ROBBINS 20H S
BATESVILLE 25 L
ELAINE
MARKS
FLETCHER 20 H S
COMMERCIAL
CLARKSDALE
GRIDER 45 S
GREEN 5
PRESCOTT
SHREVEPORT 99
CLEVELAND 26 S
GREENWOOD – 129
40H L S
GREENWOOD 281 (116.1)
Mc GEHEE
GREENVILLE 45 H
DIXIE DUSTING CO.
LELAND
EVERETT 37 S
CYPRESS
LAKEVIEW
GREENWOOD 50H
GREENVILLE 40H S
SKINNER
ZEIGLERVILLE 26 L
DELTA
EL DORADO
ASHLEY
ARK.
LA.
NORTHEAST
On request
VICKSBURG 382 (116.1)
VICKSBURG-287 39 S
CHILDRESS 30 S
JACKSON 260 (116.1)
NO JACKSON 25 S
TALLULAH 28 L
MONROE 359 (116.1)
SELMAN-79 50H S
HUSTON
DELHI
BEAUMONT 113
MONROE
NEW ORLEANS 22
MEMPHIS-BIRMINGHAM 123
AMBER 3
ARK MISS
MEMPHIS FORT WORTH
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
● NON-COMPULSORY REPORTING POINT
NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 8 QUADRANTS.
AIRPORTS LESS THAN 2500 FT. OR LESS IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SIZE.
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION

MEMPHIS


TO CRYSTAL CITY
ADVANCE-355
29 L
CAPE COMMERCIAL
28 S
HARRIS
20H S
ILL
KY
BLUE 44
TO EVANSVILLE
TERRE HAUTE 67
TO MADISONVILLE
HOWELL
265
161
CHARLESTON
ADVANCE
317
PADUCAH M CRACKEN CO
40H S
CAMPBELL AAF - 557
54H L S
GARNETT
DEXTER
45H
MALDEN
50H
KENNON
25 S
MAYFIELD-GRAVES CO
26
KY
TENN.
TENN B
0A
OUTLAW
37 S
GILLDOVE
35 S
NASHVILLE 106
SIDEON
25H
STEELE
BLYTHVILLE
221
COOTER
DYERSBURG
40H S
DYERSBURG
62H
BLYTHEVILLE
STEWART
26 S
AMERICAN LEGION
28 S
LUXORA
31 L
MCKELLAR
36H S
JACKSON
28 S
GREEN S
GRAHAM
27 L
NAS MEMPHIS-322
50H L S-293(142 74+)
MEMPHIS
371
(116.1)
JACKS CREEK
332
(116.1)
MAURY CO
31 S
WHITEVILLE
36 L
JACKS CREEK-SEC
42 L
FISHERVILLE
21
WILSON
26 S
MEMPHIS FLY SER
TIESPITT
MEMPHIS-269
52H L S-278 (118 7 126.18)
278 KC LOW POWERED
RANGE ON REQ.
CORINTH
39 L S
TENN
ALA
MUSCLE SHOALS
251
(116.1)
COURTLAND
MUSCLE SHOALS-545
40H L S
ATLANTA
MEMPHIS
MISS
ALA
CARROLL CONE
37 S
BIRMINGHAM 123
TO LITTLE ROCK
TO SAINT LOUIS
TO MEMPHIS
TO CAIRO
TO NASHVILLE
TO CAPE GIR
186
243
240
63
92
102
145
299
119
66
113
191
311
176
359
6
RED 52
BLUE 3
AMBER 3
ARK
MO
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
NOTE:
HEAVY LINES BE SIDES OF RADIO LEGS INDICATE "B" BOUNDARYS.
AIRPORTS LESS THAN 2000 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, OPEN TO CLASS IN AIRPORT DIR.
SCALE OF MILES
10 0 10 20 30

MEMPHIS

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
MUSCLE SHOALS	251 (ED)(116.1)	SBRAZ-VDT, 282°, 4.5	(4); 116.1
ARKANSAS			
BLYTHEVILLE	221 (LY)	RLWZ, 225°, 13.6	
KENTUCKY			
CAMPBELL AAF (Hopkinsville)			DECOMMISSIONED
MISSISSIPPI			
NESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
MISSOURI			
ADVANCE (Int.)	317 (AP)	SBMRAZ-DT, 354° 1.5	(4)
TENNESSEE			
CUBA FM	(-)	FM, 356°, 20.5	Memphis
FISHERVILLE FM	(- -)	FM, 60°, 20.5	Memphis
JACKS CREEK (Int.)	332 (JK)(116.1)	BMRLZ-VDT, 186°, 2.62	(4); 116.1
MEMPHIS	371 (PS)(116.1)	SBRAZ-VDT	(3); 116.1
Memphis Airport	278(126.18.138.7)+	AC(ILS); 356°, 2.1	(4); 131.9, 118.7 See Memphis Notice to Airmen
Memphis Airport	278	MLW	(On request only)
Memphis NAS	293 (142.74)	CN	3105; 142.74 (6-24)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Memphis, Tenn.	109.9	333.8	90°Mag.	IM-	MM- •-•- (.66)	OM- — (4.9)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice. W Without Voice. Z VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ALABAMA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Courtland	1.5 SW; RR N	587	50h	
Muscle Shoals	1.5 E; dam NNW	545	40h R1 L5 S6	80, 91 oct.
ARKANSAS				
American Legion (Blytheville)	1.5 ESE; RR N	260	26 S6	80 oct. Pole line N. W. Stack E.
Cooter (Blytheville)	10 NE	260	40h	
★ Luxora Int, 39, NO-LS	1 WNW; hwy S	240	31 L2	
Steele (Blytheville)	12.3 N	258	40h	
Stewart (Blytheville)	2.2 E; RR S	254	26 S2	80 oct.
Blytheville	3 NW; RR SW	254	50h	
ILLINOIS				
North Cairo (Cairo)	3 NNW; RR E	312	24 S4	73 oct.
KENTUCKY				
(A) Campbell AAF (Hopkinsville)(A)	12.8 S; RR E	557	54h L5 S4	73,100 oct.
Garnett (Hopkinsville)	6 SSE; hwy W		23 S1	80 oct. Data not verified.
Howell (Paducah)	4 WNW; RR S	371	21 S6	80 oct.
Mayfield-Graves County	3.6 ENE; hwy S	543	26	
PADUCAH-McCRACKEN CO. (Paducah)	8.8 W; RR N	405	40h S6	80, 91 oct. No sto.
MISSISSIPPI				
Carroll Cone (Tupelo)	3 W; hwy S	278	37 S1	80 oct.
Corinth 7, PS-TM	5 WSW; hwy N	418	39 L3 S4	80,91 oct.
Oxford	8 S; riv N, W	400	30 S2	73 oct.
MISSOURI				
★ Advance Int, 48, NO-LS	0.8 WSW; RR S	355	29 R1 L3	
Cape Commercial (Cape Girardeau)	4.8 SW; RR S	340	28 S6	80,91 oct. 8' dike S.
Dexter (Malden)	12.5 NNE	315	45h	
Harris (Cape Girardeau)	6.5 SSW; hwy E	340	20h S6	80, 91 oct.
Harvey Parks (Sikeston)(NC)	2 NE; RR S	315	66	Pole line W. Allway area.
Malden	3.5 NW; RR E	296	50h	
Gideon (Malden)	1 SE of Gideon	268	45h	
TENNESSEE				
Dyersburg	9 S; RR E	289	62h	
Dyersburg, mun.	2 SW; riv N	337	30h S4	80 oct. No sto.
Embry Riddle (Union City)	5 ESE; riv WNW	340	18h	Allway: 4620 x 3960'.
Gill-Dove (Martin)	3.5 S; hwy E	416	35 S6	80 oct.
★ Graham Int, 59, DL-LV	1.5 NW; hwy E	536	27 L3	
Humboldt	4.6 ESE; hwy W	380	15 S1	80 oct.
★ Jacks Creek Int, 53, DL-LV	2 N; hwy E	550	43 R1 L3	
Jackson	2.5 ENE; hwy NW	450	28 S6	80 oct.
Kennon (Union City)	3.2 WSW; hwy N	350	25 S6	80 oct. No sto. Pole line N.
(P) McKellar (Jackson)	5.8 W; RR S	410	36h S6	80 oct.
Maury County (Mt. Pleasant)	2.5 ENE; RR SW	672	31 S2	80 oct. Pole line NW.
(A) MEMPHIS	5.9 SSE; RR NE	269	52h R3 L6 S6	73, 91, 100 oct. JP-1. Radio required.
Memphis Flying Service (Memphis)	11 SE; RR 3 NW	286	35 L4 S6	80,91 oct. Pole line S. No ben. Lgts prior req.
(N) Memphis NAS (N)	16 NNE; RR NW	322	50h R1 L5 S6	91, 100 oct. NATS. Rnwy, lgtg info not ver.
Milan	2.8 NNE, RR SE	421	25 S5	80, 91 oct.
Outlaw (Clarksville)	7.4 NNW; RR W	550	37 S5	80 oct.
Wilson (Memphis)	11.5 SE; hwy W	320	26 S6	73 oct.
★ Whiteville Int, 49, DL-LV	0.6 NNW, RR E	494	30 L3	
Charleston (Mo.)	1 ESE; RR NW	300	31 S2	80 oct. Poles S.

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing (See page IIII) (NC)-Not charted. → NEW OR REVISED DATA

NASHVILLE

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
GARDEN CITY FM	(. . -)	FM, 358°, 28	Birmingham
		KENTUCKY	
BOWLING GREEN	368 (BA)	SBMRAZ-DT, 296°, 3.8	(4)
		TENNESSEE	
BERRY FIELD (Nashville)	278(118.3,126.18)	AC (ILS)	(4):126.18,118.3,131.9.
CHATTANOOGA	341 (CE)(116.1)	SBRAZ-VDT	(4);116.1
→ Chattanooga-Lovell Field	278(126.18,118.9)	C, 203°, 3	(4):126.18,118.9
FAIRVIEW FM	(- - -)	FM, 246°, 28	Nashville
GREEN BRIER FM	(- - - -)	FM, 331°, 23	Nashville
KINGSTON FM	(- - - -)	FM, 276°, 27.5	Knoxville
MT. JULIET FM	(-)	FM, 66°, 9.6	Nashville
NASHVILLE (Berry)	304 (NA)	SBRAZ-DT, 244°, 2.6	(3)
SMITHVILLE (Int)	347 (XM)(116.1)	SBMRAZ-VDT, 177°, 1.4	(4):116.1
→ SMYRNA AAP (Nashville)	219 (126.18)+	CA (ILS)	(3):126.18
WALTERHILL FM	(- -)	FM, 129°, 19.6	Nashville

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BERRY, TENN.	109.9		14° Mag.	IM (.15)	MM (.81)	OM (4.17)
					MMK	OMK
SMYRNA AAF, TENN.	109.5	335	230° Mag.	IM (.04)	MM ..... (.81)	OM -- (4.31)
					MMK	OMK

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495. 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Albertville	1 NW;RR NE	1063	15 S1	80 oct.
Athens	3.2 NNW;hwy E	690	26 S2	80 oct. Lgt acft only.
Beaver Dam (Decatur)(NC)	7 E;RR W	580	20	
Centre (NC)	0.6 NNW;RR E	720	23	
Cullman	5 SSE;RR E	740	15 S2	73 oct.
Decatur	4 WNW;hwy N	577	19	Pwr line N.
Gadsden	1.9 SW;hwy N	540	20 S2	80 oct. Fld rough.
Guntersville Dam (NC)	9.1 NW;hwy E	600	30	
Hartselle	1 WSW;hwy N	588	18	
HUNTSVILLE	3.1 S;RR E	610	40h S1	80 oct.
(A) " Arsenal (A)	7 SW;RR NW	677	56h	
North Sauty Base (Scottsboro)	3.2 SSW;RR NNE	610	20 S1	80 oct.
Pryor (Decatur)	4 NNE;hwy W	588	46 S4	80,91 oct.

GEORGIA

Cedartown	1 W;road S	850	25 S4	80 oct. Pole lines N,W; hill SW.
Clevenger's Airpark (Marietta)	5 NE;RR W	1080	14 S4	Ltd 80 oct. No storage.
†Dalton	5.7 ESE	700	22 S1	80 oct.
Felton (Cartersville)	2.5 N	790	23	Hills S,W,N; wires E,W.
Jasper	1 N;RR W	1935	17 S2	80 oct.
La Fayette-Trion (Trion)	3 NNE;RR W	722	21 S1	80 oct. Hwy E.
Rockmart	2 ENE;RR W	800	20 S1	80 oct. Pole line W.
Rome	3 NW;RR S	669	25 S6	80 oct. No storage.
(P) Russell (Rome)	7 N;hwy W	644	45b	

KENTUCKY

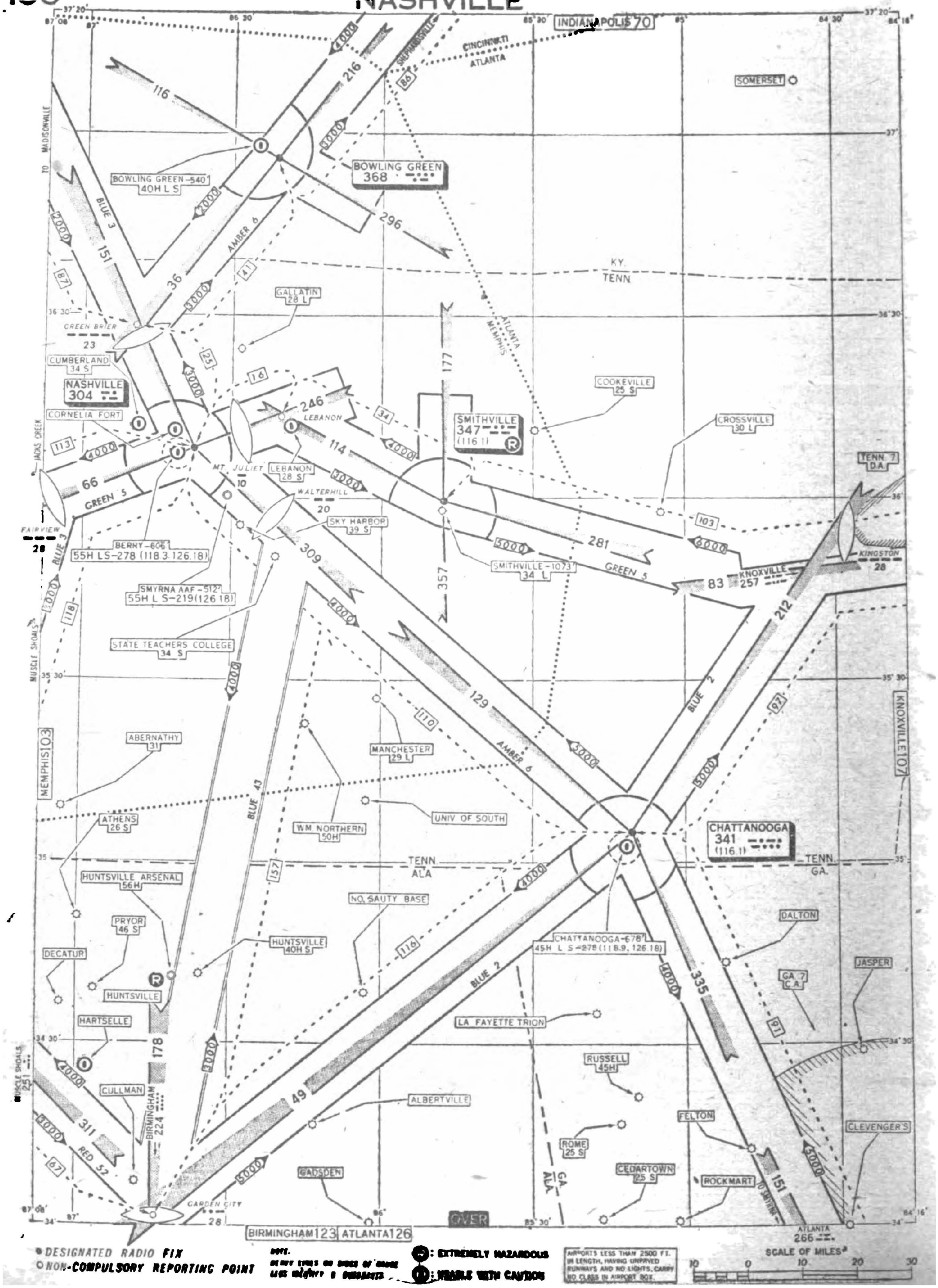
(P) Bowling Green	2.5 SSE;hwy W	540	40h R1 L5 S4	80,91 oct.No sto.Fld lgts prior req.
Somerset	5 N; RR W		20 S2	80 oct. Data not verified.

TENNESSEE

Abernathy (Pulaski)	3.6 SSW;hwy NE	650	31 S1	80 oct. Trees E.
(P) BERRY (Nashville)	6 SE;hwy S	606	55h R3 L6 S6	73,100 oct.
Boyd (McMinnville)(NC)	4.6 SW;RR N	1000	20	
CHATTANOOGA	5.5 E;RR E	678	45h R2 L5 S6	80,91 oct.
Cookeville	1.5 NNE;RR N	1050	25 S4	80 oct. Sto in emerg. Poles W.
Cornelia Fort (Nashville)	4 ENE;riv E	420	30 S6	80 oct. Data not verified.
Crossville,9,NA-WA	3.3 WNW;hwy S	1862	30 L3	
Cumberland (Nashville)	3 NNW;riv N	400	34 S6	80 oct. No storage.
★ Gallatin Int,66,DL-LV	1.5 NW;hwy NE	557	28 L3	
Lebanon	1.8 SW;hwy E	522	28 S6	73 oct. No storage.
★ Manchester Int,16A,AG-NA	4.5 ESE;hwy SW	1090	29 L3	53' trees. W,N.
Sky Harbor (Murfreesboro)	7.3 NW;hwy SW	560	39 S6	73 oct. No storage. Poles NE.
★ Smithville Int,5,NA-WA	1 E;road S	1073	34 R1 L3	
(A) Smyrna AAF (Nashville)(A)	17 SE;RR SW	512	55h R3 L5 S6	73,91,100 oct. JP-1. No rng.
State Teachers College(Murfreesboro)	2 E;hwy N	600	34 S4	80 oct. No stomage. Poles N.
University of South (Cowan)	1.8 WNW;RR NE	870	23 S2	80 oct.
William Northern (Tullahoma)	2 WNW;road S	1081	50h	

b-hard surfaced runways. R-radio facilities, L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

NASHVILLE


INDIANAPOLIS 70
CINCINNATI
ATLANTA
SHEPHERDSVILLE
SOMERSET
BOWLING GREEN 368
BOWLING GREEN -540
40H L S
BLUE 3
AMBER 6
GREEN 5
116
216
296
151
36
TO MADISONVILLE
KY.
TENN.
GALLATIN
28 L
GREEN BRIER
23
CUMBERLAND
34 S
NASHVILLE
304
CORNELIA FORT
JACKS CREEK
113
66
FAIRVIEW
28
BERRY-606
55H LS-278 (118.3.126.18)
SMYRNA AAF-512'
55H L S-219(126.18)
STATE TEACHERS COLLEGE
34 S
MUSCLE SHOALS
118
MT. JULIET
10
LEBANON
28 S
LEBANON
246
114
WALTERHILL
20
SKY HARBOR
39 S
309
SMITHVILLE
347
(116.1)
SMITHVILLE-1073'
34 L
357
177
ATLANTA
MEMPHIS
COOKEVILLE
25 S
CROSSVILLE
30 L
281
103
83
KNOXVILLE
257
KINGSTON
28
TENN 7
D.A.
212
129
110
MANCHESTER
29 L
ABERNATHY
31
MEMPHIS 103
ATHENS
26 S
BLUE 43
WM. NORTHERN
50H
UNIV OF SOUTH
TENN.
ALA
157
HUNTSVILLE ARSENAL
56H
PRYOR
46 S
DECATUR
HUNTSVILLE
40H S
HUNTSVILLE
HARTSELLE
178
NO. SAUTY BASE
116
CHATTANOOGA
341
(116.1)
CHATTANOOGA-678'
45H L S-278 (118.9, 126.18)
DALTON
JASPER
GA. 7
C.A.
97
91
KNOXVILLE 107
TENN.
GA.
LA FAYETTE TRION
RUSSELL
45H
ALBERTVILLE
ROME
25 S
FELTON
CLEVENGER'S
CULLMAN
BIRMINGHAM
224
311
RED 52
GADSDEN
CEDARTOWN
25 S
ROCKMART
151
TO SMYRNA
GARDEN CITY
28
BIRMINGHAM 123
ATLANTA 126
OVER
ATLANTA
266
SCALE OF MILES
10 0 10 20 30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

KNOXVILLE

ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA

COLUMBUS 71

PAYNESVILLE 356

JODY 25 S

RICHLANDS

POWELL VALLEY 25 S

MIDDLESBORO 26 S

TRI-CITY-1518 45H L S

CHILHOWIE 34 L S

TRI-CITY 221 (116.1)

MORRISTOWN

PIEDMONT 28

ISLAND 35 S

TENN 7 DA

KNOXVILLE-955 SOH L S-278 (118.7, 126.18)

278 KC. LOW POWERED RANGE ON REQ.

KNOXVILLE 257 (116.1)

JOSEPHSON

BLACK MT

CHARLOTTE 110

MORGANTON

FRANCIS MARION

MORGANTON LENOIR

ASHEVILLE HENDERSONVILLE 40H L S

SYLVA 28

RUTHERFORD

HICKORY

FRANKLIN

GREENVILLE 281 (116.1)

PARIS MT

GREENVILLE-1015 42H L S

LE TOURNEAU 30 L S

GREENVILLE AAB-942 55H L S-272 (126.18)

SPARTANBURG 248

44H L S-317 (118.7, 126.18)

BARNSDALL 30 S

RIVERBEND

GAINESVILLE 40H

CRAWFORD W. LONG 27 S

ANDERSON 236 (116.1)

On request

ANDERSON-783 SOH L S

WINDER 30 L S

ALLEN

ELBERTON

BENTLEY

GREENWOOD

ATLANTA 126 SAVANNAH 131

TO CHARLESTON

TO BOOKSVILLE

TO CHARLOTTE

TO BOLD SPRING

● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE:

SCALE OF MILES

10 0 10 20 30

RADIO

SOUTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANDERSON	236 (AS)(116.1)	MHVT	(4); 116.1
GREENVILLE	281 (GC)(116.1)	BMLZ-VDT, 2°, 2	(4); 116.1
→ Greenville AAB	272 (126.18)+	CA	(3); 126.18
MEMORIAL AIRPORT (Spartanburg)	317 (126.18) (118.7)	C	(4);118.7,126.18,131.9
SPARTANBURG (Memorial Arpt)	248 (SU)	SBRAZ-DT,58°,1.6	(3)

TENNESSEE

KNOXVILLE	257 (KX)(116.1)	SBRAZ-VDT	(3); 116.1
Knoxville Airport	278 (126.18) (116.7)	C(ILS); 192°, 2.8	(4); 118.7, 126.18, 131.9
Knoxville Airport	278	(Low powered range)	(4)(on req.)
PIEDMONT FM	(- -)	FM, 66°, 28	Knoxville
TALLASSEE FM	(- - -)	FM, 192°, 23	Knoxville
TRI-CITY	221 (TI)(116.1)	SBMRAZ-VDT,252°, 3.3	(4), 116.1

VIRGINIA

CHILHOWIE FM	(-)	FM, 65°, 43	Tri City, Tenn.

WEST VIRGINIA

PAYNESVILLE	356 (IR)	H	Operated by P.C.A.(6-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Knoxville, Tenn.	110.3	335	40°Mag.	IM-	MM- - - - 0.6	OM- - - 4.5
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88 140.58 mcs.

AIRPORTS

GEORGIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen (Buford)	1.5 S,hwy SW	1070	15 S1	80 oct. Pole line SW.
Crawford W. Long (Jefferson)	2.5 S,RR E	950	27 L1 S1	80 oct. Pole line SE.
Elberton	2 SE,hwy W,N	710	16 S1	80 oct. Obst sur fld.
→ (N) Gainesville (N)	1.5 S,RR E,NW	1277	40h	C-L-O-S-E-D.
Le Tourneau (Toccoa)	2.5 NE,RR S	950	30 L3 S4	80, 91 oct.
Riverbend(Gainesville)	4.5 N, in bend of river	1200	17 S1	80 oct.Steep grade NNW end.
★ Winder Int,4,AG-LG	1.5 NE,bet rds	950	30 L3	Trees, bldg N.

KENTUCKY

Jody (London)	3 S,hwy E	1240	25 S2	80 oct.
Middlesboro	1.2 W,hwy S	1150	26 S4	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111)(NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ASHEVILLE-HENDERSONVILLE (Ashev'l)	11.5 SSE,RR W	2090	40h L5 S4	73, 80, 91, 100 oct.
Black Mountain	1.8 SW,RR N	2270	15 S1	80 oct. Soft.
Byers (Shelby)	3 SE,RR SW	875	16 S4	80 oct.
Francis Marion (Marion)	2.5 NE,RR NE	1450	19 S4	80,91 oct.
Franklin	1.2 ESE,riv W	1996	23 S2	80 oct.
Hendersonville	1.5 ESE,hwy SW	2200	30 S6	80, 91 oct.
Josephson (Asheville)	3 W,riv E	2200	20 S1	Ltd 80 oct. Trees NW,SE.
Morganton	2 NW,riv E	1024	16 S2	80 oct.
Morganton-Lenoir (Morganton)	7.5 NE,hwy W	1253	33 S2	80,91 oct.
Rutherford(Spindale)	1.5 SSE,RR N	1012	17 S2	80 oct.
Sylva	2.4 NE,riv SW	2039	25 S2	No fuel.
West Jefferson	2 SSW,RR NNE	3200	16 S2	80 oct.

SOUTH CAROLINA

Anderson	4.5 WSW,hwy S	783	50h R1 L5 S6	80, 91 oct.
Barksdale (Laurens)	2.8 E,RR NE	700	30 L3 S6	73 oct. Port rnwy lgts.Pole line NE
Bentley (Calhoun Falls)	3 ENE,RR NNW	500	16	
Chesnee (NC)	2 S,RR W	910	18	PRIVATE.
Coronaca (Greenwood)	3.8 N,RR E	629	50h	
Fairforest (Spartanburg)	5.8 WNW,rd W	830	23 S6	80 oct.
(N) GREENVILLE	3.2 E,RR SE	1015	42h R1 L5 S6	80 oct.
(A) Greenville AAB (A)	7.5 SSE,hwy W	942	55h R1 L5 S6	73, 91, 100 oct. No sto.
Greenwood	2.6 W,RR E	650	24 S6	73 oct.
(N,P) MEMORIAL (Spartanburg)	2.5 SW,hwy SE	804	44h R2 L5 S6	80, 91 oct. 100 oct. for military.
Paris Mountain (Greenville)	4.2 NNW,RR E	1006	21 S6	80 oct. Pwr line NW.

TENNESSEE

Island (Knoxville)	2.5 E	830	35 S4	80 oct. No sto.
(P) Knoxville Mun.-McGhee-Tyson (Knoxville)	12 SSW,hwy E	988	50h R3 L5 S6	91, 100 oct.
Morristown	5.7 ENE	1400	19 S1	73 oct.
TRI-CITY	11.8 NNW Johnson City	1518	45h R1 L5 S6	80, 91 oct. 10.2 ESE Kingsport.

VIRGINIA

★ Chilhowie Int,29B,NA-WA	3.9 SE,riv N	2100	34 L3 S4	80 oct. Pole lines SW,NE.Riv SW.
Powell Valley (Big Stone Gap)	4 ESE,hwy NW	1700	25 S4	80 oct.Pole line ENE,hills W.
Richlands	2.7 WSW,RR N	1950	20 S2	80 oct.

RADIO — NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-VDT,359°, 1.7	(3); 116.1
DOUGLAS ARPT. (Charlotte)	396(126.18, 118.9)	C	(4); 126.18,118.9,131.9, others on req.
GREENSBORO	365(GW)(116.1)	SBRAZ-VDT	(3); 116.1
Greensboro-High Point Airport	219(126.18, 118.7)	C; 241°, 1.5	(4); 118.7,126.18,131.9
POPE (Ft. Bragg) (Army)	338(DOP) (116.1)	SBMRAZ-V	(3); 116.1
→ Pope Field	396(126.18, 116.1)+	CA(ILS);355°,2.5	(3); 116.1,126.18
RALEIGH (Raleigh-Durham Arpt.)	350(DU)(116.1)	SBRAZ-VDT(ILS) 299°, 3.8	(4); 116.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18, 118.3)	C	(4); 126.18,118.3,131.9
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	MRLWZ;328°, 5.1	

SOUTH CAROLINA

FLORENCE	239 (FL)(116.1)	SBMRLZ-VDT, 292°,1.7	(4); 116.1

VIRGINIA

DANVILLE	344(VE)(116.1)	MHVT	(4); 116.1
→ PRESTON GLENN (Lynchburg)	248 (118.7)	C	(4)
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-VDT, 247°, 2.1	(4); 116.1
ROANOKE (Woodrum Field)	317(RO)(116.1)	SBRAZ-VDT, 349°,2	(3); 116.1
WOODRUM FIELD (Roanoke)	278 (118.5)	C	(4); 131.9,118.5,126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Pope, N C	110.3	335	360° Mag.	IM- (.04)	MM- ·····(4.00)	OM- (4.18)
					MMK-	OMK-
Raleigh, N.C.	109.9	333.8	50° Mag.	IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MNK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column indicate VHF Voice → • Army AC S- transmits on and guards 116 1 137 88- 140 58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W,RR N	450	25	Obsts sur fld.
Asheboro	1.8 SSW	864	18 S2	80 oct. Hwy NW.
(A)Balloon (Ft.Bragg)(A)	1 NNW,RR E	225	22	Closed to all acft.
Belmont	1.3 NE,riv E	740	20 S6	80 oct. No sto. P-line WNW
Bridges(Kings Mtn.)	1 SW,RR SE	930	17 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW, RR E	800	22 S6	80 oct. Pole line SSE.
Brooks(Red Springs)	1.2 N,RR SE	208	26	
(P)Burlington	4 SW,hwy W	638	28 S6	80 oct. Pole line S.
Burris(Lincolnton)(NC)	2.2 SW,RR SE	960	10	UNUSABLE.
Camp MacKall (Hoffman)	3.5 E	350	50h	
Candor (NC)	1.1 E,RR N	710	19	Pole line WNW.
Cannon (Charlotte)	3 WNW,hwy S	788	24 L S6	80,91 oct. Flood lgts rqr.
Carolina Arpk Inc. (Kannapolis)	3.1 SSE,RR W	730	19 S2	No fuel.
Caswell (Yanceyville)	3.7 S,hwy W	640	20 L S1	80 oct. Flare pots prior req.
Coley (Concord)	2 SW,RR E	790	12 S1	80 oct. Trees ESE.
Colonial Flying Svc. (Mt. Airy)	1.4 NNE,RR S	950	15 S1	80 oct. Pole line, trees NNW.
Concord	4.5 ESE, rd F S	700	19 S2	80 oct. Pole line NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delta Air Base (Charlotte)	6.7 E,hwy S	750	31 S6	80,91 oct. No sto. Poles NW
(A)DOUGLAS(Charlotte)	5,5 W,RR N	745	52h R2 L5 S6	80,91 oct; ltd 91 oct Army.
→ Durham Airways	7.8 N,RR E	310	14 S1	80 oct. No Army maint
Elkin	2.8 SW,RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Erwin	1 SW,riv SW	195	30 S1	80 oct. Pwr line S.
Fairchild-Civil (Burlington)	1.5 E,RR S	640	35h	
Fayetteville	5 N,hwy E	238	36 L1 S6	80 oct. Pwr line E.
Fraley (High Point)	2.5 SSE,RR W	1000	17 S6	80 oct. Strips rough. Trees SE.
Gastonia	1.3 SW	795	16h S4	80 oct. Pwr line SSW.
→ Gastonia, mun.	4.5 SSE,hwy SW	800	30h L	Port rnwy lgts.
→ Gilmore No. 1(Julian)	0.6 SE,RR N	760	10 S1	80 oct.
→ Gilmore No.2 (Silver City)	4.1 SE,RR W	550	22	Pwr line SSE.
(A)GREENSBORO-HIGH POINT	8 WNW,RR SW	905	40h R2 L5 S6	80,91,100 oct.
Hickory	2.2 W,RR S	1180	40h S6	80,91 oct.
→ Hogan (Chapel Hill)	3.8 NW,RR E	530	20 S2	80 oct. Trees SSE.
Horace Williams (Chapel Hill)	1.3 NNW,RR W	502	49 S4	80 oct.
Kannapolis	2.8 N,RR E	750	23 S6	80 oct. Trees WNW.
Kings Mountain	3.5 SW,RR SE	980	23 S2	80,91 oct.
Knollwood (Pinehurst)	5 NE,hwy W	455	53 L5 S4	80,91 oct.
Laurinburg-Maxton (Maxton)	3.5 N,riv E	220	65h	
Lee County (Sanford)	1.5 SE,RR E	400	19 S4	80 oct. No sto. Pwr line sur fld.
→ Lexington	2.3 SW,RR E	735	21 S1	80 oct. Pole lines SSW.
Lillington	1.1 NNE,RR S	210	15 S2	80 oct. Pole line NW.
(P)Lumberton	3 WSW	126	50h L2 S6	80,91 oct. Hwy NNW.
McLean Brothers (Gibsonville)	0.5 SW,hwy NE	723	18 S6	80 oct.
Mayo (Mayodan)	0.8 W,riv E	900	24 S1	80 oct.
Mocksville	2 W,RR E	800	14 S2	80 oct.
Monroe, com.	2.8 SSE	600	20 S2	80 oct.
Monroe, mun.	2 NNW,hwy S	680	20 S1	80 oct. Trees NW.
→ Mt. Airy	2.2 SW,RR E	1050	20 S2	80 oct.
Newton-Conover (Newton)	1.5 NNW, hwy E.		16 S6	80 oct. Data unver.
North Wilkesboro	1.3 WSW,riv S	970	15 S4	80 oct.
Parkers (Eagle Spgs)	1.8 NW,RR S	700	40 S1	80 oct.
Pharis (Durham)	8.1 NE,RR E	310	26 S4	80,91 oct. Pole line, trees NE,WNW.
→ Pine Acres (Laurinburg)	3.1 SW,RR NNE	205	12 S1	80 oct.
Plaza (Charlotte)	5 NE,RR N	740	20 S6	80 oct.
(A)Pope (Ft.Bragg)(A)	2 NW,riv NW	210	52h R3 L5 S6	73,91,100 oct.
Raleigh	3.3 SSW,RRW	364	28h S6	80,91 oct.
RALEIGH-DURHAM (Raleigh)	10.5 NW,RR W	433	45h R3 L6 S4	80,91 oct. No twr.
Reidsville	3.2 SE,riv S	822	25 S6	80 oct.
(P)Rockingham-Hamlet	3.5 S,RR E	358	46 S2	80 oct.
Routh (Greensboro)	3.3 S,RR E	840	18 S4	80 oct. Trees NE,W.Hwy E.
Roxboro	7 NE,RR W	600	18 S1	80 oct.
Salisbury	3 SW,RR E	764	25 L2 S6	73 oct.
Skyline (Southern Pines)	4.5 NE,RR NW	460	21 S4	80 oct. No sto. Pwr line S.
(P)SMITH-REYNOLDS (Winston-Salem)	2.8 NNE,RR W	969	67h R2 L5 S6	80,91 oct. Rnwy data unver.
Spindle City (Gastonia)	3.2 E,RR N	795	19 S2	80 oct.
Stanly (Albermarle)	6 WNW,hwy S	720	16 S1	80 oct.
Statesville	4.5 WSW	990	27 S2	80 oct. Trees N. RR SE.
→ Thomasville	3.5 ESE,	860	14 S2	No fuel. RR NE.
Tri-City (Draper)	1.2 W,riv W	560	26 S2	80 oct.
→ Upchurch(Raeford)	0.5 NNE	255	15 S2	80 oct. RR SSW.
Wadesboro	3.7 NNE	220	18 S4	80,91 oct. RR S
Warf((Reidsville)	3.8 SW,hwy W	820	23 S2	80 oct. Trees N,S.
Whiteville	3.7 S,RR N	60	18 S1	Ltd 80 oct.
Young Airfield (Oxford)	1.8 SW,RR NW	475	18 S1	Ltd 80 oct.

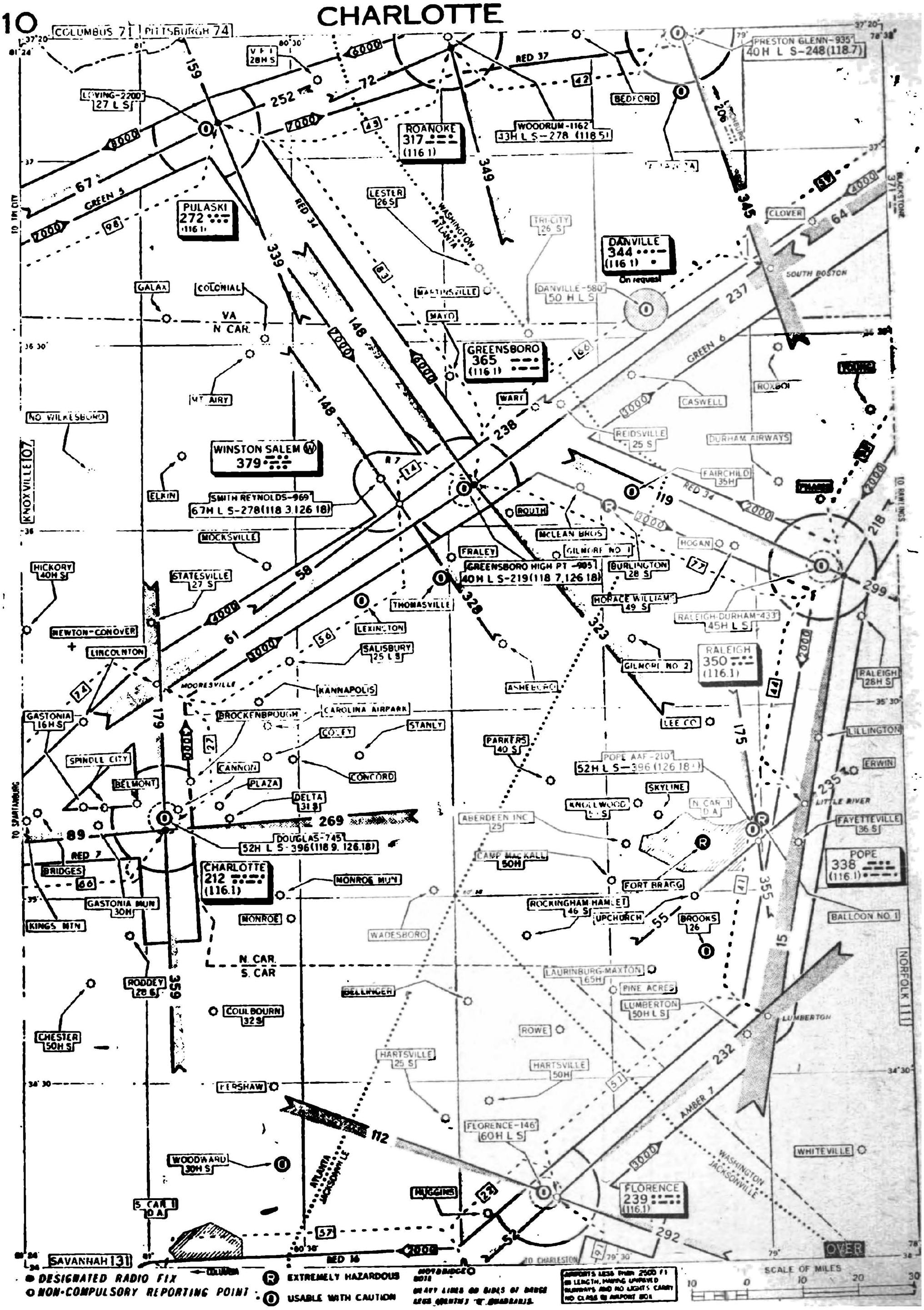
SOUTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Chester	5 NNE,RR W	709	50h S4	80 oct. No sto.
Coulbourn (Lancaster)	1 SSW,hwy SW	560	32 S4	80 oct.
Florence	3.5 E,RR SW	146	60h R1 L5 S1	80,91 oct.
Hartsville	2.1 NNE,	230	25 S2	80 oct. Hwy S.
(P)Hartsville (Darlington)	10 N,hwy E	190	50h	
Huggins (Timmonsville)	1.5 ENE, hwy NW	149	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S,RR W	475	21	
Little Rock (NC)	2.5 SE,hwy W	135	22	Poles around fld.
Lynch Bellinger (Cheraw)	4.2 WNW, RR S	400	22 S4	80 oct. No sto. Pole line S, WSW.
Palmer (Bennettsville) (NC)	3.4 NNW, hwy E	155	44	Not maintained as landing field
Roddey (Rock Hill)	2.7 SW,RR NW	664	28 S4	80,91 oct. Pole line S.
Rowe (Bennettsville)	1.5 NE	190	29 S5	80,91 oct. Trees SW.
(P)Woodward (Camden)	2.9 NE,hwy E	300	30h S4	80 oct.

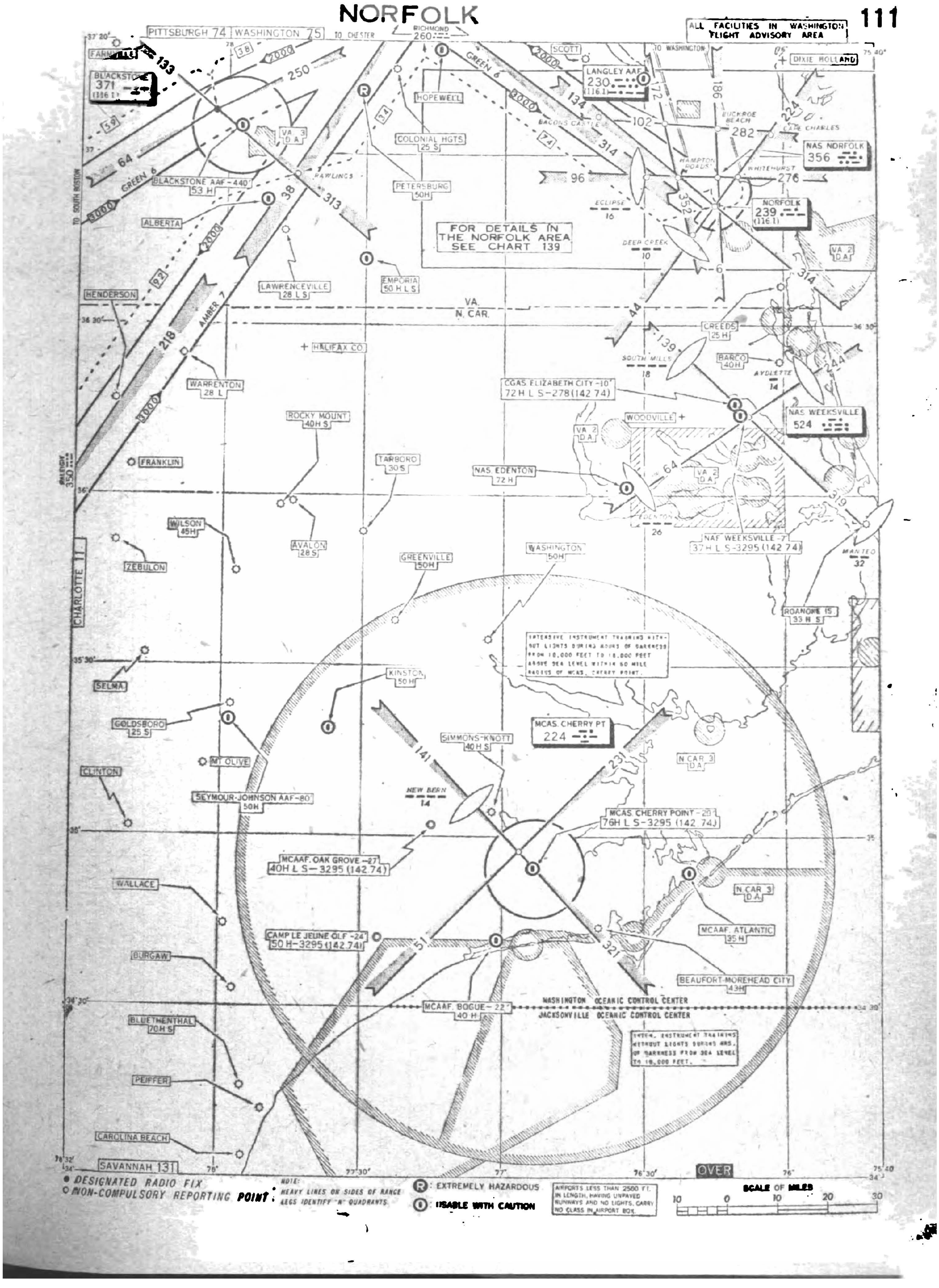
VIRGINIA

Altavista	6.1 NE,RR S	650	18 S1	80 oct. Trees SW
Bedford	1.3 WSW,	1050	16	PRIVATE. RR N
Clover	3.5 SSW, riv E	350	20	Trees E,W,SE,NW, House E,SE.
(P)Danville	3.4 ESE	580	50h R1 L5 S6	80,91 oct.
Galax	6.5 S,hwy E	2575	27 S4	80 oct.
Lester (Martinsville)	0.8 NNW, RR NE	1400	26 S2	80 oct. 20-75' bldgs SE.
Loving, 35A, NAWA (Pulaski)	2.8 N,RR SE	2200	27 R1 L3 S4	80 oct. Poles SW. No sto.
Martinsville	3.5 SSE, RR NE	800	16 S2	73 oct.
PRESTON GLENN → (Lynchburg)	6.7 SSW, RR SE	935	40h R2 L5 S6	80, 91 oct
V.P.I. (Blacksburg)	1.3 SSE,RR W	2100	28h L1 S6	73,80 oct. Strip rough.
(P)WOODRUM (Roanoke)	4.2 NNW	1162	43h R2 L5 S6	80,91,100 oct. Rd W.

CHARLOTTE


COLUMBUS 71
PITTSBURGH 74
VPI 28H S
PRESTON GLENN-935
40H L S-248(118.7)
LOVING-2200
27 L S
ROANOKE
317
(116.1)
WOODRUM-1162
33H L S-278 (118.5)
BEDFORD
PULASKI
272
(116.1)
LESTER
26 S
WASHINGTON
ATLANTA
TRI-CITY
26 S
DANVILLE
344
(116.1)
On request
CLOVER
SOUTH BOSTON
DANVILLE-580
50 H L S
GALAX
COLONIAL
VA
N CAR.
MARTINSVILLE
MATO
GREENSBORO
365
(116.1)
MT AIRY
WARF
CASWELL
ROXBORO
NO WILKESBORO
WINSTON SALEM
379
ELKIN
SMITH REYNOLDS-969
67H L S-278(118 3.126 18)
REIDSVILLE
25 S
DURHAM AIRWAYS
FAIRCHILD
35H
MOCKSVILLE
ROUTH
McLEAN BROS
GILMORE NO 1
FRALEY
HICKORY
40H S
STATESVILLE
27 S
GREENSBORO HIGH PT -905
40H L S-219(118 7.126 18)
BURLINGTON
28 S
HOGAN
THOMASVILLE
HORACE WILLIAMS
49 S
LEXINGTON
NEWTON-CONOVER
LINCOLNTON
SALISBURY
25 L S
RALEIGH-DURHAM-433
45H L S
RALEIGH
350
(116.1)
GILMORE NO 2
MOORESVILLE
KANNAPOLIS
ASHEBORO
GASTONIA
16H S
BROCKENBROUGH
CAROLINA AIRPARK
LEE CO
RALEIGH
28H S
COLEY
STANLY
PARKERS
40 S
LILLINGTON
SPINDLE CITY
CANNON
CONCORD
POPE AAF-210
52H L S-396 (126 18)
ERWIN
BELMONT
PLAZA
DELTA
31 S
SKYLINE
KNOLLWOOD
5 S
N CAR 1
DA
ABERDEEN INC
25
LITTLE RIVER
FAYETTEVILLE
36 S
DOUGLAS-745
52H L S-396(118 9. 126.18)
CAMP MACKALL
50H
POPE
338
(116.1)
CHARLOTTE
212
(116.1)
BRIDGES
MONROE MUN
FORT BRAGG
GASTONIA MUN
30H
ROCKINGHAM-HAMLET
46 S
UPCHURCH
BROOKS
26
BALLOON NO 1
KINGS MTN
MONROE
WADESBORO
N. CAR.
S. CAR
LAURINBURG-MAXTON
65H
RODDEY
28 S
BELLINGER
PINE ACRES
LUMBERTON
50H L S
COULBOURN
32 S
ROWE
CHESTER
50H S
HARTSVILLE
25 S
HARTSVILLE
50H
PERSHAW
FLORENCE-146
60H L S
WHITEVILLE
WOODWARD
30H S
FLORENCE
239
(116.1)
HIGGINS
5 CAR 1
DA
SAVANNAH 131
RED 16
OVER
SCALE OF MILES
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION

NORFOLK


PITTSBURGH 74 | WASHINGTON 75
TO CHESTER
RICHMOND 260
ALL FACILITIES IN WASHINGTON FLIGHT ADVISORY AREA
TO WASHINGTON
SCOTT
DIXIE HOLLAND
LANGLEY AAF 230 (116.1)
BLACKSTONE 371 (116.1)
HOPEWELL
COLONIAL HGTS 25 S
PETERSBURG 50H
BLACKSTONE AAF -440' 53 H
ALBERTA
LAWRENCEVILLE 28 L S
EMPORIA 50 H L S
FOR DETAILS IN THE NORFOLK AREA SEE CHART 139
BUCKROE BEACH
CAPE CHARLES
NAS NORFOLK 356
HAMPTON ROADS
WHITEHURST
NORFOLK 239 (116.1)
ECLIPSE 16
DEEP CREEK 10
VA 3 D A
VA 2 D A
HENDERSON
WARRENTON 28 L
VA.
N. CAR.
HALIFAX CO
CREEDS 25 H
SOUTH MILLS 18
BARCO 40H
AYDLETTE 14
CGAS ELIZABETH CITY -10' 72 H L S-278 (142 74)
NAS WEEKSVILLE 524
WOODVILLE
ROCKY MOUNT 40H S
TARBORO 30 S
NAS EDENTON 72 H
FRANKLIN
RALEIGH 350
WILSON 45H
AVALON 28 S
ZEBULON
EDENTON 26
NAF WEEKSVILLE -7 37 H L S-3295 (142 74)
MANTEO 32
GREENVILLE 50H
WASHINGTON 50H
ROANOKE IS 33 H S
CHARLOTTE 11
SELMA
KINSTON 50 H
GOLDSBORO 25 S
MT OLIVE
CLINTON
SEYMOUR-JOHNSON AAF-80' 50H
SIMMONS-KNOTT 40 H S
MCAS. CHERRY PT 224
N CAR 3 D A
NEW BERN 14
MCAS. CHERRY POINT - 20' 76H L S-3295 (142 74)
MCAAF. OAK GROVE -27' 40H L S-3295 (142.74)
WALLACE
CAMP LEJEUNE OLF -24' 50 H-3295 (142.74)
MCAAF. ATLANTIC 35 H
BURGAW
BEAUFORT-MOREHEAD CITY 43H
MCAAF. BOGUE-22' 40 H
WASHINGTON OCEANIC CONTROL CENTER
JACKSONVILLE OCEANIC CONTROL CENTER
BLUETHENTHAL 70H S
PEIFFER
CAROLINA BEACH
SAVANNAH 131
INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 18,000 FEET TO 18,000 FEET ABOVE SEA LEVEL WITHIN 50 MILE RADIUS OF MCAS, CHERRY POINT.
INTENS. INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM SEA LEVEL TO 18,000 FEET.
OVER
SCALE OF MILES
10 0 10 20 30
• DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
AIRPORTS LESS THAN 2560 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

RADIO — NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS OF OPER., REMARKS
ADLETTE FM (Navy)	(-)	FM, 64°, 14	Weeksville NAF
CAMP LE JEUNE OLF (New River)	3295 (142.74)	CN	3105,4495,142.74 (8-1630)
CHERRY POINT (Navy)	224 (NKT)	BMRLZ	(3); 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN, 141°, 4	(3); 142.74
EDENTON FM (Navy)	(- - -)	FM, 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
NEW BERN FM (Navy)	(- - - -)	FM, 321°, 13.6	Cherry Point MCAS
OAK GROVE MCAAF (Polloksville)	3295 (142.74)	CN	3105,142.74 (8-18)
SOUTH MILLS FM (Navy)	**(- - - -)**	**FM, 319°, 17.5**	**Weeksville NAF**
WEEKSVILLE (Navy)	**224 (NFG)**	**MRL**	**500,3105; 142.74 (7-19)**
Weeksville NAF-LTA	**3295 (142.74)**	**CN, 319°, 0.5**	**3105, 142.74 (8-1630)**
WHITE FM (Navy)	**(- -)**	**FM, 159°, 32**	**Weeksville NAF**

RADIO — VIRGINIA

BLACKSTONE (AAF)	371 (KT)(116.1)	BMLZ-VDT,133°,5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM, 276°, 16	Norfolk
LANGLEY FIELD (Army)	230 (DLY)(116.1)	SBMRAPZ-VDT,102°,35	(3); 116.1
NORFOLK	239 (NW)(116.1)	SBMRLZ-VDT,044°,3.4	(3); 116.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ, 276°, 2.9	

S-Simul Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h	
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct.Pld lgts prior req.(Wilmington)
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	INACTIVE.
Burgaw	1.2 W,hwy N,S	30	22 S1	80 oct. Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jacksonville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS	2.5 SW,riv N	29	76h R2 L5 S6	100 oct. (N)
Clinton	2 N, hwy W	160	24 S6	80 oct.Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
(CG) ELIZABETH CITY CGAS (CG)	3.5 SE,riv NE	10	72h R1 L6 S4	91, 100 oct.
Franklin(Louisburg)	2 WSW,hwy S	290	20 S4	80 oct. Hi-line S
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	1.8 NNW	25	50h	
Halifax Co.(Roanoke Rapids)	3 SW,hwy N	140	25 S1	80 oct.Data not verified.
Henderson	3 S,RR W	490	23 S6	80,91 oct.No sto. Pole lines S. Rnwy data not verified.

a-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Jacksonville (NC)	3.7 NE,RR SE	51	14	
(N) Kinston (N)	4.2 NNW	93	50h C-L-O-S-E-D	
Mt. Olive	1.1 NE,RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Polloksville) (N)	2.5 NW,riv S	27	40h R1 L S4	91, 100 oct.
Peiffer(Wilmington)	6 ESE,ocean E	10	18 S1	80 oct.Poleline NNE,trees N,S,SW.
ROCKY MOUNT	2.3 N,RR E	114	40h S3	80 oct. Use rnwys only.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	INACTIVE
SIMMONS-KNOTT	2.5 SSE	19	40h S1	80, 91 oct. (New Bern)
Tarboro	2 ESE,riv NNW	50	30 S6	80 oct. No sto. Pole line NNE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct.No sto
Warrenton Int.46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	1.8 N,hwy W	38	50h	
(N) Weeksville NAF(LTA)	2.2 NE	7	37h R2 L5 S4	91, 100 oct. (N)
(P) Wilson	4.2 NW,hwy E	161	45h	
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct.No sto.Pole line S, SW.Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S1	80 oct.
Roanoke Isl.(Manteo)	1.5 NW,rd NE	12	33h L5 S4	80,91 oct. Lgts on req. Data unverified.

AIRPORTS — VIRGINIA

Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone AAF (A)	2.5 ESE,hwy N	440	53h R1	Closed to all acft. INACTIVE
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW, (NC)
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
Creeds	1.5 E,bay E	10	25h	
Emporia	3 E,hwy S	127	50h L5 S4	80,91 oct. Trees sur fld.
Hopewell	3.3 E,riv N	20	24 S6	80 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317	28 L3 S6	80 oct.
Petersburg	6.2 WSW,RR N	190	50h	
Scott (Williamsburg)	1.3 NNW,RR SW	90	20 S2	80 oct. Pole line SW,WNW.
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29	20-60' trees NE,SW,W (NC)
Dixie Holland (Cape Charles)	1.5 ENE,hwy S		22 S1	80 oct Unverified.
Farmville	2.5 NW,riv N	325	20 S6	80 oct,Hill W.

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALICE	224(EZ)(116.1)	SBRA2-VDT, 72°, 3.6	(4);116.1
→ BROWNSVILLE (International Arpt)	388(JI)(116.1)	SBRA2-VDT, 157°, 2.3	(3);116.1
CABANISS NAAS, (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)
CLIFF MAUS (Corpus Christi)	278(118.3)	C	(4);118.3,126.18,131.9
CORPUS CHRISTI (Cliff Maus Field)	382(CR)(116.1)	SBMRL2-VDT, 138°, 2.9	(3);116.1
Corpus Christi (Navy)	248 (NGP)	MLZ	(3);142.74
Corpus Christi NAS	246 (142.74)	CN;350°, 3.3	(3);142.74
Corpus Christi NAS (Seapl)	2870(142.74)	CN	3105,6210;142.74
CUDDIHY NAAS (Corpus Christi)	(142.74)	CN	3105,142.74(during flight opers.)
GREGORY FM (Navy)	(-)	FM, 350°, 18	Corpus Christi NAS
INTERNATIONAL ARPT (Brownsville)	278 (126.1, 118.7)	C(ILS)	(4);118.7,126.18,131.9.
LAREDO (AAF)	206(LL)(116.1)	SBRA2-VDT, 137°, 3.3	(4);116.1
LOS FRESNOS FM	(- - - -)	FM, 338°, 8.9	Brownsville
MERCEDES FM	(- - - -)	FM, 282°, 29.5	Brownsville
→ PALACIOS	350(UX)(116.1)	BMLZ-VDT, 118°, 1.6	(4);116.1
PLEASANTON FM	(- - -)	FM, 174°, 44.2	San Antonio
RODD NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
INTERNATIONAL, TEXAS	110.3 ---- ..		170° Mag.	IN	MM ..... (.66)	OM - - (4.34)	
					MMK	OMK	

S-Simul Range and Voice, W-Without Voice, Z VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs.
(4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — TEXAS

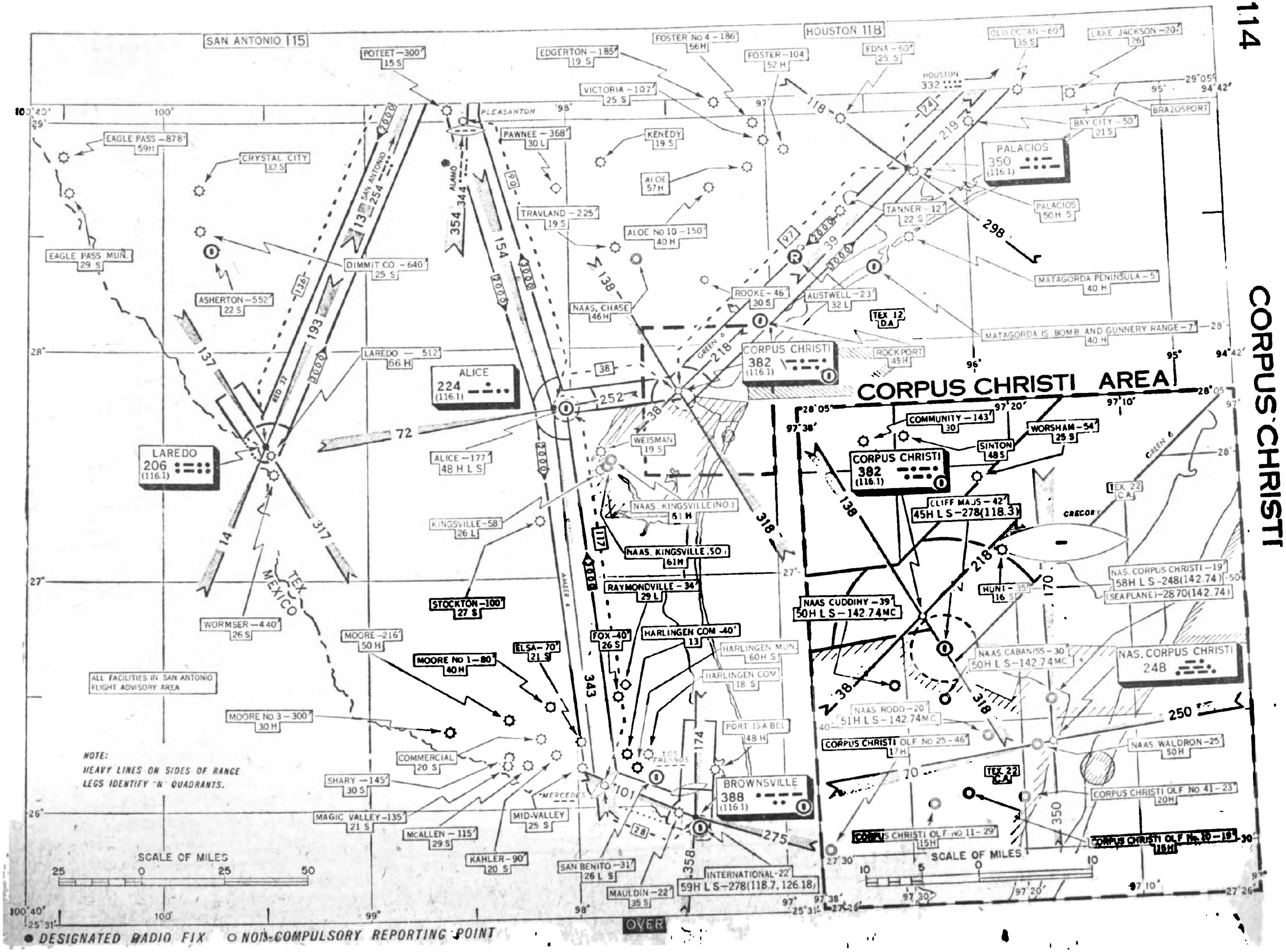
AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Alice	3.3 ESE;RR N	177	46h R1 L5 S6	80,91 oct.
Aloe (Victoria)	6 WSW;RR SE	107	57h	
" #10 (Victoria)	19.8 WSW	150	40h	
Asherton	1 S;RR NE	552	22 S1	80 oct.Poles N;trees sur fld.
* Austwell Int,5A,CR-HU	2.1 SSW;bay NE	23	32 L2	Fence around fld.
Bay City	2 SSW;RR N	50	21 S6	80 oct.No sto.Pole line E.
Brazosport (Velasco)	1 N;hwy SW	6	24 S1	80 oct.Data not verified.
(N) Cabaniss NAAS (Corpus Christi)(N)	6.2 SSW;RR NE	30	50h R1 L5 S4	91 oct.
(N) Chase NAAS (Beeville)(N)	5.6 ESE;rd N	186	46h R1	INACTIVE.
Chupadera Ranch Emerg. Strip (Laredo)(NC)	60 NW	630	33 L1	
(N) CLIFF MAUS (Corpus Christi)	2.5 SW;RR N	42	45h R2 L5 S6	80,91 oct.No storage.
Commercial (Edinburg)	1 W;RR SE	90	20 S1	73 oct.Pole line NW,NNW.
Community (Sinton)	2 W;RR SE	143	30	
(N) Corpus Christi NAS (N)	9.5 SE	19	58h R2 L5 S6	91,100 oct.NATS,NAPC.
(N) " OLP #10 (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLP #11 (N)	16 SSW	29	15h	13 SSW Aberdeen.
(N) " OLP #25 (N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLP #41 (N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City	1.8 N;RR W	600	32 S1	80,91 oct.Pole line NE,NW.
(N) Cuddihy NAAS (Corpus Christi)(N)	7.8 SW;crk S	39	50h R1 L5 S4	91 oct.
Central Valley(Mercedes)	1.5 NE;hwy S	62	31h S6	80,91 oct.Data unverified.

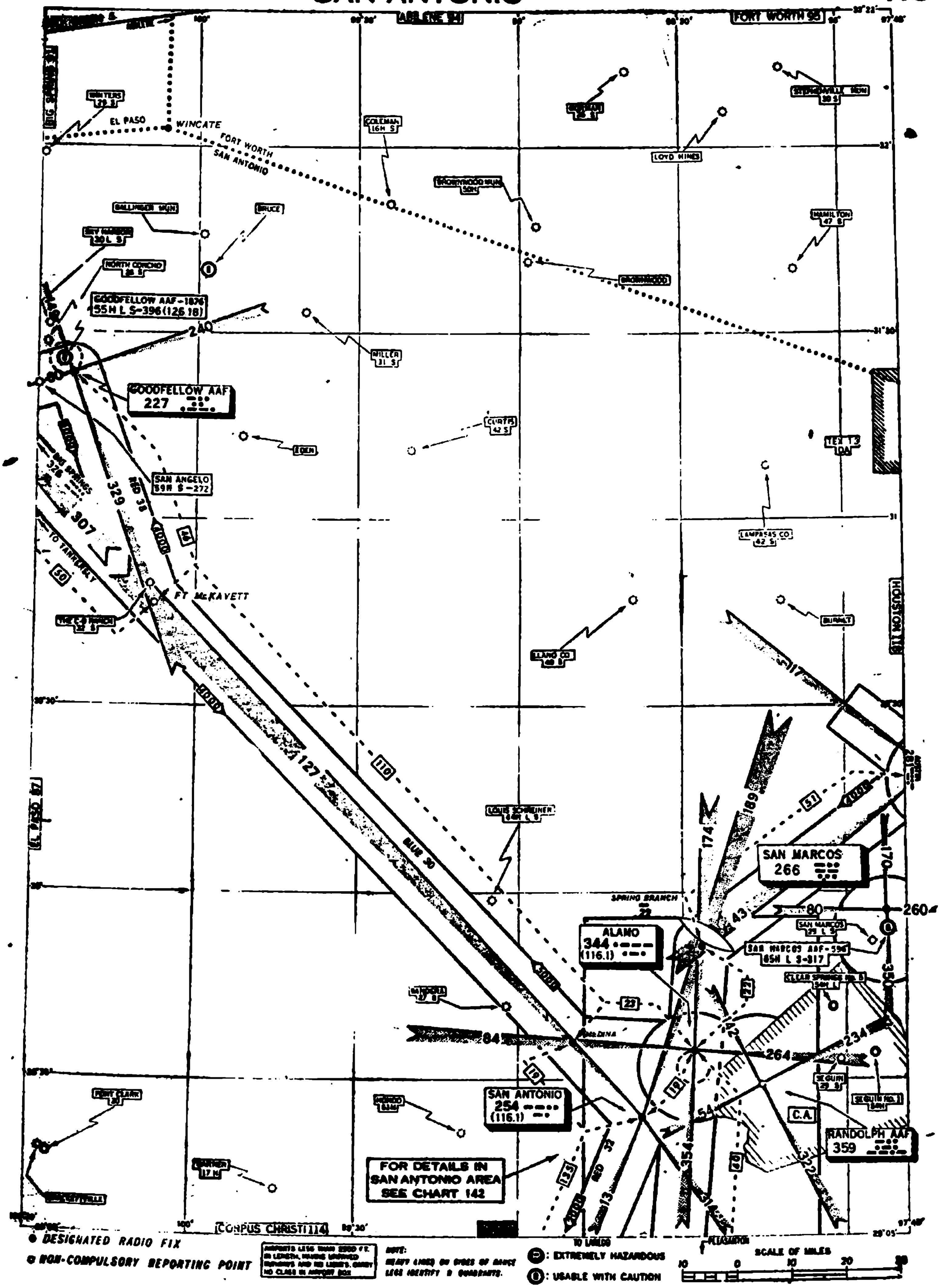
TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dimmit Co.(Carrizo Sprgs)	2.8 E;hwy N	640	25 S1	Ltd 80 oct.Pole line ends strps.
Eagle Pass	10 N;RR N	878	59h	
" mun.	1.3 E;hwy N	774	29 S2	80 oct.ARPT OF ENTRY.
Edgerton (Cuero)	2.9 E;hwy SW.	185	19 S6	80 oct.
Edna	1.5 ENE;RR NW	60	25 S1	73 oct.Live stock on fld.
Elsa	1 SSE;RR N	70	21 S6	73 oct.Crop dusters.
Foster (Victoria)	6.5 NE;RR S	104	52h	
" #4 (Victoria)	12.5 NNW	186	56h	
Fox (Raymondville)	1 WSW;RR S	40	26 S2	73,80 oct.Poles W,SE.
Freer (NC)	3.8 NNW;hwy E	375	28	Trees sur fld.
Harlingen, com.	1.8 SSW;hwy E	41	18 S1	73 oct.
" com.	5 NW;RR SW	40	13	Pole line S.
" mun.	3.5 NE;rd S	35	60h L5 S4	80,91 oct.Lgts prior req.
Hunt (Portland)	2 WNW;RR ESE	35	16 S5	80 oct.
Indianola (Magnolia Beach)	2 SW;hwy N	17	34	PRIVATE.
(P) INTERNATIONAL (Brownsville)	4.5 E;hwy N	22	59h R3 L6 S6	73-100 oct.ARPT OF ENTRY.
Kalher (Alamo)	4 NNE;RR W	90	20 S1	73 oct.Poles sur fld.
Kenedy	1.4 ESE;RR N	270	19 S2	80 oct.
★ Kingsville Int,11,JI-PV	3.5 S;RR W	58	26 L3	
(N) " NAAS (North) (N)	3.5 ESE;hwy NW	47	61h	INACTIVE.
(N) " NAAS (South) (N)	3.5 SE;hwy W,N	51	61h	INACTIVE.
Lake Jackson (Freeport)	9.5 NW;hwy E	20	26	Cattle on fld.Trees SW.
Lake Mathis (Mathis)(NC)	5 WSW;RR SE	161	20	
La Laja (Dolores)(NC)	1.5 NNE;riv SW	475	18	PRIVATE.15-20' brush W,S.
→ LAREDO	3.5 NE;hwy NNE	512	66h R1 L5	B2 lgts for Airlines.
Los Fresnos	0.8 SSE;RR W	35	24 S1	73,80 oct.Pole line W
McAllen	1.6 SSW;hwy N	115	29 S6	73,80 oct.Poles E,NE.
Magic Valley (Mission)	1.5 SSW;lake W	135	21 S6	73 oct.No sto.Poles E.
(A) Matagorda Island (A)		?	40h	9 SSW Port O'Conner.INACTIVE.
Matagorda-Peninsula (Matagorda)	6.5 E Port O' Conner	5	40h	
Mauldin (Brownsville)	4.4 NNW;RR W	22	35 S6	80,91 oct.Poles W.
Mid-Valley (Weslaco)	1.7 NE;RR W	70	25 S1	80 oct.Pole line NW,SW.
Moore (Mission)	12 N;RR E	216	50h	
" #1 (Mission)	10 N Edinburg	80	40h	
" #3 (Mission)	5 N LaGrulla	300	30h	
Old Ocean	1 ENE;hwy N	60	35 S1	80 oct.Cattle on fld.
Palacios	2.7 WNW	13	50h R1 S1	80 oct.
* Pawnee Int,22,JI-FV	5 WNW;RR W	368	30 L3	
Poteet	0.6 SW;RR E	300	13 S2	73 oct.
* Raymondville Int,5,JI-FV	3.5 NNE;RR W	34	29 L3	
(P) Rockport	4.3 N;bay W	23	45h	
(N) Rodd NAAS (Corpus Christi)(N)	9.8 S;RR NE	20	51h R1 L5 S4	91 oct.No storage.
Rooke (Refugio)	3.2 WSW;RR E	46	30 S1	73 oct.Cattle on fld.Twr NW.
San Benito,2,JI-FV	1.5 E;RR SW	31	26 L3 S6	73,80 oct.
Shary (Mission)	1 NW;RR E	145	30 S4	73,80 oct.
Sinton	1.3 E;RR NW	27	48 S6	80,91 oct.No storage.
Stockton (Falfurrias)	2 NW;RR E	100	27 S1	80 oct.Lake SW.
Tanner Sea & Land Plane Base (Port Lavaca)	3 S;hwy S	12	22 S1	80 oct.Pwr line sur fld.
Travland (Beeville)	2 NW;RR E	225	19 S2	80 oct.Poles E.
Victoria	5.5 N;hwy SW	107	25 S6	80 oct.
(N) Waldron NAAS (Corpus Christi) (N)	12 SSE;hwy NNE	25	50h	INACTIVE.
Weisman (Kingsville)	2.5 NNE;RR S	60	19 S4	Ltd 80 oct.Poleline S,SW,SE.
Wormser (Laredo)	4 SE;hwy W	440	26 S1	80,91 oct.
Worsham (Taft)	0.8 ENE;hwy SW	54	25 S6	80 oct.
Port Isabel	10 NW	12	49h	

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

CORPUS CHRISTI




ABILENE 91
FORT WORTH 95
WINTERS 29 S
EL PASO
WINCATE
FORT WORTH
SAN ANTONIO
COLEMAN 16M S
LOYD HINES
BALLINGER 14M N
BRUCE
SEV RIVERS 30 L S
NORTH CONCHO 28 S
GOODFELLOW AAF-1876
55 H L S-396 (126 18)
MILLER 31 S
GOODFELLOW AAF
227
CURTIS 42 S
EDEN
SAN ANGELO
89 H S-272
BIG SPRINGS 32 S
329
277
301
TO TAHOKA
FT McKAVETT
HOOD 22 S
LAMPASAS CO 42 S
TEX I S
DA
HAMILTON 47 S
BURNET
HOUSTON 165
127
110
LOUIS SCHRIENER
BLUE 30
LLANO CO
SAN MARCOS
266
SPRING BRANCH
ALAMO
344
(116.1)
SAN MARCOS ARF-596
65H L S-817
CLEAR SPRINGS NO. 2
SAN L
SEGUIN 29 S
SEGUIN NO. 1
C.A.
RANDOLPH AAF
359
SAN ANTONIO
254
(116.1)
FOR DETAILS IN SAN ANTONIO AREA SEE CHART 142
CORPUS CHRISTI 114
10 LAREDO
PLEASANTON
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
◎ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF AIRWAY LEGS IDENTIFY B BOUNDARIES.
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMO (San Antonio)	344(JR)(116.1)	MLZ-VDT; 174°,2.7	(3); 116.1
GOODFELLOW (San Angelo) (Army)	227 (DIP)	BMRLZ	(3)
Goodfellow Field	396 (126.18)+	CA; 329°, 2.5	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMRLZ	(3)
SAN ANTONIO (Kelly)	254(ZN)(116.1)	SBRAZ-VD.107°,1.8	(4); 116.1
SAN MARCOS (Army)	266 (DMS)	MRLZ	V 6-18 Mon thru Fri.
San Marcos AAF	317	CA; 170°, 4.2	(3); 266 (days only)
SPRING BRANCH FM	(-)	FM, 354°, 21.6	Alamo
SAN ANGELO ARPT	272	CI	(4)(12 Noon-1 hr after sunset)

S-Simul Range and Voice, W Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116.1, 137.88, 140 58 mcs

AIRPORTS — TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Ballinger	2.5 NW;RR E	1710	20 S1	80 oct.Pole line SSW,SSE.
Bandera	3 SE;hwy NNE	1125	27 S6	80 oct.Trees E.
Brackettville	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Brownwood	1 S;hwy W	1310	22	Poles SE,ESE,E.
" mun.	6.3 NNE;RR S	1386	50h	
Bruce (Ballinger)	4.5 SSW;RR NW	1731	23h	Allway: 7497 x 5280'.
Burnet	2 NE;RR W	1325	21 S1	80 oct.Pole line SW.
C-B Ranch (Ft.McKavett)	1.5 W;rd S	2150	32 S1	80 oct.Livestock on fld.
(A) Clear Springs #5 (New Braunfels) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Coleman	1.7 NE;RR S	1685	16h S6	80,91 oct.Use rnwys only.
Comanche (NC)	1.7 NNW;hwy SW	1500	14	
Curtis (Brady)	3 N;hwy SE	1830	42 S1	Ltd fuel.
Eden	1 NW;hwy E	2050	15 S1	73 oct.Trees NE,SW.
(A) Fort Clark(Brackettville)	1.5 SW;rd E	1105	30	(A)
Garner (Uvalde)	2.7 E;hwy N	930	17h S1	80 oct.
(A) Goodfellow (San Angelo)(A)	3 SE;ros N,W	1876	55h R2 L5 S6	73,91,100 oct.JP-1.
Gorman	1 S;RR NE	1400	26 S2	80 oct.Poles NNE.
Hamilton	2.3 SSW;hwy E	1250	47 S6	80 oct.Fence sur fld.
Hondo	2.1 NW;RR S	929	61h	
Lampasas Co. (Lampasas)	6 NW;RR S	1480	42 S2	80 oct.
Llano County (Llano)	2.4 NNE;riv NE	1029	40 S1	73 oct.
(P) Louis Schreiner(Kerrville)	3.9 SE;RR SW	1590	44h L5 S6	80 oct.
Loyd Hines (Dublin)	1.3 NW;RR SW	1260	18 S1	73 oct.Poles NW,SW,SE.
Mason County (NC)	3.2 ESE;hwy N	1500	44	
Miller (Leaday)	1 S;riv W	1525	31 S6	73 oct.No storage.
North Concho (San Angelo)	1.7 WNW;RR E	1850	28 S4	80 oct.Poles sur fld.
Riomedina (Castroville)	4.5 N;riv W	855	45	(NC)
SAN ANGELO	8.5 SSW;rd NW	1901	59h R1 L5 S6	80,91 oct.
(A) San Marcos AAP (A)	5 E;riv W	596	65h R2 L5	
★ " Int,31B,JI-FV	2 SE;hwy N	577	29 L3 S6	73,80 oct.Pole line NE.
Schneider (Seguin)(NC)	2.2 WNW;RR N	520	23	Pole line N.
Seguin	3.3 WSW;riv E	400	29 S1	73,80 oct.Pole line NW.
(A) " #1 (A)	3 E;rd N	530	54h	
Sherril (Rock Springs)(NC)	4 W;hwy S	2400	21	Cattle on fld. Pole line W,NW.
Sky Harbor (San Angelo)	4.6 NNW;RR SW	1840	30 L3 S4	80,91 oct.After 2100 lgts on req.
South Coleman (Coleman)	1 S;hwy NW	1710	21	Closed - not maintained.(NC)
Stephenville	1.5 E;hwy S	1310	30 L S6	80 oct, Port rnwy lgts.
White (Brady) (NC)	10 W;RR N	1550	73	
Winters	2 NW;RR E	1860	29 S1	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities S-servicing.(See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCOLA FM	(- - -)	FM, 296°, 15	Houston
AUSTIN (Robert Mueller Arpt)	281(XN)(116.1)	SBMRLZ-VDT,117°,2	(3); 116.1
→ BERGSTROM FIELD (Austin)	396 (126.18)+	CA	(4); 126.18
HOUSTON	332(HU)(116.1)	SBRAZ-VDT	(3); 116.1
→ Houston Airport	278 (126.18) (118.5)	AC; 309°, 2.2	(4); 131.9,126.18,118.5
HOUSTON LFM	(- - - -)	LFM, 309°, 5.5	Houston
→ NAVASOTA (Int)	212(NT)(116.1)	BMRL-VDT,180°,1.4	(4);116.1
RICHMOND	391 (UT)	MRLW	
ROBERT MUELLER ARPT. (Austin)	272 (118.7)	C	(4);118.7,126.14,131.9
WACO (Mun)	325(WC)(116.1)	SBRAZ-VDT,9°,2.6	(4);116.1
WEBSTER FM	(- -)	FM, 129°, 9.3	Houston
YOAKUM (Int)	235 (YK)	HW-T,352°,2.8	

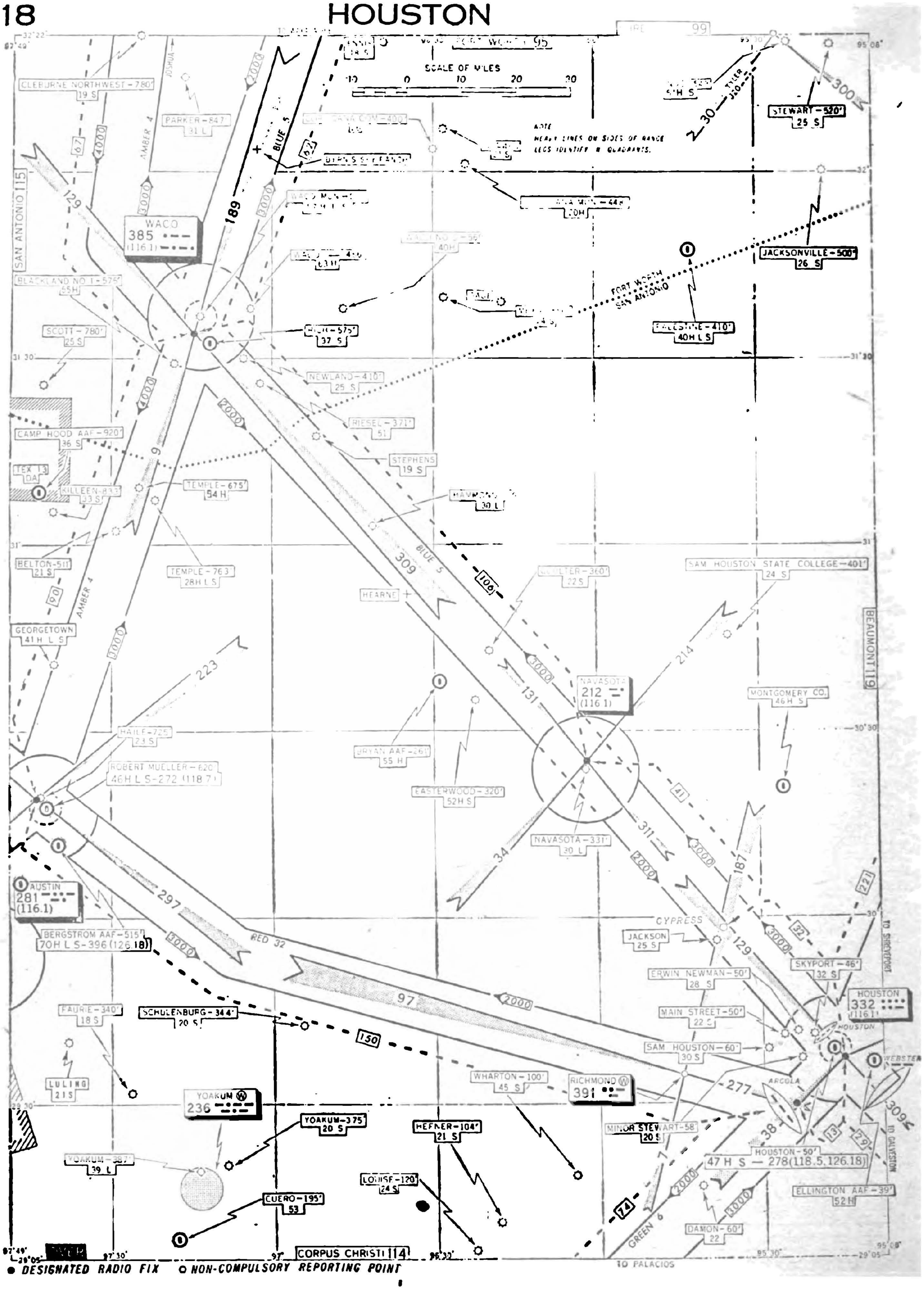
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

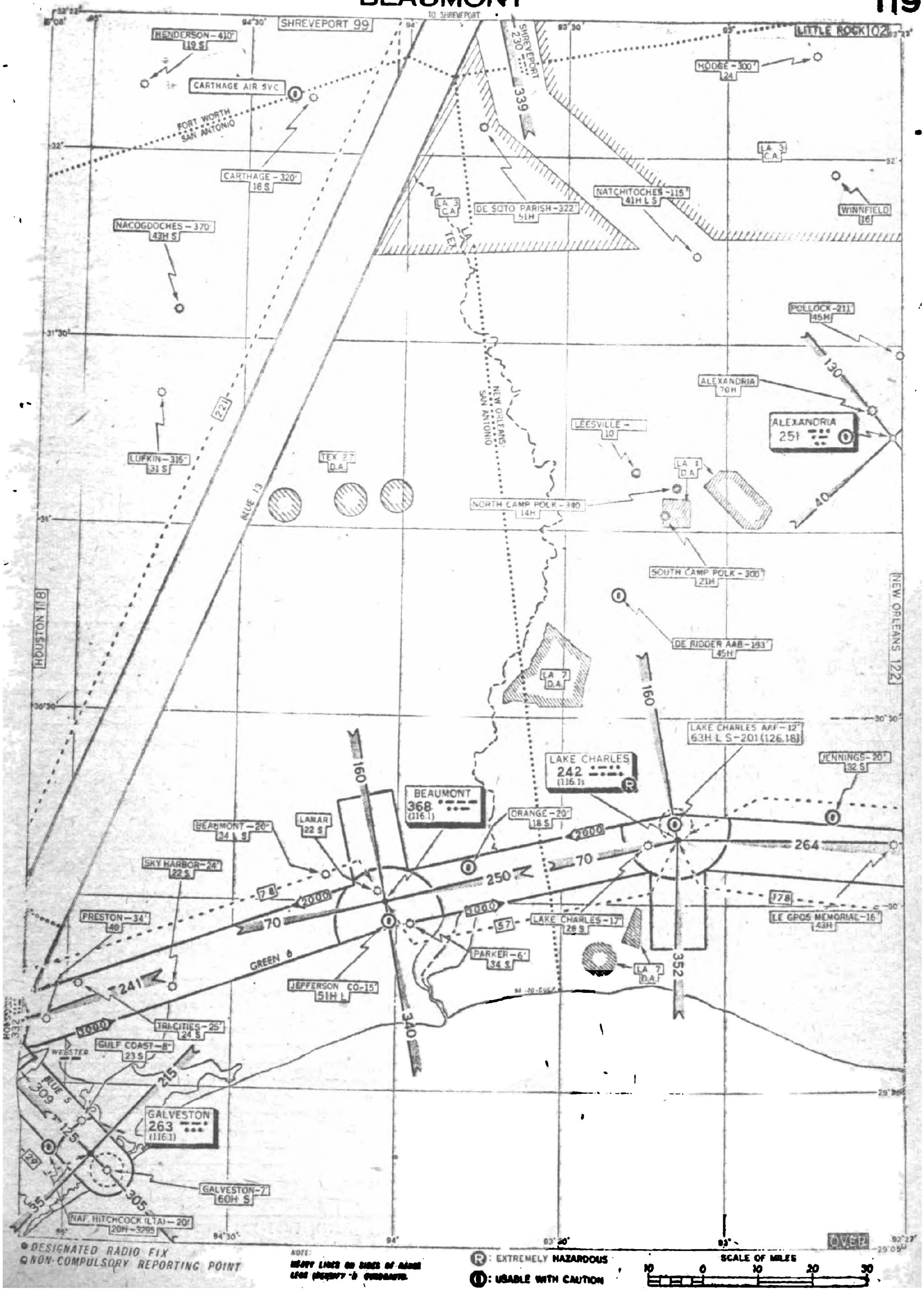
AIRPORTS — TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Belton	1.6 WSW;hwy N	511	21 S1	73,80 oct.No storage.
(A) Bergstrom (Austin) (A)	7 SE	515	70h P1 L5 S6	73,100 oct.No storage.Pole NE,W.
Blackland #1 (Waco)	11 WSW;RR S	575	55h	
(A) Bryan AAP (A)	7 SSW;riv SSW	261	55h	INACTIVE.
Cameron Airpark (NC)	1.7 N;RR,hwy W	402	29	Bldg NNE
(A) Camp Hood Landing Field (Killeen)	2 NE	920	36 S1	CLOSED. (A)
Cleburne Northwest (Cleburne)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
Corsicana, com.	2.8 SW;tel rds	400	26	
" mun.	5.6 SE;RR E	448	20h	UNUSABLE.Acft parked entire fld.
Coulter (Bryan)	4 NE;hwy NW	360	22 S6	80 oct.5' fence SW.
Cuero	3.1 N;RR SE	195	5?	
Damon	3 ESE;hwy WSW	60	22	4' fence sur fld.
(P) Easterwood (College Station)	2.8 SW	320	52h S6	80 oct.
(A) Ellington (Houston)(A)	15 SE;RR W	39	52h	INACTIVE.
Ennis	1.5 NW;RR E	540	18 S4	Ltd 73 oct.No storage.
Erwin-Newman (Houston)	5 SSW;hwy N	50	28 S6	80 oct.
Faurie (Gonzales)	2 NNE;hwy E	340	18 S2	80 oct.Trees N,S.
Georgetown	3.3 N;hwy E	789	41h L5 S4	80,91 oct.
Haile (Austin)	4.1 NE;RR E	725	23 S6	80,91 oct.Poles ESE.
★ Hammond Int.16,GS-WC	2.5 SSE;RR W	393	30 L3	
Hefner (El Campo)	1.5 WSW;RR SE	104	21 L S2	80 oct.Port rnwy lgts. Pole line S, SE.
HOUSTON	9 SSE;hwy W	50	47h R2 L5 S6	73,80,91,100 oct.
Jackson (Cypress)	4 SE;hwy S	145	25 S6	80 oct.
Jacksonville	3 N;RR E	500	26 S6	73,80 oct.Pole line ENE.
Killeen	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
Louise	1.6 E;RR W	120	24 S1	Ltd 80 oct,Pole line N,S.
Luling	1.1 SE;hwy NE	418	21 S1	80 oct.Pole lines sur fld.
Madisonville Emergency (NC)	0.8 NW;hwy E	400	18	
Main Street (Houston)	6.5 SW;hwy SE	50	22 S6	80 oct.
Mexia	1 SE;RR NW	550	24 S2	80 oct.
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct.
★ Navasota Int.10,GS-WC	2.5 ENE;RR NNW	331	30 R1 L3	
Newland (Waco)	4.5 SSE;RR NE	410	25 S6	80,91 oct.
Palestine	4.5 WNW;hwy N	410	40h L5 S6	80,91 oct.
★ Parker Int.48,JI-PV	0.6 N;hwy W	847	31 L3	
(P) POUNDS (Tyler)	5.5 N;hwy N	543	51h R1 L5 S1	80,91 oct.Obstr lgts prior req.
Rich (Waco)	3 WSW;hwy SW	575	37 L4 S6	73,80,91 oct.Poles SSE,SE.Fld lgts prior req.
Riesel (Waco)	10.5 SE	371	51	
ROBERT MUELLER (Austin)	3.5 NE;RR SW	620	46h R2 L5 S6	80,91,100 oct.
St. Edwards (Austin) (NC)	3.5 S	700	22	
Sam Houston (Houston)	10.5 SW;RR S	60	30 S6	73,80 oct.
Sam Houston State College (Huntsville)	2.5 NW;RR E	401	24 S2	80 oct
Schulenburg	2.2 N;hwy W	344	20 S4	73 oct.Pole line W.
Scott (Gatesville)	1.9 E;hwy N	780	25 S1	80 oct.Pole line NW.
Seventy-Five (Corsicana)	1.8 N;RR W	480	21 L S6	73 oct.No storage.Port rnwy lgts. Poles NW.
Skyport (Houston)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston)	6 ENE;RR N	60	30 S4	80 oct.
Stephens (Marlin)	2 ESE;RR N,SSW	318	19 S2	80 oct.Cattle on fld.Pole W.
Stewart (Tyler)	2.5 E;hwy N	520	25 S6	80 oct,Poles W.
Taylor	2.2 WNW;RR S	520	24 S4	73 oct.
Temple	5.5 NW;rd SW,NW	675	54h	
Temple #0, JI-PV	2 NNW;hwy SW	763	28h L3 S4	73,80 oct.
Waco	7 WNE;bet RRs	466	63h	
WACO MUNICIPAL	6 NW;lake S	500	57h R1 L5 S4	80,91 oct.
" #5 (Prairie Hill)	2 S;hwy N	560	40h	
Wharton	1.8 ENE;RR N	100	45 S2	80 oct.
Yoakum	4 N;hwy W	375	20 S6	80 oct.
★ " Int.7,JR-HU	5 NW;hwy S	387	39 L3	
Gage (Teague)	1.7 N		22 S4	80 oct. Pwr line W.Data unver.
Byrn's Sky Ranch (Hillsboro)	5.8 NE	820	25 S6	80 oct. Data unverified.
(P) Montgomery County Arpk (Conroe)	3.5 NE; hwy W	245	46h R2 S6	80,91,100 oct.Lgts on req.
Nearne	ACJ.E;RR E,NE	350	21 S1	80 oct. Data unverified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

HOUSTON


SCALE OF MILES
-10 0 10 20 30
NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY H QUADRANTS.
CLEBURNE NORTHWEST – 780'
19 S
PARKER – 847'
31 L
WACO
385
(116.1)
BLACKLAND NO 1 – 575'
55H
SCOTT – 780'
25 S
CAMP HOOD AAF – 920'
36 S
TEX 13
DA
KILLEEN – 833'
33 S
BELTON – 511'
21 S
GEORGETOWN
41 H L S
HAILE – 725'
23 S
ROBERT MUELLER – 620'
46H L S – 272 (118.7)
AUSTIN
281
(116.1)
BERGSTROM AAF – 515'
70H L S – 396 (126.18)
FAURIE – 340'
18 S
LULING
21 S
YOAKUM
236
YOAKUM – 375'
20 S
YOAKUM – 387'
39 L
CUERO – 195'
53
CORPUS CHRISTI 114
TEMPLE – 675'
54 H
TEMPLE – 763'
28H L S
NEWLAND – 410'
25 S
RIESEL – 371'
51
STEPHENS
19 S
HEARNE
SCHULENBURG – 344'
20 S
BRYAN AAF – 261'
55 H
EASTERWOOD – 320'
52H S
NAVASOTA
212
(116.1)
NAVASOTA – 331'
30 L
WHARTON – 100'
45 S
RICHMOND
391
HEFNER – 104'
21 S
LOUISE – 120'
24 S
WALLER – 360'
22 S
STEWART – 520'
25 S
JACKSONVILLE – 500'
26 S
PALESTINE – 410'
40H L S
SAM HOUSTON STATE COLLEGE – 401'
24 S
MONTGOMERY CO.
46 H S
JACKSON
25 S
ERWIN NEWMAN – 50'
28 S
MAIN STREET – 50'
22 S
SAM HOUSTON – 60'
30 S
SKYPORT – 46'
32 S
HOUSTON
332
(116.1)
HOUSTON – 50'
47 H S – 278 (118.5, 126.18)
ELLINGTON AAF – 39'
52 H
DAMON – 60'
22
JACKSON
CYPRESS
ARCOLA
MINOR STEWART – 58'
20 S
WEBSTER
SAN ANTONIO 115
BEAUMONT 119
TO SHREVEPORT
TO GALVESTON
TO PALACIOS
FORT WORTH
SAN ANTONIO
BLUE 5
RED 32
AMBER 4
JOSHUA
TYLER
J30
129
67
189
9
309
106
223
297
97
150
131
214
311
34
41
187
221
277
309
38
74
32
129
13
29
4000
3000
2000
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT


TO SHREVEPORT
SHREVEPORT 99
HENDERSON – 410'
119 S
CARTHAGE AIR SVC
FORT WORTH
SAN ANTONIO
CARTHAGE – 320'
18 S
NACOGDOCHES – 370'
43H S
LUFKIN – 315'
31 S
221
HOUSTON 118
BLUE 13
TEX 27
D.A.
SHREVEPORT
230
339
LITTLE ROCK 02
HODGE – 300'
24
LA 3
C.A.
NATCHITOCHES – 115'
41H L S
DE SOTO PARISH – 322'
51H
LA 3
C.A.
LA
TEX
WINNFIELD
16
POLLOCK – 211'
45H
130
ALEXANDRIA
70H
ALEXANDRIA
251
40
LEESVILLE –
10
LA 3
D.A.
NEW ORLEANS
SAN ANTONIO
NORTH CAMP POLK – 340
14H
SOUTH CAMP POLK – 300'
21H
NEW ORLEANS 122
DE RIDDER AAB – 193'
45H
LA 7
D.A.
160
LAKE CHARLES AAF – 12'
63H L S – 201 (126.18)
JENNINGS – 20'
32 S
LAKE CHARLES
242
(116.1)
BEAUMONT
368
(116.1)
160
BEAUMONT – 20'
34 L S
LAMAR
22 S
ORANGE – 20'
18 S
2000
264
SKY HARBOR – 24'
22 S
78
2000
250
70
70
3000
178
LE GROS MEMORIAL – 16'
43H
PRESTON – 34'
40
57
LAKE CHARLES – 17'
26 S
PARKER – 6'
34 S
GREEN 6
241
LA 7
D.A.
352
JEFFERSON CO – 15'
51H L
340
3000
TRI-CITIES – 25'
24 S
GULF COAST – 8'
23 S
WEBSTER
215
BLUE 5
309
GALVESTON
263
(116.1)
125
28
GALVESTON – 7'
60H S
35
305
NAF. HITCHCOCK (LTA) – 20'
20H – 3295
94°30'
94°
93°30'
93°
92°27'
29°05'
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF ARMS
LESS DENSITY IS OVERWATER.
Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

BEAUMONT

RADIO — LOUISIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	251 (DAI)	MRAWZ,310°,5.7	
LAKE CHARLES	242(LC)(116.1)	SBRAZ-VDT	(4);116.1
Lake Charles AAF	201 (126.18)	CA:340°,2.3	(4) only

TEXAS

BEAUMONT (Jefferson Co.)	368(JU)(116.1)	BMRLZ-VDT,160°,3.8	(4);116.1
GALVESTON	263(GS)(116.1)	SBMRLZ-VDT,125°,4.2	(4);116.1
HITCHCOCK NAF-LTA-HTA	3295	CN	3105,6390 (cays)
WEBSTER FM	(- -)	FM,129°,9.3	Houston

S-Simul Range and Voice W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105. 4495. 6210 kcs. (4) 3105. 4495. 6210. 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S. transmits on and guards 116 1. 137 88. 140 58 mcs

AIRPORTS — LOUISIANA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ALEXANDRIA	5.5 W;riv 2N	86	70h	
De Quincy (NC)	1.5 SW;RR NW	78	24	Cattle on fld.Trees N,E.
(A) De Ridder AAB (A)	3.5 WSW;RR S	193	45h	C-L-O-S-E-D.
(P) De Soto Parish(Mansfield)	4.3 NW;hwy S	322	51h	
Hart (Many)(NC)	1.8 SSW;RR E	242	24	Trees NNE.
Hodge	0.5 ENE;hwy NW	300	24	Cattle on Fld.
Jennings	1.4 NNW;RR SW	20	32 S2	80,91 oct.Pole line E.
Lake Charles	5.2 SSW;hwy N	17	26 S6	80 oct.Pole line N. Rnwy data unver
(A,N) LAKE CHARLES AAF (A)	4 ESE;RR NE	12	63h R2 L5 S6	91,100 oct.JP-1.No storage.
(A) Leesville Landing Strip	2 NW		10	L-type acft. (A)
Le Gros Mem'l (Crowley)	6.5 WSW;RR N	16	43h L5	Ctc lgts prior req.
McArthur (Alexandria)	2.8 W;hwy E,N	86	12 S1	Ltd 80 oct.Trees N,S.
(P) Natchitoches	1.5 SSW;RR E	115	41h L5 S6	80 oct.,ltd 90 oct.Ctc lgts prior
(A) North Camp Polk Landing Strip (Camp Polk)(A)	6 NE	340	14h	req. No bcn.
Oakdale (NC)	3 W;hwy N	123	27	Trees WSW,ENE.
Pollock	4.5 SW	211	45h	
(A) South Camp Polk Landing Strip (Camp Polk)(A)	Adj E	300	21h	
Winnfield	3 NW;hwy E	600	16	Trees N.

TEXAS

Angelina Co. (Lufkin)(NC)	7.5 SSW;RR W	288	42	Cattle on fld.
Beaumont	6.8 W;bet RRs	28	34 L3 S6	73,80 oct.Fld lgts prior req.
Carthage	2 E;hwy N	320	18 S1	Ltd 80 oct.
" Air Service	1.3 W;hwy N,S	310	30 S2	80,91 oct. Pole line N.Trees E,W.
GALVESTON	3.5 WSW;Gulf S	7	60h R1 S6	80,91 oct.
Gulf Coast (Texas City)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct.No storage.Pole line N.
Henderson	2.1 WNW;hwy S	410	19 S2	73 oct.
(N) Hitchcock NAF(LTA)(N)	2.3 SW;RR ENE	20	20h R1	
Humphrey (Goose Creek)(NC)	4 NNE;RR E	34	24	Pole line NW,W.
(P) Jefferson Co. (Beaumont)	9.8 SSE;hwy NE	15	51h R1 L5	
Lamar (Beaumont)	4 SE;riv NE	17	22 S4	80 oct.No sto.Poleline N,S.
Lufkin	2 NW;hwy N	315	31 L1 S6	73,80 oct.
Nacogdoches	4 WSW;hwy E	370	43h S5	80,91 oct.
Orange	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur)	4 NW;RR NE	6	34 S6	80 oct.
Preston (Houston)	2.5 WNW LaPorte	34	40	
Richter (Kirbyville)(NC)	1.5 S;RR E	175	16	
Sky Harbor (Anahuac)	0.3 S;hwy N	24	22 S1	80 oct.
Tri-Cities (Goose Creek)	2.6 N;RR E	25	24 S2	80 oct.Pole line SE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

RADIO — LOUISIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARATARIA FM	(- -)	FM, 171°, 20	New Orleans
BATON ROUGE (Harding)	347 (RX)	MRLWZ, 128°, 3.4	
LAFAYETTE	227 (UG)(116.1)	MHVT	(4): 116.1
LA PLACE FM	(- - -)	FM, 271°, 16.8	New Orleans
MADISONVILLE FM	(- - - -)	FM, 353°, 32	New Orleans
MOISANT AIRPORT (New Orleans)	278 (118.3)(126.18)	C (ILS)	(4): 131.9, 118.3, 126.18
NEW ORLEANS (Moisant)	338 (HO)(116.1)	SBRAZ-VDT, 271°, 3.2	(3):116.1
New Orleans Airport	382 (126.18)	CA	(4):126.18
New Orleans NAS	323 (142.74)	CN	(3): 142.74 (8-sunset)
NEW ORLEANS FM	(-)	FM, 63°, 11	New Orleans

MISSISSIPPI

FLORENCE FM	(- - -)	FM.173°,14.6	Jackson
JACKSON AIRPORT	278(126.18)(118.7)	C	(4):126.18,118.7,131.9

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
MOISANT, LA.	109.9	333.8	100° Mag.	IM ·····(.04)	EM	OM	--(4.5)
					MM	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — LOUISIANA

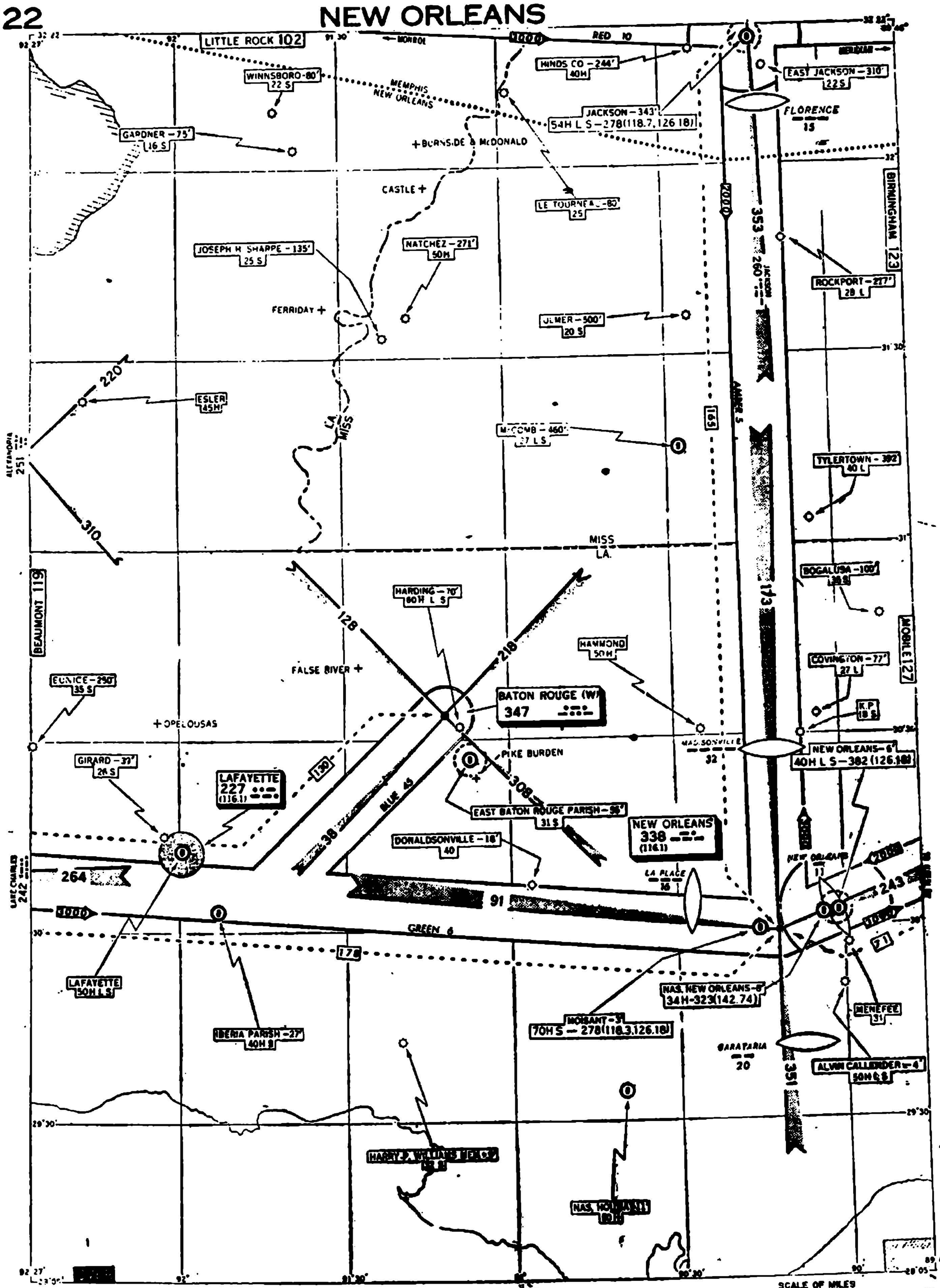
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alvin Callender (New Orleans)	9 SSE; RR E	4	50h L5 S4	73, 80, 91 oct.
Bogalusa	2.4 N; RR E	100	35 S6	73, 80 oct. No sto. Pole S.
Burnside & McDonald (Newellton)	1 WSW	77	50	Data not verified.
Castle (St. Joseph)	2 N	75	20 S4	80 oct. No sto. Data not verified.
Chapman (New Orleans)(NC)	8.5 NE; lake N	4	22	15' trees NW. Cattle on field.
* Covington Int. 3, MO-LS	6 NNE; hwy W	77	27 L3	Pole line W.
* Donaldsonville Int. 26, MU-NO	3 ENE; hwy W	18	40 L3	Levee W. Closed nghts.
East Baton Rouge Parish (Baton Rouge)	4 E; hwy N, E	56	31 S4	80, 91 oct. Pole line S.
Esler (Alexandria)	11 NE; Bayou S	92	45h	
Eunice	1.7 W; hwy N	250	35 S2	80 oct.
False River (New Roads)	1.5 W	30	25 S1	80 oct. Data not verified.
Ferriday	2 N	55	18	Data not verified.
Gardner (Gilbert)	1 E; hwy S	75	16 S1	Ltd 73 oct.
Girard (Lafayette)	2.5 NW; hwy E	39	26 S6	80, 87 oct. Obsts sur fld.
Grand Isle (NC)	2.6 NE; hwy NW	4	22	
Hammond	2 ENE; RR S	40	50h	
HARDING (Baton Rouge)	5.8 NNE	70	60h L5 S2	91 oct. No ben
Harry P. Williams Mem'l(Patterson)	2 WNW; bet RR, hwy	9	32 L2 S2	73 oct. No ben. Lgts prior req. Pole line NW.
(N) House NAS (NTA)(N)	3.1 ESE; RR NE	11	50h	INACTIVE.
Iberia Parish (New Iberia)	5 NW; RR NE	27	40h L1 S6	73-91 oct. Ben prior req.
K-P (Covington)	1.6 NW; RR S	27	18 S2	80 oct.
Lafayette	1.5 SE; RR W	40	50h R1 L5 S1	91 oct. Pole line S.
Menefee (New Orleans)	5.2 E; riv S	1	31	Pole line S.
(E) MOISANT INTERNATIONAL(New Orleans)	11 W; riv S	3	70h R3 L6 S1	80,91,100 oct. Avail. only to Army, Navy, Airlines.
(A) New Orleans	6.5 NNE; RR S	8	40h R1 L4 S4	91, 100 oct; 100 oct Govt contract.
(N) New Orleans NAS (N)	4.6 N; on lake	7	34h R1	Tower NE.
Opelousas	1.5 NE	35	18	Data not verified.
Pike Burden (Baton Rouge)	5 SE	35	50 S1	80 oct. Data not verified.
Texaco (New Iberia)(NC)	2.6 N; hwy W	21	18	Poles W, WSW. Cattle on fld.
Wimnsboro	1.2 ESE; RR SW	80	22 S1	80 oct.

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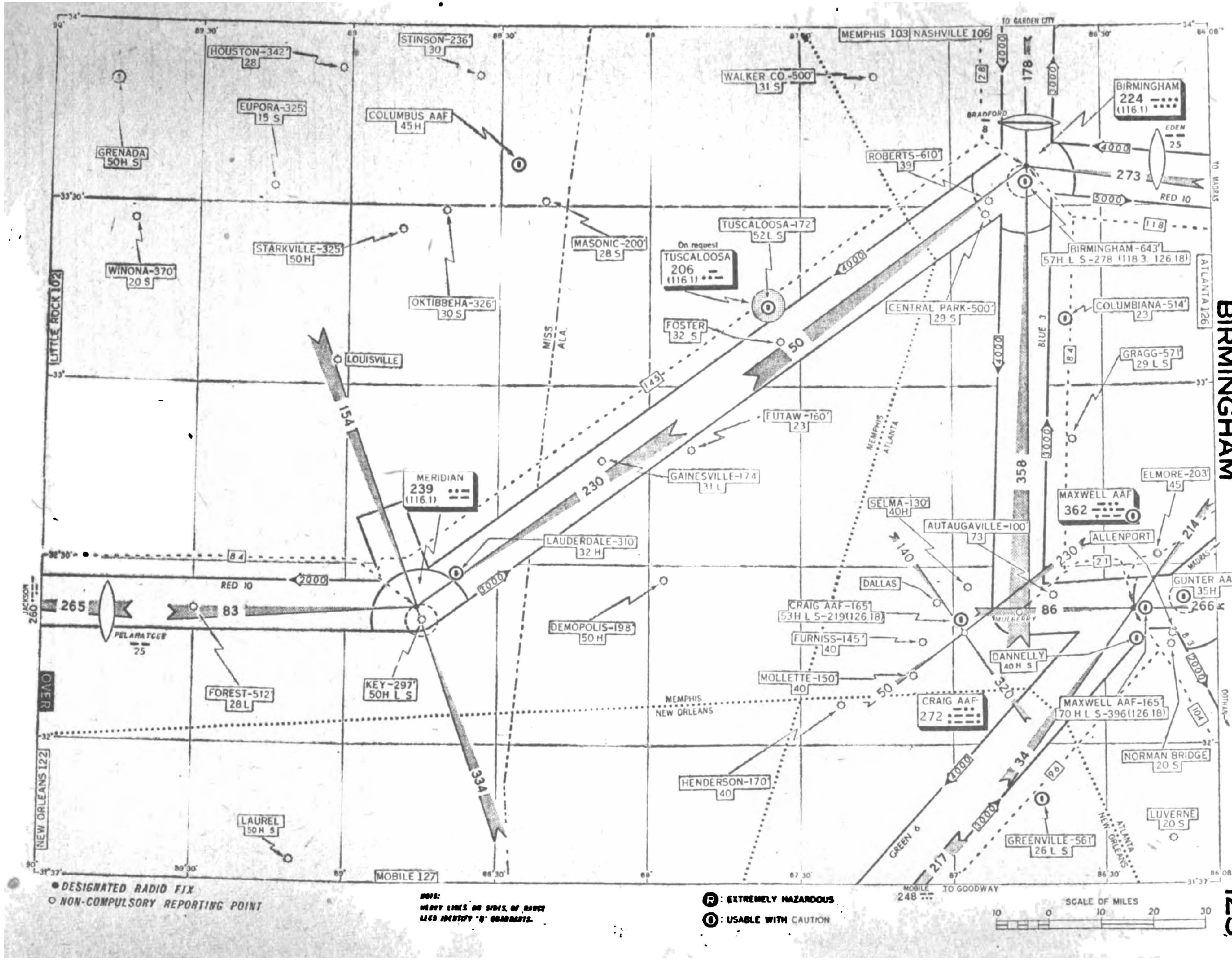
East Jackson (Jackson)	3.1 SSE; hwy NW	310	22 S6	80 oct. Trees N.
Hinds County (Jackson)	12.8 W	244	40h	
(A,N) JACKSON	3 NW; RR SW	343	54h R2 L5 S6	80, 91, 100 oct. Tank, stack E.
Joseph H. Sharpe (Natchez)	1.8 ESE; RR S	135	25 S2	73 oct.
LeTourneau (Yokena)	2.5 NW; riv W	80	25 L2 S4	No fuel. Lgts prior req. Caution - wet.
McComb	1.3 NW; hwy E	460	27 L3 S6	80,91 oct. No ben; lgts prior req. Obsts sur fld.
(P) Natchez	7.1 ENE; RR S	271	50h	
* Rockport Int. 12, MO-LS	1.5 E; riv W	217	28 L3	
* Tylertown Int. 7, MO-LS	6 SE; road E	392	40 L3	
Ulmer (Brookhaven)	1.5 NNE; RR W	500	20 S4	73 oct. No sto. Pole line W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page I(h))(NC)-Not charted. —► NEW OR REVISED DATA

NEW ORLEANS


LITTLE ROCK 102
MONROE
RED 10
HINDS CO – 244'
40H
WINNSBORO-80'
22 S
MEMPHIS
NEW ORLEANS
EAST JACKSON – 310'
22 S
FLORENCE
15
JACKSON – 343'
54H L S – 278(118.7, 126.18)
GARDNER – 75'
16 S
+BURNSIDE & McDONALD
CASTLE +
LE TOURNEAU – 80'
25
BIRMINGHAM 123
JOSEPH H SHARPE – 135'
25 S
NATCHEZ – 271'
50H
FERRIDAY +
JUMER – 500'
20 S
220
ESLER
45H
LA MISS
MACOMB – 460'
37 L S
ALEXANDRIA
251
310
MISS
LA.
BEAUMONT 119
128
HARDING – 70'
60H L S
218
HAMMOND
50H
FALSE RIVER +
EUNICE – 290'
35 S
BATON ROUGE (W)
347
+OPELOUSAS
PIKE BURDEN
MADISONVILLE
32
NEW ORLEANS – 6'
40H L S – 382 (126.18)
GIRARD – 37'
24 S
LAFAYETTE
227
(116.1)
130
BLUE 45
38
308
EAST BATON ROUGE PARISH – 35'
31 S
NEW ORLEANS
338
(116.1)
TYLERTOWN – 392'
40 L
DONALDSONVILLE – 18'
40
LA PLACE
16
LAKE CHARLES
242
264
91
GREEN 6
178
BOGALUSA – 100'
28 S
MOBILE 127
COVINGTON – 77'
27 L
K.P.
18 S
LAFAYETTE
50H L S
IBERIA PARISH – 27'
40H S
NAS, NEW ORLEANS – 6'
34H-323(142.74)
MORGANT – 31'
70H S – 278(118.3,126.18)
MENEFEE
31
ALVIN CALLENDER – 4'
50H S
BARATARIA
20
351
HARRY P. WILLIAMS FIELD
NAS, NEW ORLEANS
92° 27'
92°
91° 30'
90° 30'
90°
89° 48'
29° 30'
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R EXTREMELY HAZARDOUS
U USABLE WITH CAUTION

BIRMINGHAM


MEMPHIS 103 NASHVILLE 106
TO GARDEN CITY
HOUSTON-342' 28
STINSON-236' 30
WALKER CO.-500' 31 S
BIRMINGHAM 224 (116.1)
EUPORA-325' 15 S
COLUMBUS AAF 45H
GRENADA 50H S
ROBERTS-610' 39
BRADFORD
EDEN 25
273
RED 10
TO MADRAS
TUSCALOOSA-172' 52L S
On request TUSCALOOSA 206 (116.1)
STARKVILLE-325' 50H
MASONIC-200' 28 S
WINONA-370' 20 S
OKTIBBEHA-326' 30 S
BIRMINGHAM-643' 57H L S-278 (118.3 126.18)
ATLANTA 126
CENTRAL PARK-500' 29 S
COLUMBIANA-514' 23
FOSTER 32 S
LITTLE ROCK 102
LOUISVILLE
MISS ALA.
GRAGG-571' 29 L S
EUTAW-160' 23
MERIDIAN 239 (116.1)
GAINESVILLE-174' 31 L
MEMPHIS ATLANTA
ELMORE-203' 45
SELMA-130' 40H
MAXWELL AAF 362
AUTAUGAVILLE-100' 73
ALLENPORT
LAUDERDALE-310' 32 H
RED 10
DALLAS
GUNTER AAF 35H 266
DEMOPOLIS-198' 50 H
CRAIG AAF-165' 53H L S-219(126.18)
FURNISS-145' 40
DANNELLY 40H S
JACKSON 260
265
PELAHATCHIE 25
83
FOREST-512' 28 L
KEY-297' 50H L S
MOLLETTE-150' 40
MEMPHIS NEW ORLEANS
CRAIG AAF 272
MAXWELL AAF-165' 70 H L S-396(126.18)
NEW ORLEANS 122
HENDERSON-170' 40
NORMAN BRIDGE 20 S
LAUREL 50H S
LUVERNE 20 S
GREENVILLE-561' 26 L S
ATLANTA NEW ORLEANS
MOBILE 127
MOBILE 248
TO GOODWAY
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RIVER LEGS INDICATE "R" HAZARDS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION

BIRMINGHAM

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED. HRS. OF OPER., REMARKS
BIRMINGHAM	224(BH) (116.1)	SBRAZ-VDT	(3); 116.1
Birmingham Airport	278 (126.18) (118.3)	AC, 178°, 3	(4);131.9.126.18,119.3
BRADFORD FM	(-)	FM, 358°, 8	Birmingham
CRAIG (Selma)(Army)	272 (DPP)	MRLZ	(3);126.18
Craig Field	219 (126.18)	CA; 320°, 2.5	(3); 126.18
EDEN FM	(- -)	FM; 93°, 25.1	Birmingham
GUNTER FIELD(Montgomery)	201 (126.18)	CA	INACTIVE
MAXWELL (Montgomery)(Army)	362 (DXW)	SBRAZ	(4)
→ Maxwell Field	396 (126.18)	CA; 86°, 2	(4); 126.18
TUSCALOOSA	206(TU)(116.1)	MHVT	(4); 116.1

MISSISSIPPI

MERIDIAN (Key)	239(UM)(116.1)	SBMRAZ-VDT;154°,2.8	(4); 116.1
PELAHATCHEE FM	(- -)	FM, 65°, 25	Jackson

S-Simul. Range and Voice. W-Without Voice Z-VHF Range Station Location Marker (3) 3105 4495. 6210 kcs (4) 3105. 4495. 6210. 3117.5 kcs
Parenthetical Numbers in Frequency Column indicate VHF Voice + -Army A C S transmits on and guards 116 1. 137 88. 140 58 mcs

AIRPORTS — ALABAMA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Allenport (Montgomery)	4.3 SSE;RR W	175	30 S6	80 oct. Trees N.
Autaugaville (Selma)	20.5 W	100	73	
(A) BIRMINGHAM	5.5 NE;RR S	643	57h R2 L5 S3	73-100oct.JP-1.Rdo rec req.
Central Park(Birmingham)	5.2 SW;RR E	500	29 S6	80 oct. No sto.
Columbiana	1.5 WNW	514	23	Lgt acft only.
(A) Craig (Selma)(A)	4.8 SSE	165	53h R2 L5 S6	91,100 oct.
DANNELLY (Montgomery)	7.5 SW;RR E	219	40h S1	80,91 oct.
(P) Demopolis	7.8 WSW;riv NW	198	50h	
(A) Elmore (Montgomery)(A)	10 N;hwy N	203	45	INACTIVE.
Eutaw	2 SE;hwy N	160	23	Pole line W.
Foster(Tuscaloosa)	5.5 S	236	32 S4	Ltd 73 oct.Pwr line E.
Furniss (Selma)	10 SSW	145	40	
* Gainesville Int,55,FV-AG	2 S;hwy W	174	31 L2	
Gragg,27,PS-TM(Clanton)	2.2 NE;creek S	571	29 L3 S2	80,91oct. Hill E.
Greenville,24,NO-AG	5.5 WNW;hwy S	561	26 L2 S4	80 oct.
(A) Gunter (Montgomery)(A)	5 NE	221	35h	
Henderson (Selma)	29 SW; riv W	170	40	
Luverne	1.7 NNW;RR E	300	20 S1	73 oct.Pole line W.
(A) Maxwell(Montgomery)(A)	3 WNW	165	70h R2 L5 S6	73,91,100oct.No sto.JP-1
Mollette (Selma)	16.2 SSW	150	40	
Norman Bridge(Montgomery)	5.8 S;RR E	172	20 S4	73 oct. No sto.
Roberts (Birmingham)	3 W;RR N	610	39	
Selma-Selfield (Selma)	4 ENE;RR S	130	40h	
Tuscaloosa,59,FV-AG	3 NW;RR N	172	52 R1 L3 S6	73,80 oct.Pole,trees N.
Walker County (Jasper)	2.5 NNE;RR W	500	31 S2	80 oct.
→ Dallas (Selma)	2.2 SW; riv SSE	161	20 S1	80 oct. Trees NE.

MISSISSIPPI

(A) Columbus AAF (A)	10 N;RR E	205	45h	INACTIVE.
Eupora	1 NE;hwy S	325	15 S2	80 oct.Hill NW.
Forest,46,FV-AG	1 W;RR S	512	28 L3	
Grenada	3 N;RR S	197	50h L5 S2	80,91 oct.Ctc lgts req.
Houston	1.5 SW;hwy SE	342	28	Trees W,SE,N; bldg SE.
KEY (Meridian)	3.5 SW;RR E	292	50h R1 L5 S4	80,91 oct. Ctc lgts prior req.
Lauderdale Civil(Meridian)	9 NNE;hwy E	310	32h	
→ Laurel	3 SW;RR SE	235	50h L S4	80,91 oct.Portable rnwy lgts.
Masonic (Columbus)	3.9 ENE;hwy S	200	28 S2	80 oct.
O'Keefe (Newton)(NC)	1.5 ESE;RR N	363	26	Trees NE,SE,NW.UNUSABLE.
Oktibbeha (Starkville)	7.5 ENE;hwy E	326	30 S6	73 oct.
(P) Starkville (Columbus)	2 SW Starkville	325	50h	
Stinson (Aberdeen)	3 NW;hwy NE	239	30	
Winona	1.3 SSE;RR W	370	20 S4	73,91oct. Lgt acft only.
Louisville Air Service	3.9 S;RR W	500	16 S1	80 oct. Pole line S.

● h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted.

→ NEW OR REVISED DATA

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANNISTON	206 (K I)(116.1)	MHVT	(4); 116.1
GEORGIA			
ALBANY (Turner Aux. Fld. #1)	254 (GY)(116.1)	BMRLZ-VDT 288° 2.3	(4); 116.1 (VDT Stn lctd at Albany Arpt.)
ATLANTA	266 (AG)(116.1)	SBRAZ-VDTX	(3); 116.1
Atlanta Airport	278 (118.7)(126.18)	AC (ILS); 331° 1.9	(4); 126.18, 118.7, 191.9
Atlanta (Navy)	323 (NCQ)	MRLWZ	
Atlanta NAS	356 (142.74)	CN; 86° 3.2	3105, 4495, 3117.5, 142.74
EAST POINT LFM	(- - - - -)	LFM, 351° 6.5	Atlanta
JONESBORO	219 (H)	FMK; 133° 11	Atlanta
JONESBORO FM	(- -)	FM, 133°, 11	Atlanta
LAWSON, (Columbus)(Army)	379 (DVL)	MRLZ	
→ Lawson Field	278 (126.18) +	CA; 21°, 3.3	(3); 126.18
MACON (Herbert Smart)	209 (UN)(116.1)	BMLZ-VDT; 246° 4.8	(4); 116.1
MADRAS FM	(- - -)	FM, 230°, 24.8	Atlanta
→ MARIETTA AAF	396 (126.18)	CA	4495; 126.18 (8-20)
SMYRNA FM	(- - - - - -)	FM, 331°, 22	Atlanta
STONE MOUNTAIN FM	(-)	FM, 55°, 17.25	Atlanta
TURNER LFM (Army)(NC)	(- - -)	FM, 202°, 11.6	Albany (On req)
→ WARNER-ROBINS (Robins Fld)	284 (126.18) +	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ATLANTA, GA.	109.9		329° Mag.	IM	MM	CM --(3.1)
					MKK 201 ---(.68)	OMK

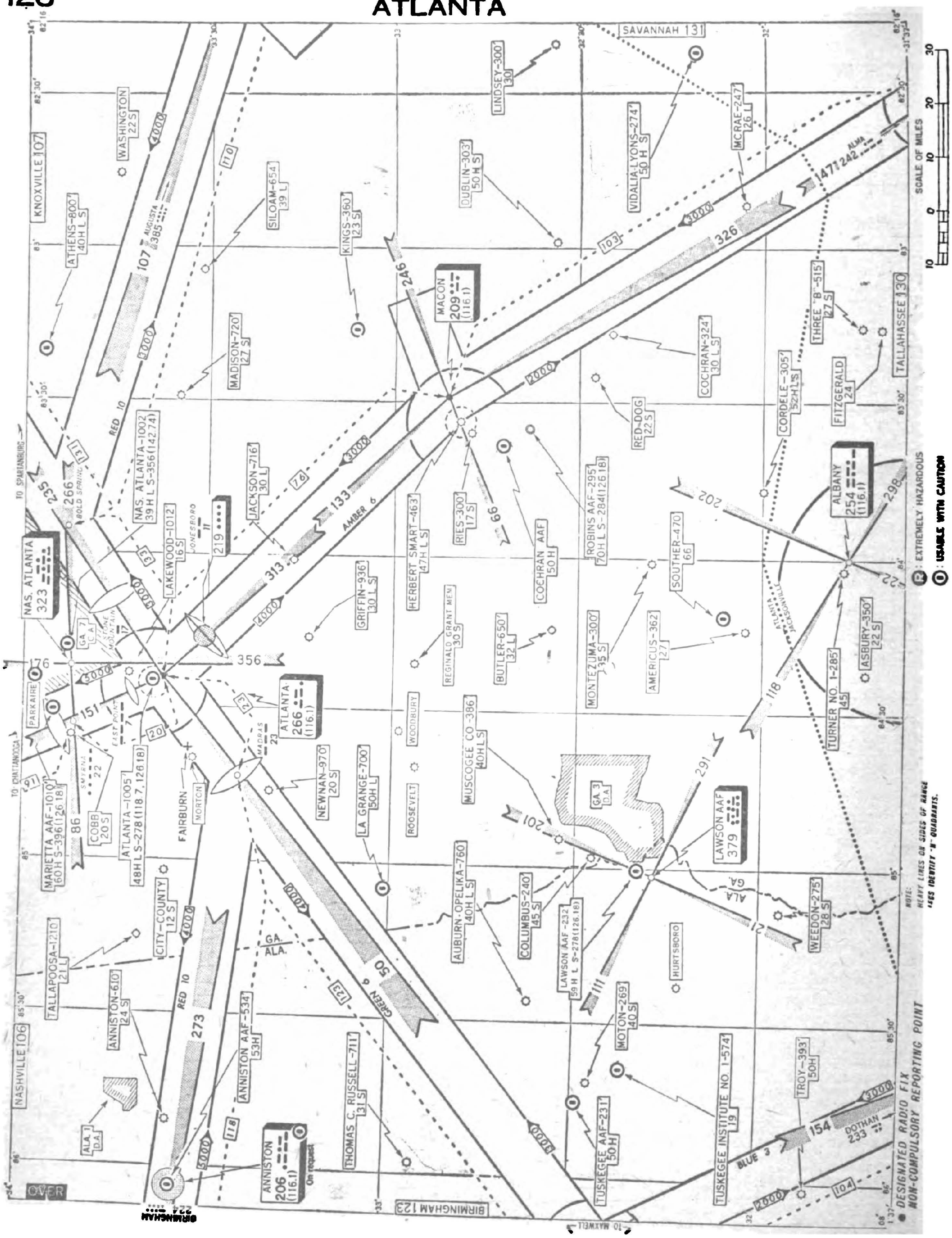
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

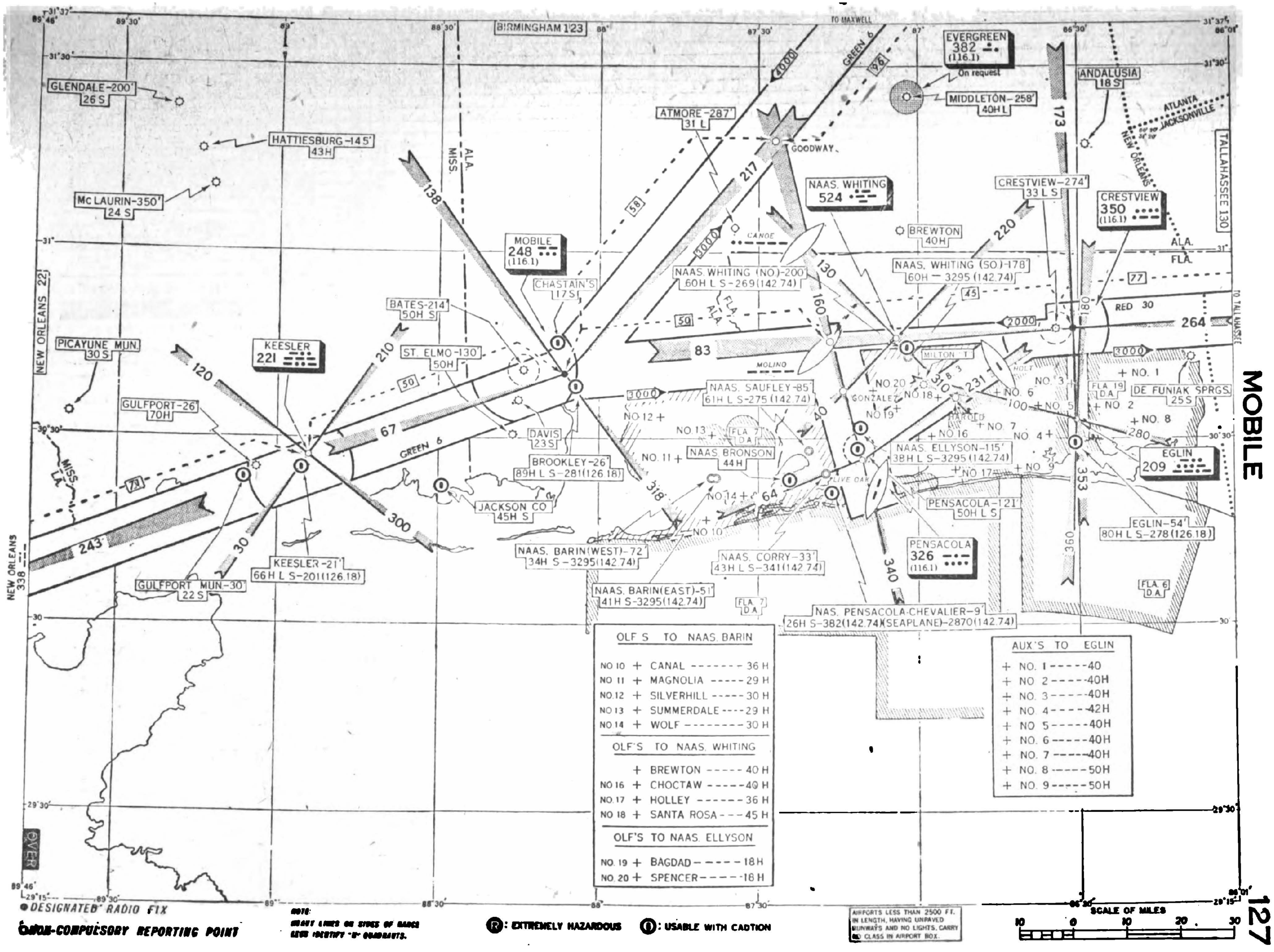
AIRPORTS — ALABAMA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anniston	5.5 SSW	610	24 S3	80 oct. Pole line W, lgtd.
(A) Anniston AAF (A)	15 SW; hwy N	534	53h R1	INACTIVE.
(P) Auburn-Opelika (Auburn)	2.8 E; RR N	760	40h L5 S5	80 oct. Fld lgts prior req.
Moton (Tuskegee)	3 N; RR, riv E	269	40 S6	73-91 oct. No sto. Twr S end.
Talladega (NC)	2.6 NE; RR SE	590	20	Pole line E, hill W.
Thomas C. Russell(Alexander Cy)	1.5 SW; hwy E	711	31 S5	80 oct.
(P) Troy	4.8 NNW; rd E	393	50h	
→ (A) Tuskegee AAF (A)	7.3 NW; RR S	231	50h	C-L-O-S-E-D.
Tuskegee Institute #1	4 SSE; hwy W	574	19	
Weedon (Eufaula)	4.3 NNE; hwy E	275	28 S2	80 oct.
→ Hurtsboro	2.5 SE, RR SW	349	23 S1	78 oct.
GEORGIA				
Americus	1.5 S; RR W	362	27	Trees E, W, NE.
Ashbury (Dawson)	5.7 SE; RR N	350	22 S1	Ltd 80 oct. Pole NNW.
Athens	3.5 E; RR N	800	40h L4 S6	80, 91 oct.
(A) ATLANTA	8 S; RR N	1005	48h R3 L6 S6	73-100 oct. Rdo rec req. Trees NW.
(N) Atlanta NAS (N)	8.5 NNE; hwy SE	1002	39h R2 L6 S6	100 oct. NAFC.
★ Butler Int, 14, T I-AG	0.5 NW; RR S	650	32 L3	Poles S.
City-County (Carrollton)	3.3 NE; hwy E	1200	12 S1	Ltd 73 oct.
Cobb (Marietta)	6.4 SSW; rd S	1050	20 S6	Ltd 80 oct. No sto. Trees NW.
(A) Cochran (Macon) (A)	10 S; RR E	352	50h	INACTIVE.
★ Cochran Int, 50, MM-AG	5 NE; rd N	324	30 L2 S6	80 oct. Poles NW, NE, S, SE.
Columbus	1.5 SSE; riv SW	240	45 S4	80 oct.
(P) Cordele	1.6 NNE; RR W	305	52h L3 S1	80 oct.
(N,P) Dublin	4.5 WNW; hwy S	303	50h S1	73 oct.
Fairburn	3.5 SW; RR S		24 S2	80 oct. Hi-line SE. Data not verified.
Fitzgerald	2 SSW; RR W,E	365	24	
Griffin	1.5 S; hwy E	936	30 L3 S6	80 oct. Twr E.
HERBERT SMART (Macon)	4 ESE; hwy W	463	47h R1 L5 S6	80, 91 oct.,
★ Jackson Int, 57, MM-AG	4.6 SW; rd S	716	30 L3	Barn E; bldg W.
Kings (Milledgeville)	1.5 NW; RR W	360	23 S4	80 oct. No sto.
(P) La Grange	3 SW; RR ESE	700	50h L2	
Lakewood (Atlanta)	4 S; hwy W	1012	16 S4	80 oct. Pwr line SE end NW-SE strip.
(A) Lawson (Columbus) (A)	9.5 S; riv W	232	59h R2 L5 S6	91, 100 oct. No sto.
Lindsey (Swainsboro)	2.3 S; RR W	300	30	Pole line E.
McRae 47, MM-AG	2 SE; RR NE	247	26 L3	
→ Madison	2 SSW; RR E	720	27 S2	80 oct. Pwr line SSE.
(A) Marietta AAF (A)	2.5 SE	1010	60h R1 L5 S4	100 oct. JP-1 fuel. Lgts avail. up to 2000.
Montezuma	1.5 E; RR S, W	300	35 S1	Ltd 80 oct.
→ Morton (Palmetto)	1.8 NNE; RR SE	1020	24 S4	80 oct.
MUSCOGEE CO. (Columbus)	6 NE; Hwy E	386	40h L5 S6	80, 91 oct. Fld lgts prior request.
Newnan Airpark	3.7 SE; RR W	970	20 L1 S1	80 oct.
Red Dog (Cochran)	6.2 NW; RR W	300	22 S4	80 oct. Trees N, E.
Reginald Grant Mem'l (Thomaston)	3.7 NNW; hwy NE	750	30 S4	80 oct. Trees S.
Ries (Macon)	4.5 SE; RR W	300	17 S1	Ltd 80 oct - emerg. Trees N, E.
(A) Robins (Warner-Robins)(A)	1.5 NE Wellston	275	70h R1 L5 S6	62, 73, 91, 100 oct. JP-1.
Roosevelt (Warm Springs)	3.5 N; hwy W	870	22 S2	80 oct. Trees SE, SW, NW.
★ Siloam Int, 7B, AG-CS	1.3 S; road W	654	39 L3	82' mast SE corner N/S strip.
Souther (Americus)	4 NE; RR W	470	66	
★ Tallapoosa Int, 73, FV-AG	5.5 SSE	1210	21 L3	Trees SE; house NW.
Three "B" (Fitzgerald)	1.5 N	515	27 S1	80 oct.
Turner #1 (Albany)	15 NE	285	45	
(A) Vidalia-Lyons	3.2 SE; hwy N	274	50h S1	80 oct.
Washington	1.4 NW; RR SE	600	22 S1	80 oct.
Parkaire (Marietta)	7.7E; hwy SW	1100	22 S1	80 oct.
Woodbury	1.5 E	770	16 S1	Fuel. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See map XIII) (NC)-Not charted. → NEW OR REVISED DATA

ATLANTA


SAVANNAH 131
KNOXVILLE 107
WASHINGTON 22 S
LINDSEY-300 30
ATHENS-800 40H L S
SILOAM-654 39 L
KINGS-360 23 S
DUBLIN-303 50 H S
VIDALIA-LYONS-274 50 H S
MCRAE-247 26 L
ALMA 147 242
SCALE OF MILES
MACON 209 (116.1)
MADISON-720 27 S
COCHRAN-324 30 L S
THREE "B"-515 27 S
CORDELE-305 52H L S
FITZGERALD 24
TALLAHASSEE 130
RED-DOG 22 S
NAS. ATLANTA 323
NAS. ATLANTA-1002 39 H L S-356(142.74)
LAKEWOOD-1012 16 S
JACKSON-716 30 L
HERBERT SMART-463 47H L S
RIES-300 17 S
COCHRAN AAF 50 H
ROBINS AAF-295 70H L S-284(126 18)
SOUTHER-470 66
ALBANY 254 (116.1)
GRIFFIN-936 30 L S
REGINALD GRANT MEM 30 S
BUTLER-650 32 L
MONTEZUMA-300 35 S
AMERICUS-362 27
ASBURY-350 22 S
ATLANTA 266 (116.1)
NEWNAN-970 20 S
LA GRANGE-700 50H L
MUSCOGEE CO-386 40H L S
LAWSON AAF 379
MARIETTA AAF-1010 60 H S-396(126 18)
ATLANTA-1005 48H L S-278(118 7, 126 18)
CITY-COUNTY 12 S
AUBURN-OPELIKA-760 40H L S
COLUMBUS-240 45 S
LAWSON AAF-232 59 H L S-278(126.18)
WEEDON-275 28 S
TALLAPOOSA-1210 21 L
ANNISTON-610 24 S
ANNISTON AAF-534 53H
MOTON-269 40 S
TURNER NO. 1-285 45
TUSKEGEE INSTITUTE NO 1-574 19
TROY-393 50H
TUSKEGEE AAF-231 50 H
ANNISTON 206 (116.1)
THOMAS C. RUSSELL-711 31 S
DOTHAN 233
BIRMINGHAM 123
TO MAXWELL
TO CHATTANOOGA
TO SPARTANBURG
NASHVILLE 106
OVER
RED 10
GREEN 50
AMBER 6
BLUE 3
ATLANTA JACKSONVILLE
GA 7 C A
GA 3 D A
ALA 7 D A
ALA 1 D A
PARKAIRE
BOLD SPRINGS
STONE MOUNTAIN
EAST POINT
SMYRNA
MORTON
WOODBURY
ROOSEVELT
HURTSBORO
MADRAS
COBB 20 S
SCALE OF MILES
P: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY "B" QUADRANTS.
● DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT


BIRMINGHAM 123
TO MAXWELL
GLENDALE-200'
26 S
HATTIESBURG-145'
43H
Mc LAURIN-350'
24 S
NEW ORLEANS 221
PICAYUNE MUN.
30 S
GULFPORT-26'
70H
MISS.
LA.
GULFPORT MUN-30'
22 S
KEESLER
221
KEESLER-21'
66H L S-201(126.18)
ALA.
MISS.
MOBILE
248
(116.1)
CHASTAIN'S
17 S
BATES-214'
50H S
ST. ELMO-130'
50H
DAVIS
23 S
BROOKLEY-26'
89H L S-281(126.18)
JACKSON CO
45H S
ATMORE-287'
31 L
GOODWAY
EVERGREEN
382
(116.1)
On request
MIDDLETON-258'
40H L
GREEN 6
NAAS. WHITING
524
NAAS. WHITING (NO)-200'
60H L S-269(142.74)
NAAS. WHITING (SO)-178'
60H — 3295(142.74)
BREWTON
40H
CANOE
MOLINO
MILTON
NAAS. SAUFLEY-85'
61H L S-275(142.74)
NAAS. BRONSON
44H
NAAS. BARIN(WEST)-72'
34H S-3295(142.74)
NAAS. BARIN(EAST)-51'
41H S-3295(142.74)
NAAS. CORRY-33'
43H L S-341(142.74)
NAAS. ELLYSON-115'
38H L S-3295(142.74)
PENSACOLA-121'
50H L S
PENSACOLA
326
(116.1)
NAS. PENSACOLA-CHEVALIER-9'
26H S-382(142.74)(SEAPLANE)-2870(142.74)
CRESTVIEW-274'
33 L S
CRESTVIEW
350
(116.1)
ANDALUSIA
18 S
ATLANTA
JACKSONVILLE
NEW ORLEANS
TALLAHASSEE 130
TO TALLAHASSEE
RED 30
264
DE FUNIAK SPRGS.
25 S
EGLIN
209
EGLIN-54'
80H L S-278(126.18)
FLA.
ALA.
FLA 19 D.A
FLA 7 D.A
FLA 6 D.A
NO 1
NO 2
NO 3
NO 4
NO 5
NO 6
NO 7
NO 8
NO 9
NO 10
NO 11
NO 12
NO 13
NO 14
NO 16
NO 17
NO 18
NO 19
NO 20
GONZALEZ
HAROLD
OLIVE
OVER
NEW ORLEANS 338
30°30'
29°30'
89°46'
89°30'
89°
88°30'
88°
87°30'
87°
86°30'
86°01'
31°37'
31°30'
31°
30°
29°15'
173
138
120
210
67
243
30
300
217
220
130
160
83
40
318
64
340
360
353
280
231
310
100
180
77
45
50
58
79
96
4000
3000
2000
OLF'S TO NAAS. BARIN
NO 10 + CANAL ------- 36 H
NO 11 + MAGNOLIA ----- 29 H
NO 12 + SILVERHILL ----- 30 H
NO 13 + SUMMERDALE ---- 29 H
NO 14 + WOLF -------- 30 H
OLF'S TO NAAS. WHITING
+ BREWTON ----- 40 H
NO 16 + CHOCTAW ----- 40 H
NO 17 + HOLLEY ------ 36 H
NO 18 + SANTA ROSA --- 45 H
OLF'S TO NAAS. ELLYSON
NO. 19 + BAGDAD ----- 18 H
NO. 20 + SPENCER ----- 16 H
AUX'S TO EGLIN
+ NO. 1 -----40
+ NO 2 -----40H
+ NO. 3 -----40H
+ NO. 4 -----42H
+ NO 5 -----40H
+ NO. 6 -----40H
+ NO. 7 -----40H
+ NO. 8 -----50H
+ NO. 9 -----50H
● DESIGNATED RADIO FIX
COM-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES OR STOCK OF RADIO LEGS IDENTIFY "R" BOARDARYS.
R: EXTREMELY HAZARDOUS
D: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

MOBILE

ALABAMA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARIN FIELD NAAS(Foley) East Field	3295(142.74)	CN	3105;142.74
BARIN FIELD NAAS(Foley) West Field	3295(142.74)	CN	3105;142.74
BROOKLEY FIELD(Mobile)	281 (126.18)+	CA	(4); 126.18
CANOE FM	(. - - - -)	FM, 310°, 24.9	Whiting NAAS
EVERGREEN (Middleton)	382(EN)(116.1)	MHVT	(4);116.1
MOBILE (Brookley)	248(MS)(116.1)	SBRAZ-VDT;138°, 3	(4);116.1

FLORIDA

COREY FLD NAAS(Pensacola)	341(142.74)	CN	3105;142.74
CRESTVIEW	350 (HW) 116.1)	SBRAZ-VDT;264°,2.6	(4);116.1
EGLIN (Valparaiso)(Army)	209 (DVQ)	MSLPZ	(Voice 6-24)(3);126.18
Eglin Field	278(126.18)+	CA;180°,4	(3);126.18 (6-24)
ELLYSON FLD NAAS (Pensacola)	3295(142.74)	CN	3105;142.74 (8-16)
GULF FM	(-)	FM, 51°, 31.2	Pensacola
LIVE OAK FM	(- -)	FM, 160°, 6	Pensacola
MOLINO FM	(- - - -)	FM, 340°, 21.4	Pensacola
PENSACOLA	326(KH)(116.1)	SBRAZ-VDT;340°,2.1	(4); 116.1
Pensacola-Chevalier NAS	382 (142.74)	CN	(4);142.74(sunrise-30 mins after sunset.
Pensacola-Chevalier NAS (Seaplane)	2870(142.74)	CN	3105;142.74 (730-1630 except Sat,Sun. & holidays).
SAUFLEY FLD NAAS (Pensacola)	275 (142.74)	CN	3105,4495;142.74
WHITING (Milton)(Navy)	524 (AWT)	MRLZ	
Whiting Fld NAAS(North)	269 (142.74)	CN;130°,3.2	3105,4495;142.74
Whiting Fld NAAS(South)	3295(142.74)	CN	3105;142.74(7-22)

MISSISSIPPI

KEESLER(Biloxi)(Army)	221 (BDX)	MRLZ	(4); 4220
Keesler Field	201 (126.18)	CA; 210°, 2.9	(4); 4220

S-Simul. Range and Voice; W-Without Voice; T-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. frequents on and guards 116.1, 127.88, 140.58 mcs.

AIRPORTS

ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Andalusia	1.7 SSE;RR N	340	18 S1	80 oct.
* Atmore Int,16,NO-AG	6 NW;at rd int	287	31 L3	
(N) Barin NAAS-East(Foley)	2.7 ESE	51	41h R1 L1 S4	91 oct.
(N) " " -West(Foley)	2.7 ESE	72	34h R1 L1 S4	91 oct.
BATES (MOBILE)	10 W;rd N,S	214	50h S6	80,91 oct.
Brewton (old)(NC)	2.5 N;hwy E	100	23	UNUSABLE.
(P) " (new)	3.5 S;riv N	92	40h	
(A) Brookley (Mobile)(A)	3 SSW;RR NW	26	89h R2 L5 S4	62,73,91,100oct.JP-1
(N) Canal OLF (Foley)(N)	8 S;rd W	16	36h	
Chastain's(Prichard)	2.5 NW;RR E	50	17 S1	80 oct.
Davis (Mobile)	12.1 WSW;RR E	180	23 S1	73 oct.
(N) Faircloth (Lillian)(N)	3 NW; bay E	70	37	
(N) Kaiser's Tract OLF (Elberta) (N)(NC)	3.3 ENE;hwy S	90	25	
(N) Magnolia OLF (Foley)(N)	5.4 NW	83	29h	
(P) Middleton (Evergreen)	6 WSW; hwy N	258	40h R1 L5	Fld lgts prior req.
St. Elmo	1 WSW; RR S	130	50h	
(N) Silverhill OLF (N)	3.5 WNW	129	30h	
(N) Summerdale OLF (N)	3.5 ENE;RR W	129	29h	
(N) Wolf OLF (Josephine)(N)	1.5 N; bay W	54	30h	

h-hard surfaced runways., R-radio facilities. L-lighting facilities. S-servicing.(See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(N) Bagdad OLF (Pensacola)	14 NE;RR SE	111	18h	Use runys.(N)
(N) Bronson NAAS(Pensacola(N)	12 WSW;bay W	27	44h	INACTIVE.
(N) Choctaw OLF (Pensacola)	15 ENE	111	40h	(N)
Crestview,21,NO-JX	2.5 N;RR E	274	33 R1 L2 S6	80 oct. No sto.
De Funiak Springs	1 W;RR N	197	25 S1	80 oct. Pwr line N.
(A) Eglin (Valparaiso)(A)	1.8 SW;hwy SE	54	80h R2 L5 34	73-100 oct. JP-1. No sto.
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
(N) Ellyson NAAS(Pensacola)	7.5 NNE;bay E	115	38h R1 L S6	73,91 oct.E and W flds.CLSD.(N).
Gulf Airpark (Pensacola	3 NW		17	Data not verified. (NC)
(N) Helm OLF (Pensacola)(N)	12 NW	100	54	(NC)
(N) Holley OLF (N)	1.5 S;riv N	37	36h	
Milton "T" (NC)	3.5 ENE;RR S	150	53 S3	80 oct.
(P) PENSACOLA	4 NNE;bay E	121	50h R1 L5 S6	80,91 oct.
(N) " NAS (Chevalier)(N)	5.3 SW;RR W	9	26h R1 L S6	91 oct.Flood,obst lgts.
(N) " NAS (Corry)(N)	5 WSW;hwy SE	33	43h R1 L4 S6	91 oct.Obsts N,E,W.
(N) " OLF #1 (N)(NC)	14 NW;riv 3 W	100	46	
(N) " OLF #5 (N)(NC)	10 NNW;RR W	115	57	
(N) " OLF #6 (N)(NC)	10 NNW;RR E	110	48	
(N) " OLF #7 (N)(NC)	7 NW	103	37	
(N) " OLF #8A (N)(NC)	13 NW	100	73	
(N) " OLF #9K (N)(NC)	11.5 NNW;RR E	110	50	
(N) Santa Rosa OLF (Milton)	6 E;rivs N,S,W	150	45h	(N)
(N) Saufley NAAS (Pensacola)	8.5 WNW;bay SW	85	61h R1 L5 S4	87,91 oct. (N)
(N) Spencer OLF (Pensacola)	15 NNE;bay S	145	18h	(N)
(N) Whiting NAAS-North (Milton)(N)	6 N	200	60h R2 L6 S4	73,91,100 oct.
(N) " " -South (Milton)(N)	5 N	178	60h R1	Use N fld. INACTIVE.

MISSISSIPPI

Ellisville (NC)	1.3 SW;RR SE	240	18	
Glendale(Hattiesburg)	5 NNW;hwy E	200	26 S3	80 oct.
Gulfort	3.4 NE	26	70h	
" mun.	1.3 N;RR E	30	22 L1 S1	80 oct.Twrs SE,NNE,lgtd.
Hattiesburg	5 SSE;RR SW,NE	145	43h	Poles W,NW
Jackson Co.(Pascagoula)	3.5 ENE;RR N	16	45h L5 S6	80,91 oct.
(A) Keesler (Biloxi)(A)	2 WNW;bay N	21	66h R2 L5 S5	73,91,100 oct.Rdo rqd ngts.
McLaurin	1 NNE;RR W	350	24 S4	73 oct.Lgt acft only.
Picayne	2.3 NNE	92	30 S4	73 oct.No sto.Trees N,SW.

TALLAHASSEE

RADIO

ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DOTHAN	233(NI)(116.1)	SBRAZ-VDT,47°,3.7	(4);116.1

FLORIDA

CROSS CITY	269 (FC)(116.1)	SBMRAZ-VDT,315°,2.7	(4), 116.1
→ DALE MABRY FLD (Tallahassee)	281 (126.18)(118.3	C, 85°, 2.7	(4), 126.18, 118.3.131.9
TALLAHASSEE (Dale Mabry Fld)	335 (TJ)(116.1)	SBRAZ-VDT,85°,2.7	(4), 116.1
TYNDALL (Panama City)(Army)	203 (DKE)	BMRLZ	Voice 8-23. (3); 126.18
Tyndall Field	272 (126.18)	CA, 313°, 3	(3), 126.18 (6-24)

GEORGIA

ALMA (Int.)	242 (AJ)(116.1)	SBRAZ-VDT,144°, 2.2	(4), 116.1
TURNER LFM (Army)(NC)	(- - -)	FM,202°,11.6	Albany (On req)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
DOTHAN	2.5 WNW	322	40h R1 L5	
Enterprise	0.5 NE	355	22	
Headland	2 NE,hwy N	350	48	
Napier (Dothan)	7.5 NW,RR S	396	45h	
(A) Ozark AAF (A)	12 SSW	305	46h	INACTIVE
Southern Airmotive	2 SE,RR W	322	27 S4	80 oct. Twr NW. (Dothan)

FLORIDA

→ (A) Alliance #4 (Mariana)(A)	14 SE	215	50h	C-L-O-S-E-D.
(A) Apalachicola AAF (A)	2 W,RR N	19	53h	INACTIVE
Bascom (Mariana)	15.5 NE	120	50h	
Carrabelle Flgt Strip	2.6 W,hwy S	20	40h	
Chipley	1.5 SE,hwy N	100	24 S1	80 oct.Trees around fld.
Cross City	1 SE,RR SW	42	50h R1 L5	No beacon
DALE MABRY (Tallahassee)	3 W, RR S	70	52h R2 L5 S4	80, 91 oct.
Ellis (Mariana)	9.5 N,riv W	116	50h	
Jasper ,43,NO-JX	3.5 SSE,RR NE	143	36 L3	Poles W.Power line NE.
John H. Alison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct. Lgts prior req.
(N) Lake Butler OLF (N)	2 SSW,RR NW	131	60h L	
Lake City	3.7 ESE,RR S	200	60h	
Lake Jackson(Tallahassee	9 NNW,riv NW	250	30 S4	80 oct. No sto.
Live Oak	1 W,RR W	105	26 S1	80 oct. Pole line N,NE,SW. Hwy N.
Malone #2 (Mariana)	15.5 N	154	50h	
Mariana	6 NE,hwy E	112	50h L5 S4	80 oct.Fld lgts prior req.
Montbrook (Williston)	3.2 SSW,hwy E	70	70h	
Monticello (NC)	1.5 SW,hwy E	160	25	
Panama City	5 NW,bay N,S,W	5	19 S6	80 oct.

FLORIDA

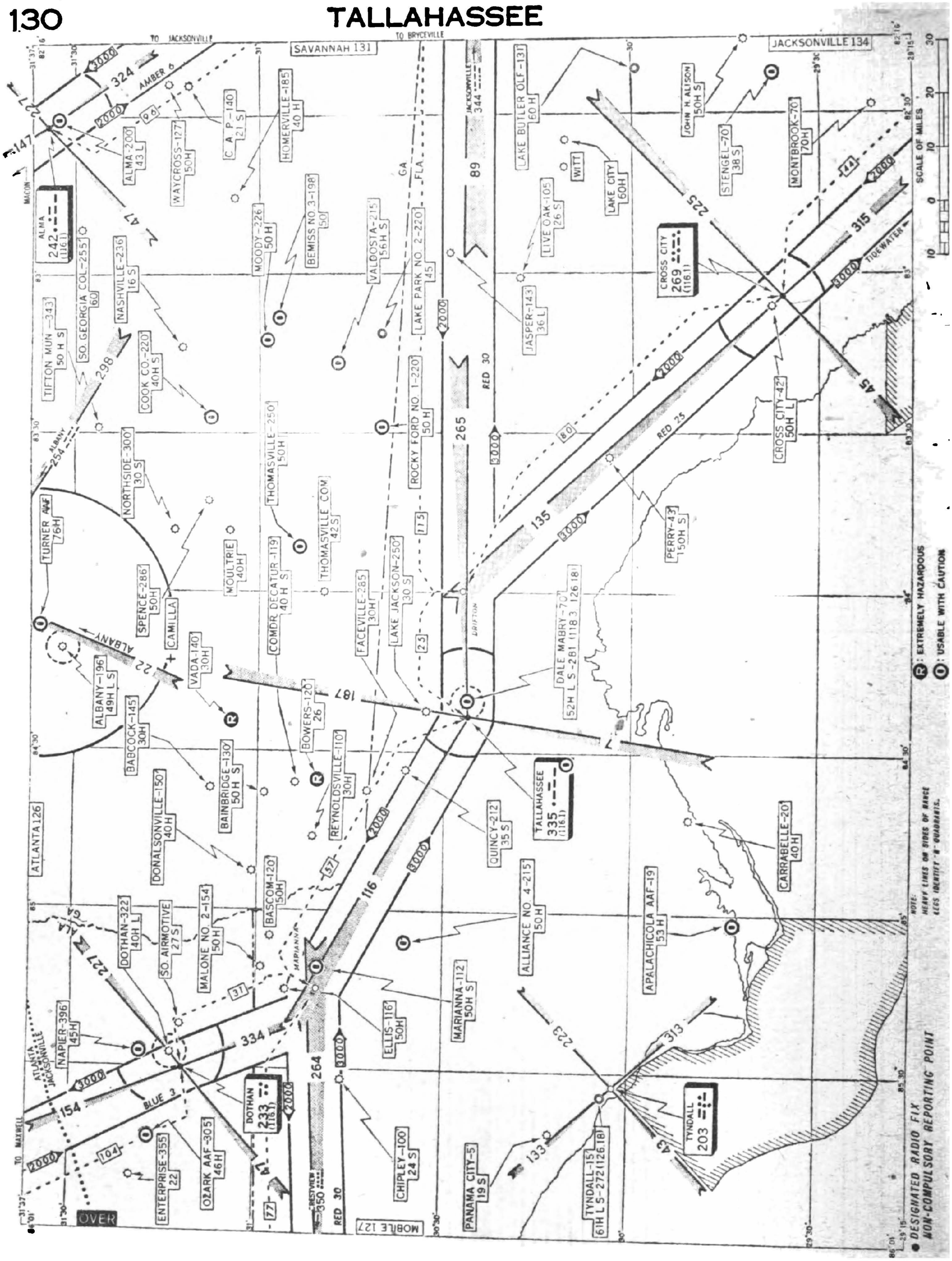
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Perry	2 S; RR E	43	50h S2	80,91 oct.
Perry Municipal	0.5 NE	43	20	Trees NE,SW.
Quincy	1.5 NE,RR S	212	35 S1	80 oct.
Stengel(Gainesville)	4 WSW,RR SE	70	38 S6	80 oct. Trees around fld.
Tennile (NC)	2.2 SSW;rd E	35	20	Trees SW Road E.
(A) Tyndall (Panama City)	8 SE	15	61h R2 L5 S6	73,91,100 oct. Gulf of Mexico SW. (A)
Witt (Lake City)	2 WSW;hwy S	200	36 S4	80 oct. No sto.

GEORGIA

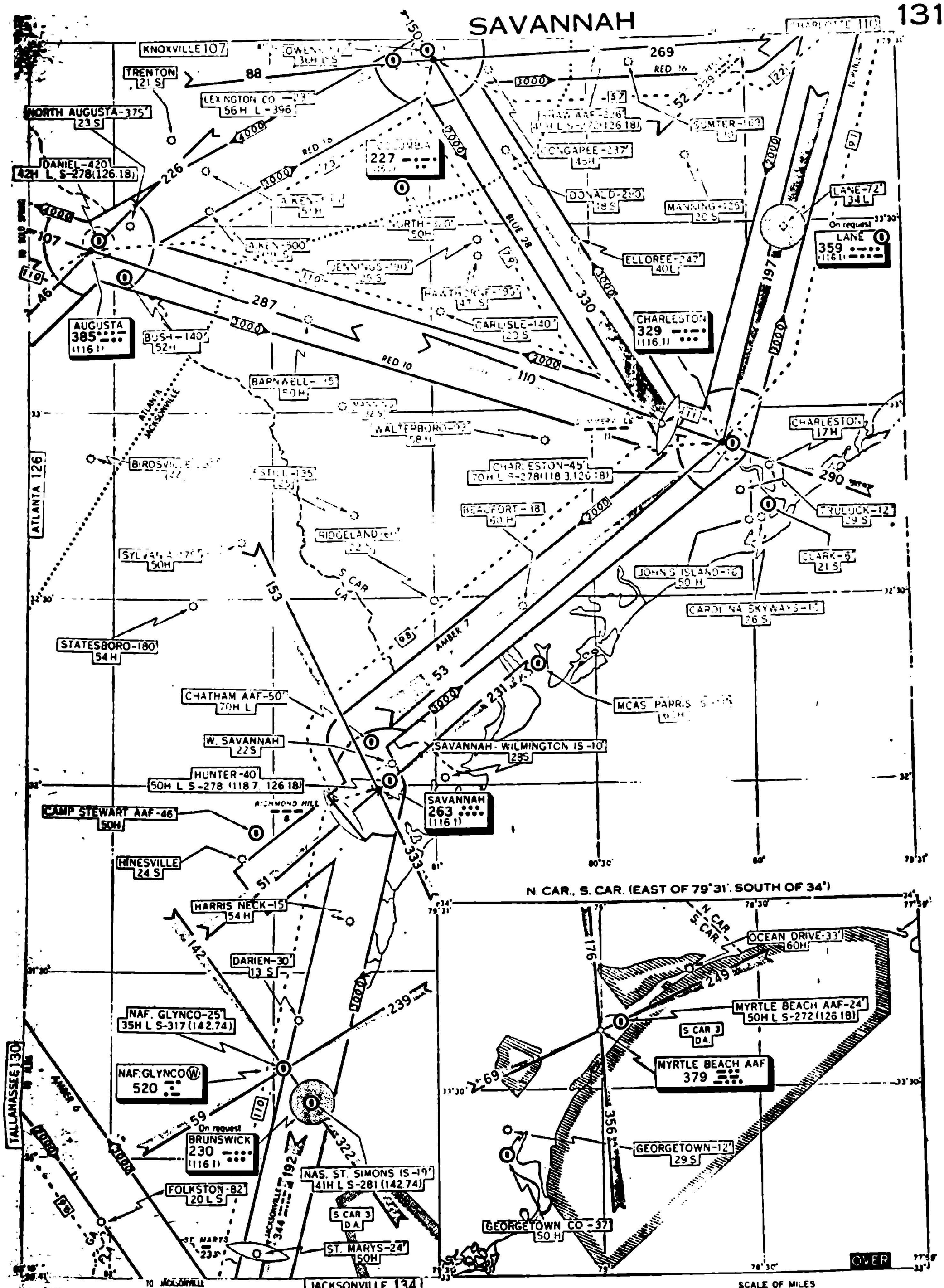
(P) ALBANY	4 SW, RR N	196	49h R1 L5 S6	80, 91 oct.
* Alma Int,43,MM-AG	2.5 W,hwy N	200	43 R1 L3	
Babcock(Bainbridge)	3.5 ENE Boykin	145	30h	
Bainbridge	7 NNW,RR NE	130	50h S6	80, 91 oct.
(A) Bemiss #3 (Valdosta)(A)	12 NE,hwy SE	198	50	INACTIVE
Bowers (Bainbridge)	4.5 S,rd W	120	26	Trees sur fld. Closed. High weeds.
Camilla	0.7 NW		22 S1	80 oct. Data not verified.
Civil Air Patrol (Waycross)	2.6 WSW,RR SE	140	21 S1	80 oct. Obsts surround fld.
Commodore Decatur	2 W,riv S	119	40h S1	80 oct. (Bainbridge)
Cook County (Adel)	1.3 W,hwy NE	220	40h L3 S6	80, 91 oct.
Donalsonville(Bainbridge)	1 S Donalsonv'l	150	40h	
Faceville(Bainbridge)	3.5 S Faceville	285	30h	
Homerville Flgt Strip	2.5 NW,hwy NE	185	40h	
(A) Lake Park #2(Valdosta)	12.5 SSE,hwy N	220	45	INACTIVE (A)
(A) Moody (Valdosta)(A)	11.5 NNE,RR W	226	50h	INACTIVE
Moultrie	7 S,hwy NW	287	40h	
Nashville	1.3 ENE,RR S	236	16 S6	80 oct.
Northside (Moultrie)	3.2 NNW,RR W	300	30 S4	80 oct. No sto.
Reynoldsville (Bainbridge)	1.7 SSW Reynoldsville	110	30h	
→ (A) Rocky Ford #1 (A)	16 SW,hwy N	220	50h	C-L-O-S-E-D.(Valdosta)
South Georgia College	1.3 S,RR W	225	60	(Douglas)
Spence (Moultrie)	5 SE,hwy W	286	50h	
(P) Thomasville	8.5 ENE,hwy S	250	50h	
Thomasville, com.	1 SW,RR N	250	42 S4	80 oct.Trees sur fld.
Tifton Mun.	2.3 SE,hwy W	343	50h L5 S4	80,91 oct. Lgts prior req.
(A) Turner (Albany)(A)	3.8 ENE,riv N	212	76h	INACTIVE.
Vada (Bainbridge)	3 NE of Vada	140	30h	
→ Valdosta	2.5 S,hwy E	215	56h S1	80 oct.
(P) Waycross	4 NW,hwy E	127	50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X(11))(NC)-Not charted. → NEW OR REVISED DATA

TALLAHASSEE



SAVANNAH


KNOXVILLE 107
TRENTON 21 S
NORTH AUGUSTA-375' 23 S
LEXINGTON CO 56 H L-396
DANIEL-420 42H L S-278(126.18)
AUGUSTA 385 (116.1)
BUSH-140' 52H
BARNWELL-45' 50H
WALTERBORO-92' 58 H
BIRDSVILLE-122'
STILL-135' 29 S
RIDGELAND-61' 22 S
SYLVANIA-175' 50H
STATESBORO-180' 54 H
CHATHAM AAF-50' 70H L
W. SAVANNAH 22S
HUNTER-40' 50H L S-278 (118.7 126.18)
CAMP STEWART AAF-46 50H
HINESVILLE 24 S
HARRIS NECK-15 54 H
DARIEN-30' 13 S
NAF. GLYNCO-25' 35H L S-317 (142.74)
NAF. GLYNCO (W) 520
BRUNSWICK 230 (116.1)
FOLKSTON-82' 20 L S
ST. MARYS-24' 50H
JACKSONVILLE 134
NAS. ST. SIMONS IS-19' 41H L S-281 (142.74)
S CAR 3 DA
SAVANNAH 263 (116.1)
SAVANNAH-WILMINGTON IS-10' 23S
MCAS PARRIS IS
CHARLESTON-45' 20H L S-278(118.3 126.18)
BEAUFORT-18 50 H
CHARLESTON 329 (116.1)
CHARLESTON 17H
JOHNS ISLAND-16' 50 H
CAROLINA SKYWAYS-16' 26 S
CLARK-6' 21 S
PRULUCK-12' 29 S
LANE-72' 34 L
LANE 359 (116.1)
CONGAREE-237' 45H
DONALD-290' 18 S
MANNING-125' 20 S
ELLOREE-247' 40 L
SUMTER-183' 20
CHARLESTON 110
ATLANTA 126
ATLANTA JACKSONVILLE
BLUE 28
AMBER 7
S CAR CA
RED 10
RED 16
On request
MYRTLE BEACH AAF-24' 50H L S-272 (126.18)
MYRTLE BEACH AAF 379
GEORGETOWN-12' 29 S
GEORGETOWN CO-37' 50 H
OCEAN DRIVE-33' 60H
N CAR-S CAR
TALLAHASSEE 130
269
88
226
107
287
110
153
53
231
333
51
142
239
59
192
322
69
176
249
356
197
290
N. CAR., S. CAR. (EAST OF 79°31', SOUTH OF 34°)
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE
HEAVY LINES ON SIDES OF AIRWAYS AREAS IDENTIFY IR QUADRANTS.
SCALE OF MILES
10 0 10 20 30
OVER

RADIO — GEORGIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA (Daniel)	385 (VD)(116.1)	SBRAZ-VDT,46°,2.1	(4), 116.1
BUSH FIELD (Augusta)	301	CA	(4) (8-sunset)
BRUNSWICK	230 (BS)(116.1)	MHVT	(4), 116.1
GLYNCO (Navy)	520 (NEA)	MRLWZ	
Glynco NAF-LTA	317 (142.74)	CN,239°, 0.3	3105,4495; 142.74 (8-17)
HUNTER FIELD (Savannah)	278 (126.18) (118.7)	AC	(4): 131.9,126.18, 118.7
RICHMOND HILL FM	(- - -)	FM, 231°, 8	Savannah
ST. MARYS FM	(-)	FM, 12°, 23	Jacksonville, Fla.
ST. SIMONS ISLAND NAS	281 (142.74) (140.58)	CN	(3):142.74,140.58 (630-24)
SAVANNAH (Hunter)	263 (SH)(116.1)	SBMRLZ-VDT,51°,2.3	(3): 116.1
DANIEL(AUGUSTA)	278(126.18)	C	(4)·126.18 (8-24)

SOUTH CAROLINA

CHARLESTON	320 (CS)(116.1)	SBRAZ-VDT	(3), 116.1
Charleston Airport	278 (126.18) (118.3)	AC(ILS):110°,1.9	(4), 131.9,126.18,118.3
COLUMBIA (Owens Field)	227 (CI)(116.1)	SBRAZ-VDT,330°,1.8	(4), 116.1
LANE (Intermediate)	359 (LX)(116.1)	MHVT	(4), 116.1
MYRTLE BEACH (Army)	379 (DMB)	BMRAZ	
Myrtle Beach AAF	272 (126.18)	CA, 69°, 4.4	(3), 126.18
SHAW FIELD (Sumter)	272 (126.18) +	CA	(3), 126.18 (7-24)
SUMMERVILLE FM	(- - - -)	FM, 296°, 10.7	Charleston
[illegible] CO.ARPT(Columbia)	396	C	(4)(8-22)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. YEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
Charleston, S.C.	110.9	335	150° Mag.		MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 31175 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army & C.S. transmits on and guards 116.1, 137.88, 240.58 mcs.

AIRPORTS — GEORGIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Birdsville (Millen)	9.4 WNW;riv S	200	22	
→ Bush (Augusta)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville) (A)	3 NE;hwy SW	46	50h	INACTIVE
(A) Chatham AAF (Savannah) (A)	7.5 NW;RR E	52	70h L5	INACTIVE
DANIEL (Augusta)	2.5 W;RR S	420	42h R2 L5 S4	80, 91 oct. No sto. Use rnwys only
Darien	0.8 SE;riv S	30	13 S1	Ltd 80 oct. Trees W.
★ Folkston Int,37,MM-AG	0.7 WNW;hwy E	82	20 L3 S1	80 oct. on req.
(N) Glynco NAF (LTA)(N)	6.4 N;hwy SE	25	35h R2 L5 S4	91, 100 oct.
Harris Neck	7 E of So Newport	15	54h	
→ Hinesville	3 S; hwy W	55	24 S4	80 oct. No sto. Rdo repairs.
HUNTER (Savannah)	3.5 SW;RR yd NW	42	50h R2 L5 S6	80, 91 oct.
St. Marys	1.7 NNW;hwy S	24	50h	
(N) St. SIMONS ISLAND NAS (N)	6 E Brunswick	19	41h R2 L5 S4	100 oct No sto. Lgts on req Trees NE,W
Savannah-Wilmington (Savannah)	8 ESE; hwy N	10	28 S6	73 oct. Trees NE,SW.
Statesboro	3.8 NE;hwy W	180	54h	
Sylvania	7.5 SSE;hwy E	175	50h	
West Savannah(Savannah)	3 W; RR W,N	42	22 S6	80 oct. Pole line NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) [NC]-Not charted. → NEW OR REVISED DATA

GEORGIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS

SOUTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aiken (old)	2 E; RR NNE	500	19 S4	80 oct. Trees SSW.
Aiken (new)	6 NNE; RR SW	530	51h	
Barnwell	1 WNW;hwy E	235	50h	
(P) Beaufort	4 NW	33	60h	
Carlisle (Hamberg)	4 SSE;riv NE	140	20 S4	80 oct. No sto.
Carolina Skyways (Charleston)	6 SSW;riv W	10	26 S4	80 oct.
(A) CHARLESTON (mun.)	9.8 NW;RR NE	45	70h R3 L6 S4	100 oct
(N) Charleston (N)	4 N; riv E	13	17h	[illegible]
Clark (Charleston)	4 S;riv SW	6	21 S1	80 oct. Trees surround fld.
Congaree (Columbia)	15.5 ESE;RR S	237	45h	
Donald (St.Matthews)	2.5 NNE; RR S	230	18 S1	Ltd 80 oct. Trees SE.
★ Florence Int,25,AG-CS	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill	2.5 SSW;RR E	135	25	
Georgetown	1 NW;riv E	12	29 S6	80,91 oct.
(P) Georgetown County	4 S;bay E	37	50h	
Hawthorne(Orangeburg)	5 S; RR E	195	47 S6	80, 91 oct. Tank N.
Jennings (Orangeburg)	2.3 S; RR E	190	25 S2	80, 91 oct. Pole line NE.
John s Island (Charleston)	7 SSW; rd W	16	105	
★ Lane Int,24,JX-RW	3 S;RR W	72	24 P1 L3	
Manning (Allendale)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning	1.5 S;RR NNE	125	20 S1	Ltd 80 oct.
(A) Myrtle Beach AAF(A)	3 WSW;hwy SE	24	50h R2 L5 S6	73,91,100 oct. No sto.
(A) North (A)	1.5 S;hwy N	320	50h	INACTIVE
North Augusta	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive (Wampee)	3.5 SE;hwy SE	23	60h	
OWENS (Columbia)	2.5 S; RR SW	192	56h R1 L4 S6	80 oct. Twr WSW, twr lgt
(N) Parris Island MCAS	1.5 S	11	60h	INACTIVE (N)
Ridgeland	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
(A) Shaw (Sumter)(A)	7 WNW;RR W	236	49h R1 L5 S6	73, 91, 100 oct. JP-1
Sumter	1.5 NW; RR S	169	30	
Trenton	1 2 E;RR 1 SE	480	21 S1	80 oct.
Truluck (Charleston)	5.5 W;RRs N	12	29 S6	80 oct. Poles surround fld.
(P) Walterboro	1.3 NE;hwy SE	93	58h	
(A)Lexington Co (Columbia)	7 SW; RR SE	233	56h R1 L5	

RADIO

LOCATION	FREQ. IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARD HRS. OF OPER., REMARKS
BANANA RIVER (Navy)	524 (NPB)	MRLZ	(3)
Banana River NAS	224 (142.74)	CN,106°,4.8	(3), 142.74
BAYARD FM	(- - -)	FM, 158°, 19	Jacksonville
BRYCEVILLE FM	(- - - -)	FM, 269°,20.2	Jacksonville
CECIL NAAS (Jacksonville)	201 (142.74)	CN	3105;142.74 (flying hrs)
DAYTONA BEACH	236(DB)(116.1)	BMLZ-VDT,101°, 2.1	(4), 116.1
DREW FIELD (Tampa)	317 (126.18) (118.5)	AC	(4),126.18,118.5,131.9
FORT GEORGE ISLAND FM	(- -)	FM,89°,10.25	Jacksonville
JACKSONVILLE	344(JX)(116.1)	SBRAZ-VDT	(3); 116.1
Jacksonville Arpt No. 1	278 (126.18) (118.5)	AC, 269°, 1.7	(4); 131.9,126.18,118.5
→ Jacksonville NAS	365(NIP)	MRLZ	
Jacksonville NAS	323 (126.18) (142.74)	CN;89°,3.1	(3);126.18,142.74
Jacksonville NAS	3295	CN	3105 (Seaplane)
MacDILL (Tampa) (Army)	1742 (TM)	H	
→ MacDill Field	227 (126.18)+	CA	(3), 126.18
MAYPORT CGAS	142.74	CN	3105;140.58,142.74
MELBOURNE (NC)	257 (OU)(116.1)	SBRAZ-VDT,158°, 2.2	(4); 116.1 (On req only)
NORTH TAMPA FM	(- - - -)	FM, 355°, 10.1	Tampa
ORLANDO	206(OR)(116.1)	BMRLZ-VDT	(3), 116.1
→ Orlando Arpt.	278 (126.18) (118.7)+	C, 220°, 3.4	(4),118.7,131.9,126.18
PINELLAS (St. Petersburg)	272(118.3)	CI	(4)- 131.9 (8-24)
RUSSELL (Navy) (Fleming OLF)			DECOMMISSIONED
→ TAMPA (Peter O. Knight Arpt.)	388 (TM)(116.1)	SBRAZ-VDT,550, 2.6	(4), 116.1
VERO BEACH NAS	242 (VB)(116.1)	MHVT	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. SEAC	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)

‡ Beacon. Ranges and Mixed: W-Without Voice; Z-VHF Range Station Location Marker (3)-3105, 6495, 6210 kcs. (4)-3105, 6495, 6210, 3117.5 kcs. Aeronautical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 117.85, 140.58 mcs.

AIRPORTS

ARPT.-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P)Albert Whitted (St. Petersburg)	2.5 E,bay E	6	33h L3 S6	80,91,100 oct.Coast Gd. Sta.adj. Poles,stack NW,SW.
Petersburg (NC)				
Altoona (NC)	0.6 NW,RR E	155	25	Trees ends strips.
Avon Park	1.5 W,RR E	127	40h S1	80 oct.Trees SE.
(A)Avon Park AAF(A)	11 ENE,lake NW	65	54h	INACTIVE. Lgts
(N)Banana River NAS	11 SE,Cocoa	9	40h R2 L5 S6	91 oct.No bcn. (N) on req.
Barberville (NC)	1 SE,bet RR& rd	25	25	Pole line E.UNUSABLE.
Bartow	5.5 NE,RR NW	128	50h L5 S2	80,91 oct.
Bostwick (NC)	1 NW,RR E	53	34	
Bradenton	0.5 S,RR NE	20	24 S1	80 oct.Trees W.Poles SW
(N)Branan OLF(Jax)	14.5 SW	73	40h L	B-2 lgts.
Brooksville	7.5 SW,hwy E	70	70h	
Bushnell	2.8 NE,hwy S	82	60h	N-S rnwy unusable.
Cannon Mills (Orlando)	3.8 E,hwy N	105	41 S6	80 oct.No sto.Poles sur fld.
(N)Cecil NAAS (Jacksonville)(B)	16 WSW,hwy NW	80	50h R2 L5 S4	67,91 oct. Trees sur.fld
Cedar Keys (NC)	1 W,bay S	6	34h	
Clearwater	2.5 NE,hwy S	75	30 S6	80 oct.No sto.Trees W.
Cocoa	1 N,RR E	30	26 L1	Pole line E.trees S,W.
Craig (Jacksonville)	9 E,riv N	41	40h L5 S6	80,91 oct. No sto.
Daytona Beach	2.8 SW,hwy S	34	41h R1 L5 S6	80, 91 oct.
Deland	2.5 NNE,hwy S	80	60h L5 S1	37,91 oct.
Deland-Orange City (Orange City)	1 SW,riv W	90	26 S1	80 oct. Pole line E.
Drew (Tampa)	5 W,bay SW	26	70h R1 L5 S6	80, 91 oct.Rdo rec req
Dunnellon	4.5 E,hwy S	63	50h	
Ellenton	1.5 NNW,RR N	13	15	Pole line NE,trees SW,
(P)Fernandina	4 S,ocean E	16	50h	
(N)Flemings Island OLF (Jacksonville) (N)	17.5 SSW	23	40h L	B-2 lgts.
Ft. Pierce, com.	3.3 SSE,RR E	18	26 L1 S6	80 oct.Pole line W.
(P)Ft. Pierce, mun.	3.5 NW,hwy E	24	50h	
Frank D. Waterman (Eustis)	0.9 SSW,lake NNW	81	23 S1	80 oct.Poles SW,N,W.
Gilbert (Winter Haven)	3.5 NNW,lake W,E	135	40h S6	80, 91 oct.
Gray's (Leesburg)	5 N,RR,hwy W	130	27 S6	80 oct.Orange groves W.
Haines City (NC)	1 NW	175	20 L1	
Hart (Jacksonville)	6.5 W,RR N	20	40 S6	80,91 oct.Trees sur fld
Hawthorne	1.2 SSE,RR W	120	24 S1	Ltd 80 oct.Trees S,W,NE
Hendricks (Sebring)	6.5 ESE,RR N	62	50h	
Herlong (Jacksonville)	10.5 WSW	87	40h	
Hidden Acres (Clarcona)	1.5 WNW,lake W	93	25 S6	80 oct.Trees E.
Hillsborough (Tampa)	7 NNE	50	50h	
Hoequist(Orlando)	3.8 SW,bet lakes	90	20 S4	80 oct.No sto.Trees E.
(N)Jacksonville NAS(N)	7.2 S,riv E,N	20	60h R1 L5 S6	91, 100 oct. NATS.
(A)Jacksonville No. 1	6.3 N,RR W	52	70h R2 L5 S4	80,91 oct;100 oct,JP-1 for Army.
John H. Alison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct.Lgts prior req.
(P)Kay Larkin(Palatka)	3 WNW,RR N	56	50h L5 S1	91 oct.
Kerlin (Minneola)	0.5 NE	100	18 S2	80 oct.
Keystone (Keystone Heights)	4.5 NNW,RR W	192	50h	
Kissimmee	2 W,RR N	65	50h	
(N)Lake Butler OLF(N)	2 SSW,RR NW	131	60h L	
Lake City	3.7 ESE,RR S	200	60h	
Lakeland	4.5 SW,RR NE	135	50h	
LAKELAND MUN. NO. 1	2.1 N,lake E	159	35h L5 S6	80, 91 oct.Ctc lgts on req till 2400
Lake Wales	2.3 WSW,RR N	225	40h L3 S6	80, 91 oct.
(N)Lee OLF (Green Cove Springs)(N)	2.2 SE,riv N	22	51h	INACTIVE.
(A)Leesburg AAF (A)	4 ENE,RR SE	67	50h L3	CLOSED.
Ludwig Sky Harbor (St.Petersburg)	6 NE,bay E	14	33 L1 S6	80 oct.
(A)MacDill (Tampa)(A)	8 SSW,bay NE	9	100h R2 L5 S6	73-100 oct. JP-1.No sto.
Malabar	7 WNW	27	40h	
(C)Mayport CGAS(CG)	0.6 NNE,riv N	19	43h R1	INACTIVE.
Melbourne	2.2 NW,RR E	26	43h R1	
(N)Middleburg OLF (N)	3 NNE,rds E, SE	34	32	
Montbrook(Williston)	3.2 SSW,hwy E	70	70h	
New Smyrna	3 NNW,RR W	12	50h	
(A)Orlando AAB(Arpt)	2.5 E,lake SE	106	55h R2 L5 S6	91; 100 oct.for military. No sto.
Osceola(Sanford)	10 SSE,lake SE	25	40h	
PETER O.KNIGHT (Tampa)	3.7 S,bay S,E, W	8	40h R1 L5 S6	91,80 oct Shipyard NE
(A)Pinecastle AAF(A)	3 ESE,lake NW	95	100h	INACTIVE.
PINELLAS CO MASTER	9.5 N,bay N	12	50h R1 L5 S6	80,91 oct.No sto. (St.Petersburg)
Piper-Fuller (St. Petersburg)(NC)	4.8 WNW,RR E	21	32	
Plant City	3 E,hwy N	172	53	
Robinson(Plant City)	1.5 WSW,RR E	110	18 S1	80,91 oct.Pole line ESE
Roseland(Sebastian)	1.7 W,riv N,E	23	40h	
Ryan (Apopka)	1 N,lake NW	104	28 S6	80 oct.
St.Augustine	4 NNW,hwy W	*10	42h S1	80, 91 oct.
Sanford	2.5 SE,lake N,S	*57	60h	
Sawyer (Palatka)	2.6 S,RR SE	60	25	Trees N,E,S. (NC)
Sebring	4 SW,lake NE	200	20 S1	80 oct.Pwr line SW.
Skyland(Lakeland)	1.9 WNW,RR S	170	23 S6	80 oct.No sto.Trees S.
Skyport (Dunedin)	1.5 N,RR E	4	26 S6	80 oct.No sto.Pole line NE
Spruce Creek(Deland)	16 ENE	25	40h	3.5 mi N Samsula
Stengel(Gainesv'l)	4 WSW,RR SE	70	38 S6	80 oct.Trees sur fld.
(N)Switzerland OLF (N)	1.5 SE	31	40h	
(P)Taylor (Ocala)	1 SW,RR NE	72	40h L3 S6	80,91 oct.Lgts and agt repairs prior req.
(P)Titusville-Cocoa (Titusville)	6 S,riv E	35	50h S6	80 oct. No sto.
* Titusville Int,20, MM-AG	1.3 NW,RR E	28	28 L3	
Tomoka (Daytona Beach)	7.8 NW	29	40h	
Valkaria (Melbourne)	8 SSE,RR E	26	40h	
VERO BEACH	1 NW,RR E	24	65h R1	
Wauchula (NC)	2.1 E,riv W	120	21	Trees N, E, NE.
(N)Whitehouse OLF (Jacksonville)(N)	13 W,RR S	102	40h L	B-2 lgts.
Wimauma (NC)	0.8 ESE,RR W	35	36	Cattle on fld.Bldg W.
Zephyrhills	1.5 ESE,RR W	92	50h	
Williams (Jacksonville)	3.3 WNW,RR E	25	31 S6	80 oct.No sto.Pole line E.Info unver.
Witt (Lake City)	2 WSW;hwy S	200	36 S4	80 oct. No sto.
→ Showalter Arpk (Winter Park)	2 E; RR S		25 S4	80 oct.No sto.Data unver

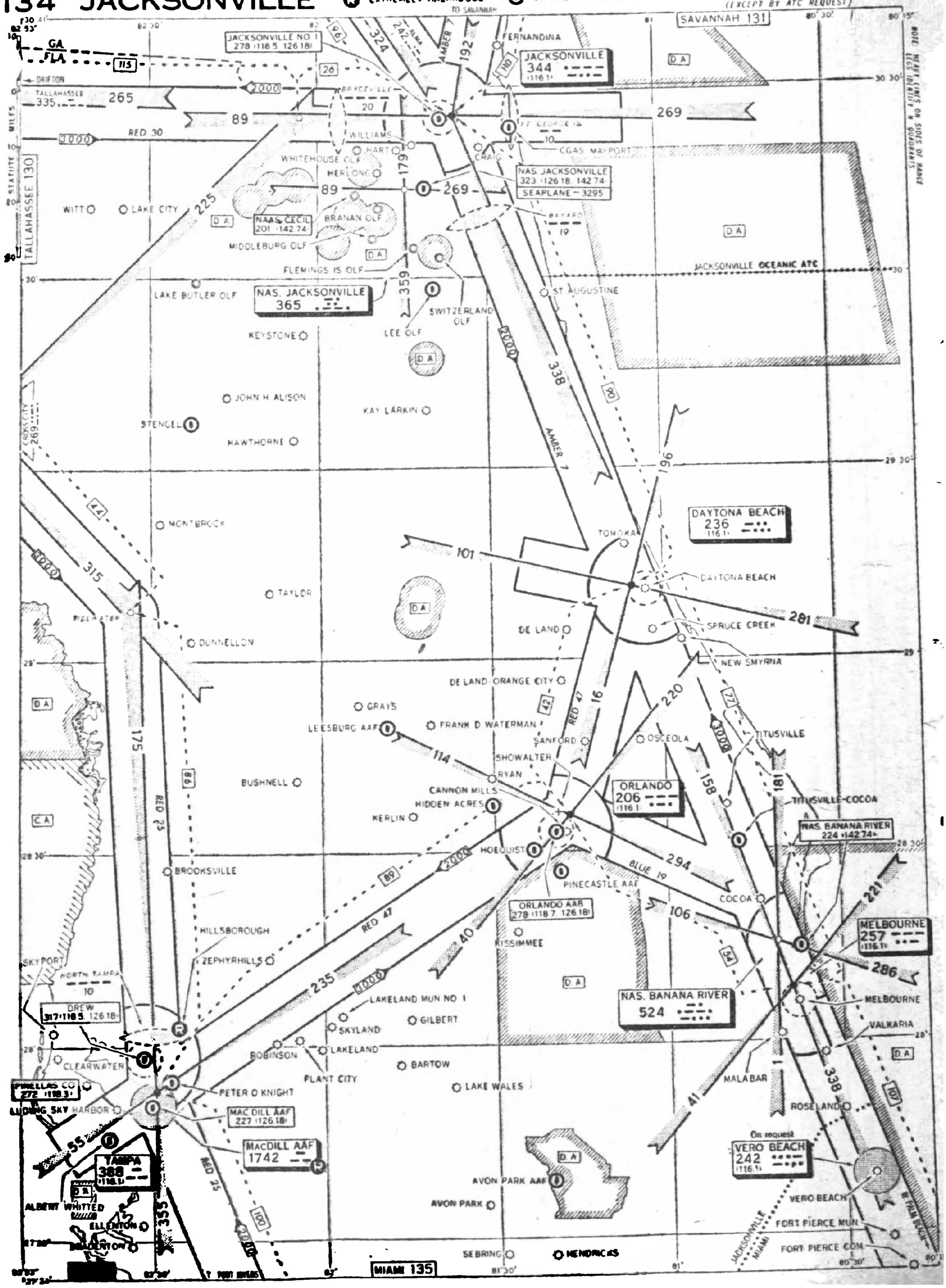
‡ Land, inland runways. R-radio facilities. L-lighting facilities. S-servicing. (See page 8111)(NC)-Not charted.

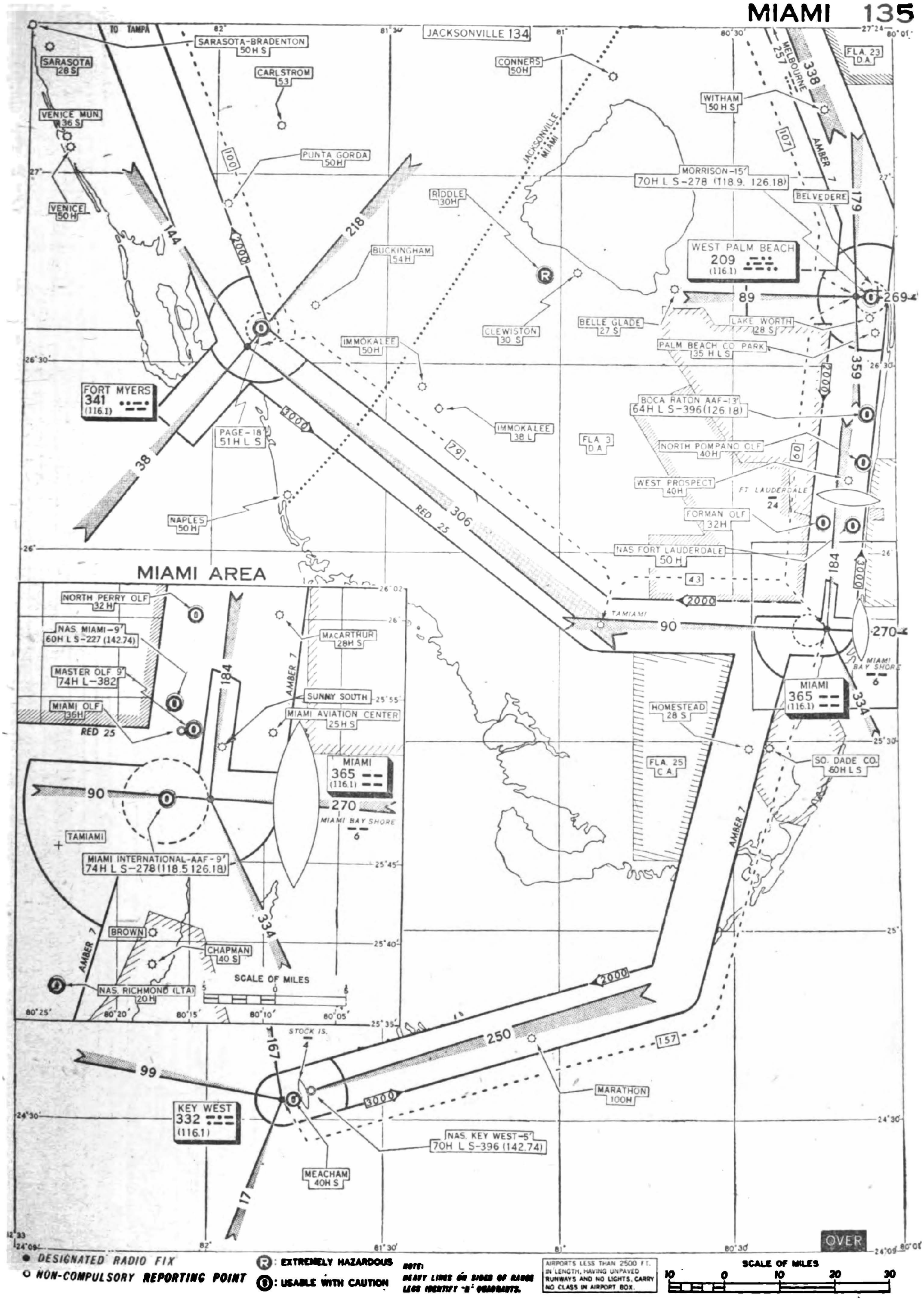
→ NEW OR REVISED DATA

134 JACKSONVILLE

R · EXTREMELY HAZARDOUS O · USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)





● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓑ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RADIO LEGS INDICATE "B" QUADRANTS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

SCALE OF MILES

10 0 10 20 30

OVER

RADIO — FLORIDA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOCA RATON AAF	396 (126.18)	CA	(3), 126.18 (6-24)
FORT LAUDERDALE FM	(-)	FM, 4°, 24.4	Miami
→ FORT LAUDERDALE NAS			DECOMMISSIONED.
FORT MYERS (Page)	341 (FM)(116.1)	SBRAZ-VDT,38°,3.6	(4), 116.1
KEY WEST	332 (KW)(116.1)	SBRAZ-VDT	(4), 116.1
Key West NAS	396 (142.74)	CN, 70°, 5.8	(3);142.74 (sunrise to sunset)
Key West NAS (Seaplane) (NC)	272 (142.74)	CN	3105,142.74 (prior req.)
MASTER OLF (Miami)	382	CN	(3); 142.74 (7-sunset)
MIAMI BAY SHORE FM	(- -)	FM, 90°, 6	Miami
MIAMI	365(MMM116.1)	SBRAZ-VDT	(3),116.1
Miami International Arpt.	278 (126.18) (118.5)	AC, 270°, 2.3	(4); 131.9, 126.18, 118.5
→ **Miami NAS**	**227** (142.74)	CN	3105,4495; 142.74 (7-sunset)
→ **MORRISON FIELD (West Palm Beach)**	**278** (126.18) (118.9) +	C	(4); 118.9, 131.9,126.18
STOCK ISLAND LFM	(-)	LFM, 70°, 4	Key West
WEST PALM BEACH (Morrison Field)	**209 (DWZ) (116.1)**	DMRAZ-VDT,89°,2.4	(3), 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Arcadia	2 SE,hwy W	60	30	Trees around fld.
Belle Glade	1 NNE,lake W	17	27 S6	73 oct. No sto. Light acft.
(A) Boca Raton AAF (A)	2 NNW,canal E	13	64h R1 L5 S6	73, 91, 100 oct. Twr SE.
Brown (Miami)	10 SSW,RR NW	10	20 S6	80, 91 oct. No sto. Trees E.
Buckingham (Ft.Myers)	10 E,riv SW	23	54h	
Carlstrom (Arcadia)	7 SSE,hwy N	56	53	
Chapman (Miami)	10 SW,RR W	3	40 S6	80,91 oct. No sto. Pwr line W.
Clewiston	1.6 SW,RR N	19	30 S6	80 oct. Pole line N, E, S, W.
Conners (Okeechobee)	2.5 NW, RR S	34	50h	
Dorr (Arcadia)	11.5 E,hwy N	74	53	
(N) Forman OLF (Ft. Lauderdale) (N)	6.5 WSW	7	32h	INACTIVE
(N) Fort Lauderdale NAS (N)	3.5 SSW,RRW	10	50h	INACTIVE
Homestead, mun.	2 NE, rd N	8	28 S6	80 oct.
Immokalee Airfield	1.3 ENE,RR W	20	50h	
* Immokalee Int, 13, TM-MM	5.25 SE,RR SW	23	38 L2	
(N) Key West NAS (N)	7 ENE	5	70h R2 L5 S4	91, 100 oct. No sto.
Lake Worth	2 W,hwy N	12	28 S1	80 oct.
MacArthur (Hollywood)	1 SW,RR E	12	28h S4	80, 91 oct. No sto. Trees SE.
Marathon	1.8 ENE,hwy S	6	100h	
(N) Master OLF (Miami)(N)	8 NNW,RR W	9	74h R1 L5	Pwr line SE.
MEACHAM (Key West)	2.3 E,ocean S	4	40h S1	80,91 oct. ARPT OF ENTRY.
Miami Aviation Center (Miami)	7.5 NNE,bay E	8	25h S6	80, 91 oct. No sto.
(A) MIAMI INTERNATIONAL - AAF	5.5 NW,RR S	9	74h R2 L5 S6	91, 100 oct. JP-1. FEE. 2-way radio on req. AIRPORT OF ENTRY.
(N) Miami NAS (N)	10.7 NW,canal N	9	60h R1 L5 S6	91, 100 oct. No sto.
(N) Miami OLF (N)	7.9 NNW,RR E	91	36h	
(A) MORRISON (West Palm Beach) (A)	2 W,canal S	15	70h R2 L5 S5	73-100 oct. FOREIGN CLEARING STATION.
Naples	2 NE,RRs E,W	8	50h	
(N) North Perry OLF (Hollywood)(N)	6.3 W	9	32h	C-L-O-S-E-D.
(N) North Pompano OLF (N)	1.5 NE,RR W	21	40h	(Pompano)
PAGE (Ft. Myers)	4 S,RR SE	18	51h R1 L5 S6	80, 91 oct. Ground traffic
Palm Beach County Park (Lantana)	2 WNW,lake N	16	35h L5 S6	80, 91 oct. Fld lgts prior req. Lake E
(P) Punta Gorda	5 ESE,hwy SW	22	50h	
Punta Gorda, mun.(NC)	3 SSE,hwy E	4	24	
(N) Richmond NAS (LTA)	15 SW Miami	13	20h	INACTIVE. (N)
Riddle (Clewiston)	7.6 W,hwy N	19	30h	Use rnwys only.
SARASOTA-BRADENTON (Sarasota)	3.5 NNW,hwy W	24	50h L5 S6	80, 91 oct.
Sarasota, com.	2.5 E,RR S	25	28 S1	80 oct.
Sunny South (Miami)	6 N,hwy N	12	27	
Tamiami (Miami)	12 W		35h S4	80, 91 oct. No sto. Data not verified.
Venice	2 S,RR E	15	50h	Pole lines N, E.
Venice, mun.	0.5 SE,RR E	20	36 S2	80 oct.
West Prospect (Oakland Park)	2.5 WNW	14	40h	Trees sur field.
(P) Witham (Stuart)	1.5 SE,RR SW	17	50h S1	
So.Dade Co.(Homestead)	5 E	8	60h L5 S6	87 91 oct. No sto.
Belvedere (West Palm Beach)	2 SW	17	25 S5	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

DENVER–LOS ANGELES

RADIO

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Terminal)	248(BU)(116.1)	SML-VDT;93°,3	(3);116.1
BURBANK LFM	(- -)	LFM, 97°, 1.5	Burbank
CHATSWORTH	341 (L)	FMK;277°, 10.6	Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMK; 77°, 11	Los Angeles
EL TORO MCAS	3295(142.74)	CN	3105,4495;126.18,142.74
GLENDALE	371 (S)	K; 97°, 7.3	Burbank
GRAND CENTRAL ARPT (Glendale)	301	CI	(4);131.9, (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CA	(3);126.18 (730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERMINAL (Burbank)	278 (126.18) (118.3)	AC	(4);131.9,126.18,118.3
LONG BEACH	233(HB)(116.1	SBMRLZ-VDT	(3);116.1
Long Beach Airport	347 (126.18) (118.5)	AC; 298°, 3.9	(4);131.9,118.5,126.18
LOS ALAMITOS NAAS	317 (142.74)	CN	3105;142.74 (8-1730)
LOS ANGELES	260 (LA)	SBRAZ-DTX	(3)
Los Angeles Airport	272 (126.18)	C (ILS);244°,3.8	(4);116.1,126.18
→ NEWHALL (Int)	209(NH)(116.1)	SBMRL-VDT;317?0.1	(4);116.1
ONTARIO ARPT	219(126.18)	CI	(4); 126.18, 116.1
SANTA ANA (Navy)	472(NTK)(116.1)	BMRLZ	3105;142.74 (13-5)
Santa Ana NAS	6970(142.74)	CN;2500,0.6	3105,3195;142.74 (flying hrs & req)
SANTA MONICA AIRPORT	272 (126.18)	CI	(3);126.18 (8-18)
TERMINAL ISLAND NAS (San Pedro)	338 (142.74)	CN	(3);142.74 (flying hrs)
VAN NUYS METROPOLITAN ARPT	219(126.18)	CI	(4),126.18 (8-1530 Mon-Fri, except holidays)
CASTAIC FM	(- - - -)	FM, 322°, 41	Los Angeles

COLORADO

AURORA LFM	(- - -)	LFM, 155°, 9.5	Denver
→ DENVER (Stapleton Airfield)	379 (DV) (111.1)	SBMRAZ-VDTX;155°, 2.4	(3); 131.7
DENVER (9 mi ENE Stapleton)	109.1 (DV) 111.1	VAR-VDT	(3);131.7
HENDERSON FM	(-)	FM, 348°, 8.6	Denver,
→ LOWRY FIELD (Denver)	396 (126.18)+	CA	(3);126.18
SKY RANCH ARPT (Denver)	296	CI	(3) (sunrise to sunset)
STAPLETON AIRFLD(Denver)	278 (126.18) (118.7)	AC (ILS)	(4);131.9,126.18
WATKINS FM	(- -)	FM, 59°, 14.8	Denver

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
STAPLETON, COLORADO	110.3	335	206° Mag.	IM	MM ·····(.64)	OM	- - (4.2)
					M/K	OMK	
LOS ANGELES, CALIFORNIA	109.9	333.8	247° Mag.	IM (.05)	MM	OM	(2.45)
					M/K	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.

+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

CALIFORNIA

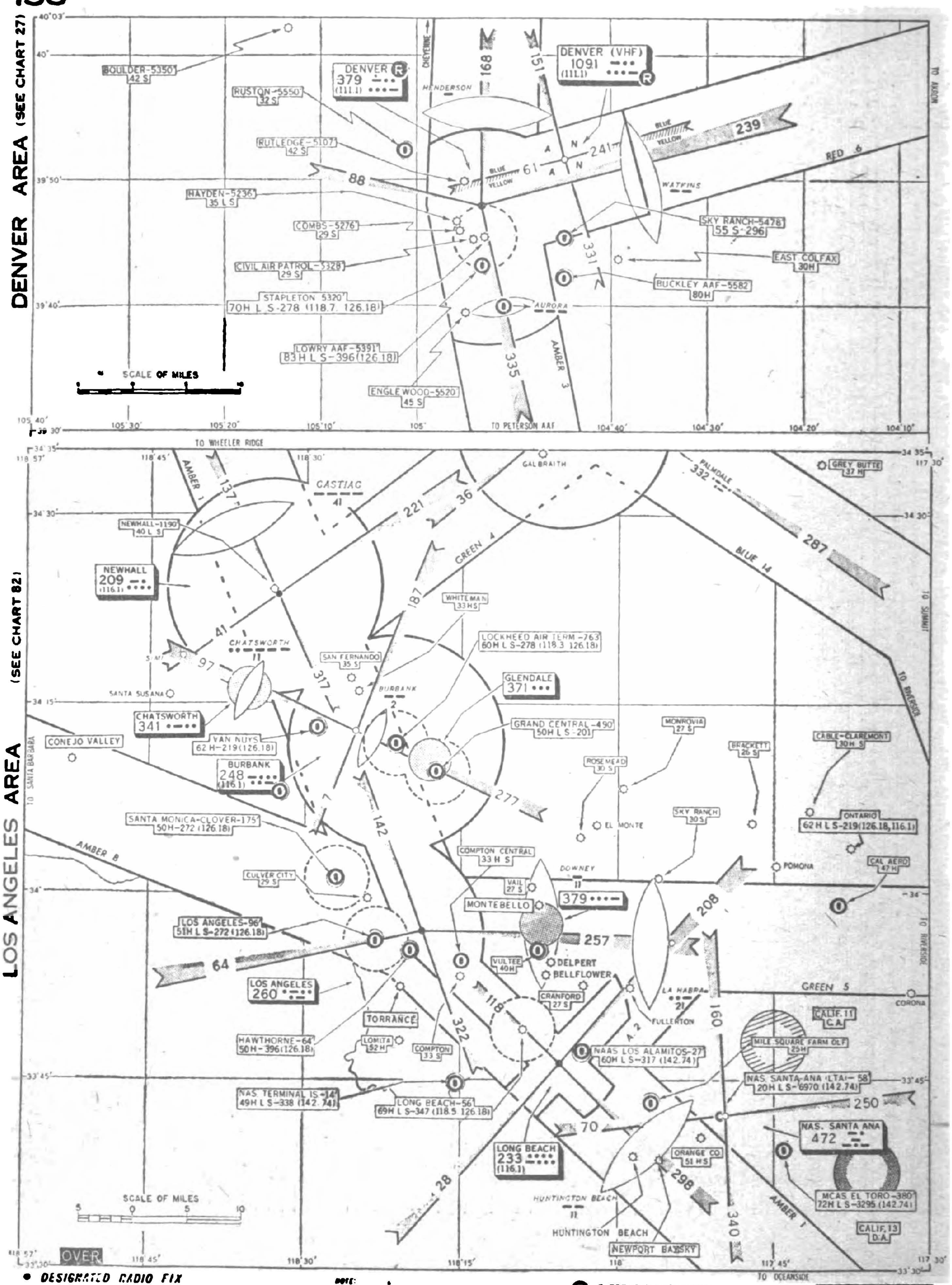
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Bellflower	1.2 NE;riv E	80	21 S4	80 oct.No sto.
Brackett (Pomona)	3 NW;hwys S,E	1010	26 S6	80 oct. Fence W.
Cable-Claremont	1.8 ENE;RR E	1400	30h S4	80,91 oct.
Cal Aero (Ontario)	5 SSE;hwy W	625	47h	Rest'd to D.P.C.
Compton	1.5SW;hwyE,W,N	90	33 S6	80 oct. Poles E. N.
→ Compton Central(Compton)	2 NW;RR W	100	33h L S6	80,91 oct.Rdo & instr rprs.Rnwy data unver.
→ Corona	2.3 ESE; RR N	645	22 S6	80,91oct.P-lines E,SE,W. NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City(Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.
El Monte	1 NNE;rd E	300	21 S6	80 oct. Trees SW. Bldgs NE
(N) EL Toro MCAS (N)	3.7 NW;RR SW	380	72h R1 L5 S4	73,87,91,100 oct.
Fullerton	3 W;RR N	95	18 L1 S6	80 oct. Port rnwy lgts.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73,80 oct.
Gardena Valley (Gardena)	2 NW; RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW;bet RR and river	490	50h R1 L5 S6	73,83,91,100 oct.
Grey Butte (Victorville)	22 W	3050	37h	Mts. S.
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
Hughes (Culver City)(NC)	3.6 SSW;RR N	15	91	Pole line NE. RESTRICTED.
LOCKHEED AIR TERMINAL (Burbank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91 100 oct. No sto. Two-way radio required.
Lomita Landing Strip	1 W;hwy S	95	52h	Mts. S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	80,91,100 oct. JP-1. No sto.
(N) Los Alamitos NAAS (N)	1 SE;riv W	27	60h R1 L5 S4	73,91,100 oct.
(A)(N) Los Angeles(MinesFld)	9.5 SW;RR E	96	51h R3 L6 S6	91,100 oct.Rdo req.
(N) Mile Sq.Farm OLF (Santa Ana) (N)	3.5 SE;riv E	44	25h L	Pwr lines S
Monrovia	0.5 SE;RR S	500	27 S6	80,91 oct.
★ Newhall Int.3A,LA-SF	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Norco	2.5 N;RR S	590	14 S1	80 oct.
→ Ontario	2.5 E;bet RRs	952	62h R1 L5 S4	80,91,100 oct.
Orange Co. (Santa Ana)	5 S;at fork rds	45	51h S6	80-100 oct.
(N) Palisades OLF (N)(NC)	2 E Costa Mesa	107	25	Bay N.W.
Pomona	1.8 SSE;riv S	775	20 S6	80 oct.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. No sto.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	58	20h R2 L5 S4	91,100 oct. No sto.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No bcn.Lgts prior req.
Santa Susana	0.5 S;RR N	955	19 S6	73 oct.No sto. Pwr line W.
Sky Ranch (Puente)	1.3 E;RR S	402	30 S4	80 oct. No sto.
(N) Terminal Is. NAS (San Pedro) (N)	2 ENE	14	49h R1 L6 S1	91,100 oct. NAPC.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct.Port rnwy lgts.Radio repeirs.
(A) Van Nuys Metropolitan (A)	2.8 NW;RR N	800	62h R1	INACTIVE.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW. RESTRICTED.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct. Pole line NNW,NE,SW.
Conejo Valley(Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct.No sto.Pole lines NE.
Delpert Apk(Norwalk)	1.5 W;hwy N	90	21 S6	80 oct.No sto.Pole
Montebello [Angeles]	2 SSW;RR S	180	34 S6	80,91 oct.
Torrance Community (Los	11.5 SSW;hwy W	82	21h S6	80 oct.No sto.Poles W;pwr line E.
(N) Haster Farm OLF(N)	2 SW	65	14h	(Gardengrove) (NC)

COLORADO

Boulder	3 ENE;RR NW,S	5350	42 S5	80,91 oct. Bldg. N
(A) Buckley (Denver)(A)	12.5 ESE	5582	80	INACTIVE.
Civil Air Patrol (Denver)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Combs (Denver)	3 NE;RR N	5276	29 S6	80,91 oct. Pole line N. S.
East Colfax (Watkins)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N. NW.
Englewood	6.8 SSE;hwy S	5520	45 S6	80,91 oct. No sto.
(A) Lowry (Denver) (A)	5.3 ESE	5391	83h R1 L5 S6	91,100 oct. JP-1.
→ Ruston (Denver)	10 NNW;hwy W	5550	32 S1	80,91 oct. Pole line W.SW.
Rutledge (Dupont)	1 S;bet RR;hwy	5107	42 S6	80 oct. Pole lines sur fld.
Sky Ranch (Denver)	12.6 E;RR S	5478	55 R1 S6	73,80,91 oct.
STAPLETON (Denver)	5 ENE;RR N	5320	70h R3 L6 S6	80,91,100 oct
Vest Acft. Co. (Denver)	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
(N) Horse Farm OLF (N)	2 E	54	17h	(Los Alamitos, Calif.) (NC)
→ Huntington Beach(Calif.)	1.8 SE; hwy NW	4	19 S1	80 oct.
→ Newport Bay Sky Harbor (Costa Mesa,Calif.)	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) (NC)-Not charted. → NEW OR REVISED DATA

DENVER AREA (SEE CHART 27)



- DESIGNATED RADIO FIX
- NON-COMPULSORY REPORTING POINT

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 8 QUADRANTS.

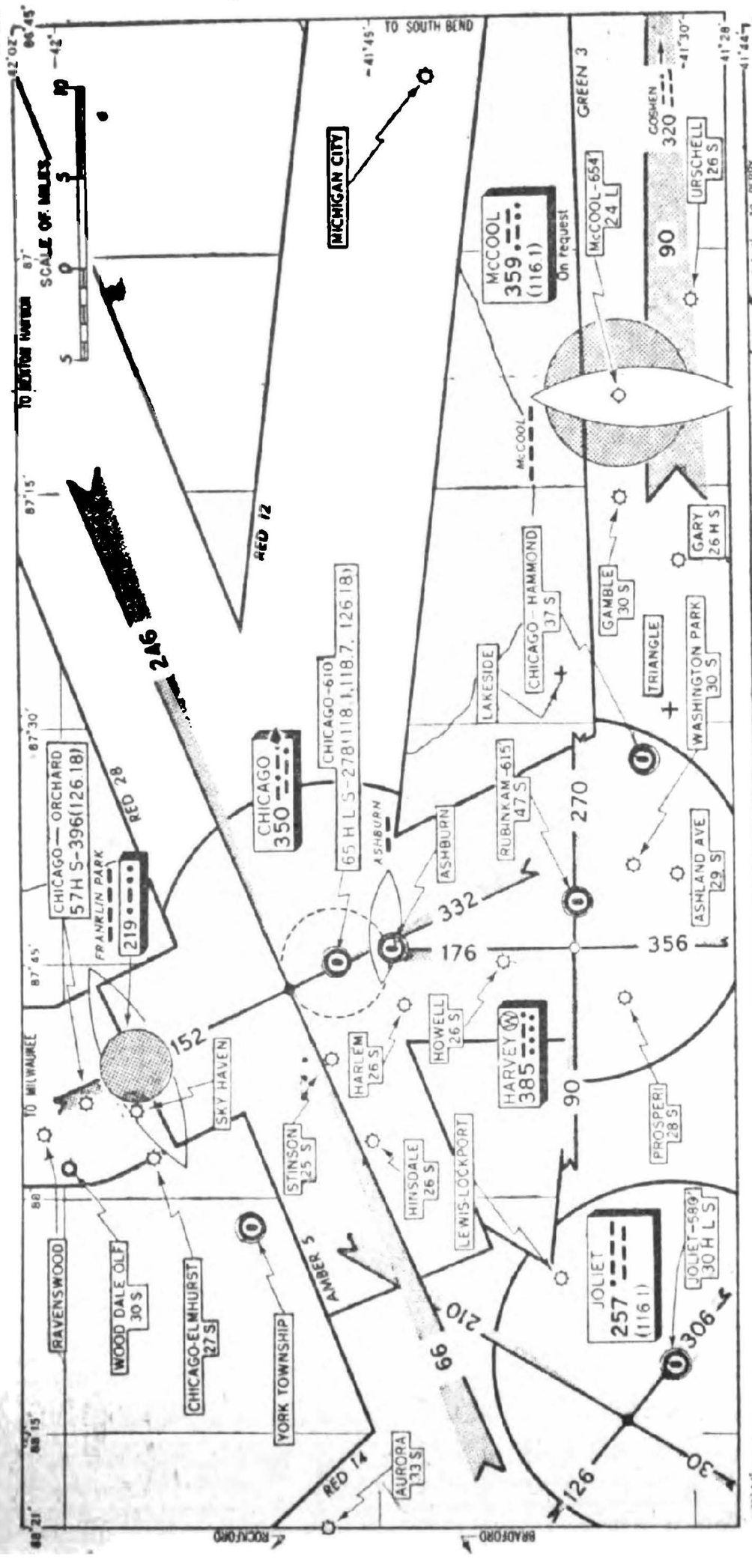
(R): EXTREMELY HAZARDOUS

(D): USABLE WITH CAUTION

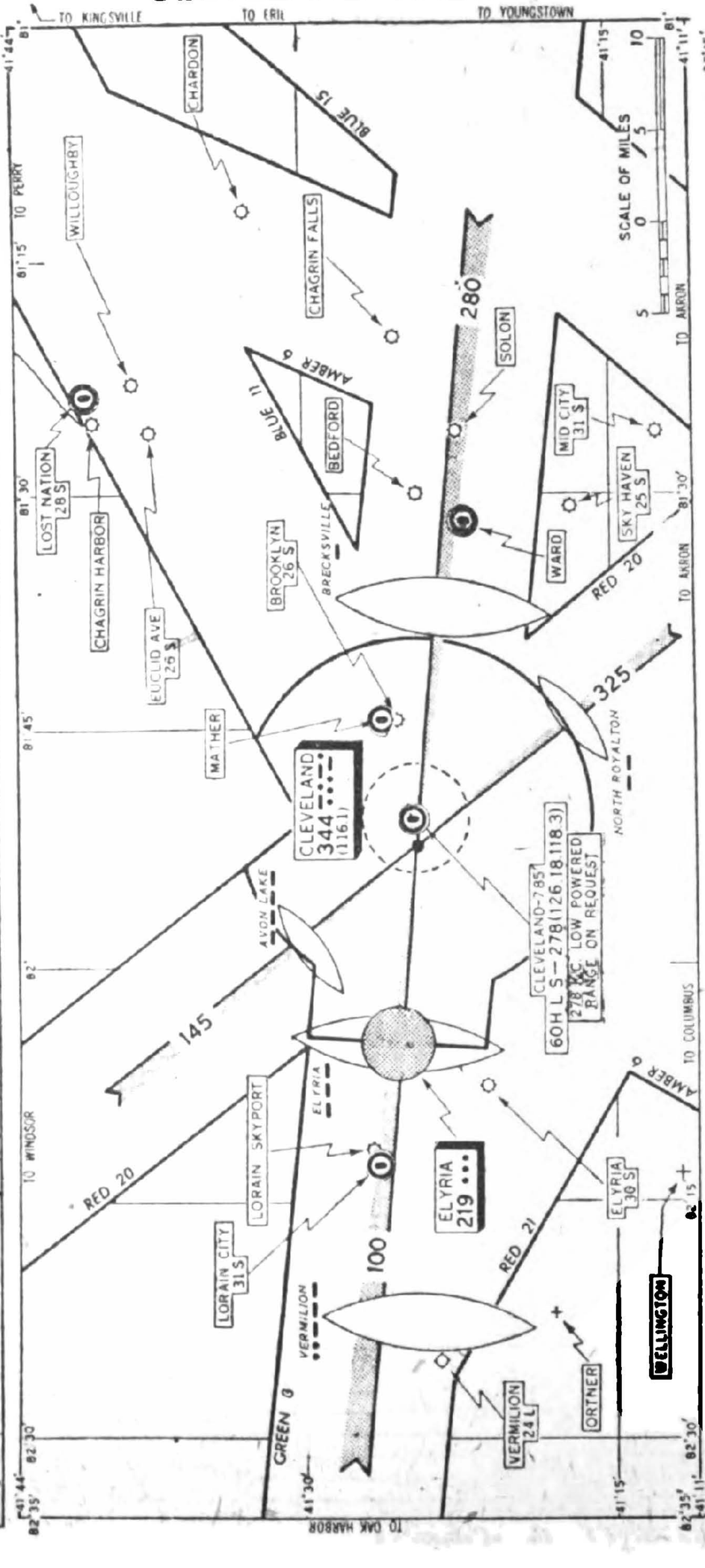
AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX

LOS ANGELES AREA (SEE CHART 82)

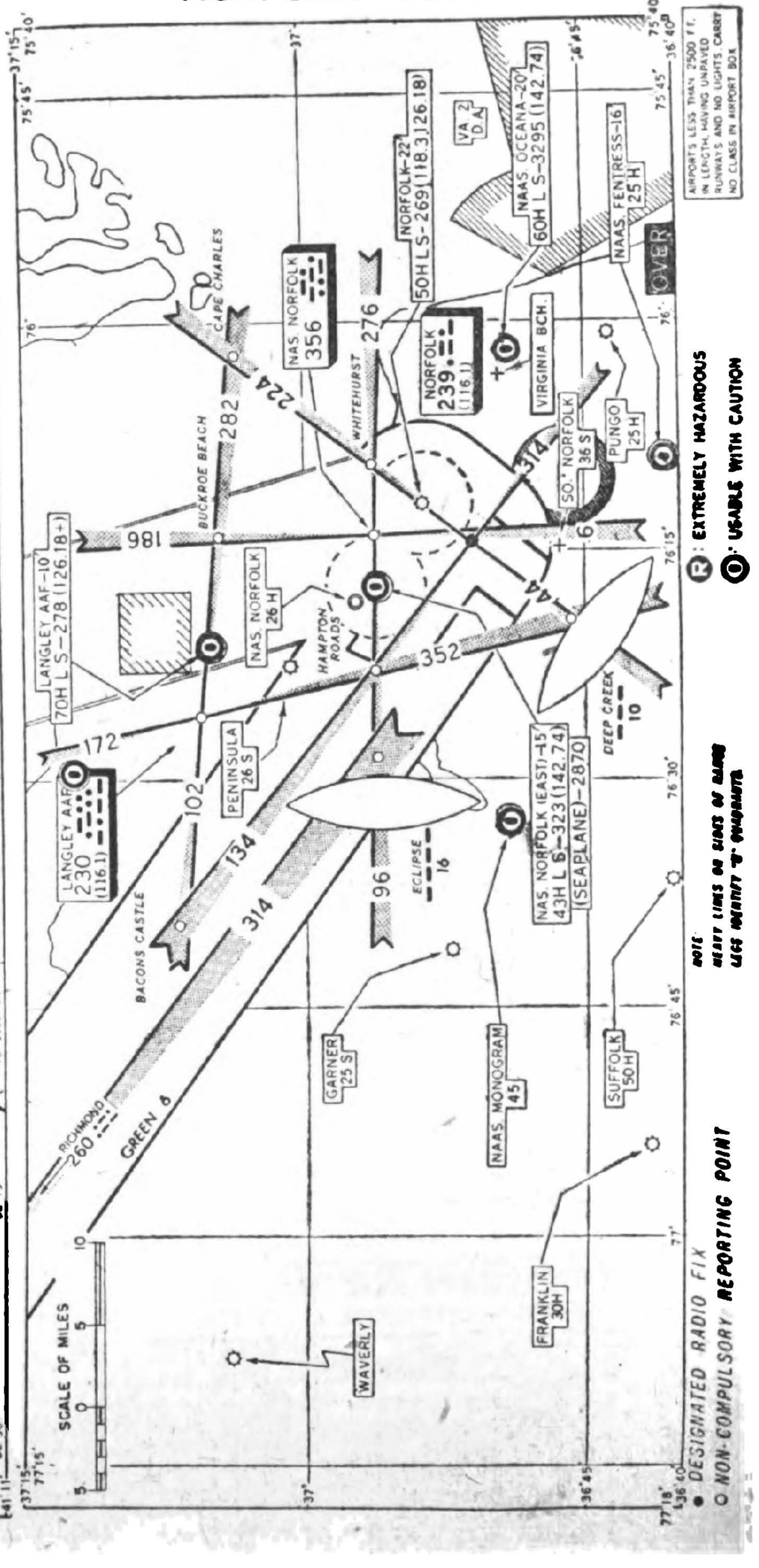
CHICAGO AREA (SEE CHART 34)



CLEVELAND AREA (SEE CHART 38)



NORFOLK AREA (SEE CHART 111)



RADIO

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASHBURN LFM	(- -)	LFM,152°, 6.25	Chicago
CHICAGO	350(CG)(116.1)	SBRAZ-VDTX	(3);116.1
Chicago Airport	278(126.18, 118.7.118.1)	AC (ILS);152°,2.2	(4);131.9,126.18,118.7,118.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
FRANKLIN PARK	219 (L)	FMK; 332°, 9.5	Chicago
HARVEY (Rubinkam)	385 (GH)	MLWZ; 90°, 2.2	
→ JOLIET	257(JO)(116.1)	SBRAZ-VDT: 126°,3.7	(4); 116.1
→ CHICAGO-ORCHARD(Chicago)	396(126.18)	C	(4):126.18

INDIANA

MCCOOL (Int)	359(ML) (116.1)	MRVT	(4); 116.1
MCCOOL FM	(- - - -)	FM, 270°, 61	Goshen

OHIO

AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BRECKSVILLE FM	(-)	FM, 201°, 10.3	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDTX	(3);116.1
→ Cleveland Airport	278 (126.18) (118.3)	AC (ILS);100°,0.7	(4); 118.3, 126.18 .131.9
ELYRIA FM	(- - -)	FM, 280°, 10.9	Cleveland
ELYRIA	219 (S)	FMK, 280°, 10.9	Cleveland
NORTH ROYALTON LFM	(- -)	LFM, 145°, 10.8	Cleveland
VERMILION FM	(. . . . .)	FM, 280°, 26	Cleveland

VIRGINIA

DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM, 276°, 16	Norfolk NAS East Field
LANGLEY FIELD (Army)	230(DLY) (116.1)	SBMRAPZ-VDT	(3); 116.1
→ Langley Field	278 (126.18) (116.1)+	CA; 102°, 3.5	(4); 126.18 only
NORFOLK	239(NW)(116.1)	SBMRLZ-VDT	(4):116.1
Norfolk Airport	269 (126.18) (118.3)	AC; 44°, 3.4	(4):131.9,126.18,118.3
Norfolk (Navy)	356 (NGU)	BMRLZ	
Norfolk NAS(East Fld)	323 (142.74)	CN; 276°, 2.9	(3); 142.74
Norfolk NAS(Seaplane)	2870	CN	2870 (7-17 & on req)
OCEANA NAAS	3295(142.74)	CN	3105,4495;142.74(745-1830)(GCA)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. on mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
CHICAGO, ILL.	109.9		132° Mag.	IM ·····(.04)	MM	OM	--(1.89)
					MMK 201 ···(.71)	OMK	
CLEVELAND, OHIO	109.9		54° Mag.	IM ·····(.06)	MM	OM	--(4.75)
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. +-Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ILLINOIS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Ashburn (Chicago)	12 SW;hwy W	620	16 S4	73,80 oct.Unsafe after rain.
Ashland Ave(Chicago Hgts)	1.5 NW;hwy S	675	29 S6	80,91 oct.Obsts sur fld.
Aurora	3 NNW	701	33 S4	80 oct. Twr NE;stack SE.
(N) CHICAGO	9 SW of loop	610	65h R3 L6 S6	73,80,91 oct. FKE.
Chicago-Elmhurst(Elmhurst)	2.5 N;hwy SW	707	27 S6	80,91 oct.Poles S.E.
(A) Chicago-Orchard (A)	16 NW;RR W	657	57h R1 L5 S6	73,91,100 oct.
Chicago-Hammond(Lansing)	1.5 S;RR N	660	37 L1 S6	73,80oct.Obsts sur. fld.
Harlem (Oaklawn)	2.2 WNW;hwy W	610	26 S6	80 oct.Pole line E.
Hinsdale	3 S;hwy SE	710	26 S6	73,80 oct. Rolling ground.
Howell (Blue Island)	3 W; hwy E	600	26 S4	80 oct. Obsts sur fld after 2400.
Joliet,22,IS-CG	5 W;riv W	580	30h R1 L4 S4	80, 91 oct.Flood lgts prior req

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lewis-Lockport(Lockport)	2.2 WNW;hwy E	664	26 S6	80,91 oct. Twr SE.Obsts sur fld.
Prosperi (Tinley Park)	1.7 SSW;hwy W	695	28 S6	80 oct.
→ Ravenswood (Des Plaines)	2.5 SW;hwy E	650	18 S6	80 oct. No sto.
(P) Rubinkam (Harvey)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W part only.
St. Charles (NC)	3.5 E;RR E,S	760	18h	Pole line N.
→ Sky Haven(Bensenville)	1.5SE;bet RR,rd	650	23 S4	80,91 oct.Use strips only.
Stinson (La Grange)	2 SE;hwy SE	644	25 S6	80,91 oct.Pole line S,W.
(P) Washington Park(Homewood)	1.5 SE;hwy E	625	30 S6	80,91 oct.Allway area.
Wood Dale (Glenview)	10.5 SW	711	30 S5	80 oct.
York Township(Lombard)	2 SSW;hwy N	726	20 S6	80 oct.Use strips.Pole line N,E.

INDIANA

Gamble (Hobart)	1.8 NNW;hwy S	650	30 S4		73,80 oct.Obst sur fld.
Gary	6 S;hwy W	610	26h S6		80,91 oct.Trees N,E,S.
★ McCool Int,3,CG-LG	2 SW;hwy S	654	24 R1 L3		
Michigan City	4 E;RR N	650	24 S1		80,91 oct.Pole line E,S,W.
Urschell(Valparaiso)	1.7 NNE;hwy E	766	26 S2		80 oct.Pole line N.

OHIO

Bedford	2 NE;hwy W	1060	17 S2		73 oct.
Brooklyn (Cleveland)	5.5 SW;RR S	780	26 S2		73 oct.
Chagrin Falls	3 E;hwy SW	1220	23 S4		80 oct. Pole line N.
Chagrin Harb.(Willoughby)	2.5 NNW	620	22 S6		80 oct. Pole line W.
Chardon	2.8 S	1230	22 S1		80 oct. Pole lines sur fld.
(A) CLEVELAND	8 W;riv W	785	60h R3 L6 S6		73,80,91,100oct.JP-1.FKE. ARPT.
Elyria	1.6 SSW;RR NW	745	30 S2		80 oct. Poles SE. OP ENTRY
Euclid Ave.(Willoughby)	1.5 WSW;RR N	640	26 S6		80 oct.Poleline S,hi-line N.
Lorain City (Lorain)	2.1 SW;RR N	610	31 S1		80 oct.Pole line NE,SE.
Lorain Skyport(Lorain)	2.8 W;lake NW	610	30 S1		80 oct.Pole line S,SE.Rnwy data unver.
Lost Nation (Willoughby)	3 N;lake NW	626	28 S6		80,91 oct.Obsts sur fld.
Mather (Cleveland)	5 SW;RR S	740	19 S2		80 oct.
Mid City (Hudson)	2 S;RR S	1080	31 S4		80 oct.Poles W,NW.
Ortner (Wakeman)	4 NNE;RR S		26 S1		73 oct.Data not verified.
Sky Haven (Northfield)	2.5 SSE;RR NE	1040	25 S4		73,80oct.No sto.Pwr line W,S.
Solon	1.1 SSE;RR NE	1034	24 S6		73,80 oct.Pole line SE,W.
★ Vermilion Int, 28,CG-LG	3.7 SW;RR SE	610	24 L3		
Ward (Bedford)	1.5 S;RR E	980	20 S4		80 oct.No storage.
Willoughby	1.2 E;RR NW	700	22 S6		80 oct. Pole line sur fld.

VIRGINIA

(N) Fentress NAAS (N)	2.5 ESE;hwy N	16	25h		INACTIVE.
(P) Franklin	1.7 NE	38	30h		
Garner's (Windsor)	4.8 NNE;hwy W	80	25 S2		80 oct.
Glen Rock (Norfolk)(NC)	4.5 E;RR S	18	24		Twrs,pole line SW.
(A) Langley Field (A)	3 N Hampton	10	70h R2 L5 S6		73,91,100 oct.JP-1
(N) Monogram NAAS (Drivers)	2.8 W;riv W	21	45		INACTIVE. (N)
NORFOLK	5 ENE;RR SE	22	50h R2 L5 S4		80,91 oct.
(N) " NAS (Chambers)(N)	7 N;rd N	13	26h		CLOSED. Use East Field.
(N) " NAS (East Field)(N)	6 N;RR SW	15	43h R2 L5 S6		91,100 oct.NATS.NAFC.
(N) Oceana NAAS (N)	1 SW;RR N	20	60h R1 L5 S4		91,100 oct.No hgr.
Peninsula(Hampton)	2 WSW;RR N	12	26 S4		80 oct.
Pungo	0.8 NE	15	25h		
South Norfolk (Norfolk)	6 SSE		36 S4		Fuel.No sto.Data unverified.
(P) Suffolk	3.8 SSW;RR E	66	50h		
Waverly	2.5 NW;RR SW	115	17 S2		80 oct.Trees,brush sur fld.
Virginia Beach Va.	4.5W;RR,hwy N	15	42 S4		80,91 oct.Pole line N.Data unver.
Lakeside (Gary) Ind.	7.5 W		35 S4		73,80 oct. Unverified.
Triangle (Dyer) Ind.	2 NE		27		Unverified.

RADIO

ILLINOIS

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS. OF OPER., REMARKS
JERSEYVILLE FM	(-)	FM, 355°,21	St. Louis, Mo.
SCOTT (Belleville) (Army)	263 (DCD)	SBMRAPZ-DT	(4)
Scott Field	396 +	CA; 49, 1.8	(4)

MISSOURI

LAMBERT-ST. LOUIS ARPT. (St. Louis)	278 (126.18, 142.74)	AC (ILS)	(4); 131.9,126.18,142.74
ST. LOUIS (Lambert -St. Louis Arpt.)	209 (LS)	SBRAZ-DTX,256° 2.2	(3)
ST. PETERS FM	(- - - -)	FM, 273°,14.2	St. Louis.
SPANISH LAKE	219 (L)	FMK,69°,7.8	St. Louis.
SPANISH LAKE FM	(- -)	FM, 69°, 7.8	St. Louis.

OREGON

PORTLAND	332 (PD)	SBRAZ-VDT	(3); 116.1
Portland AAB	278 (126.18, 118.3)+	AC; 171°,3.1	(4); 142.74,131.9,118.3, 126.18
PORTLAND LFM	(- -)	LFM, 76°,1.6	Portland
WILLAMETTE FM	(. - - -)	FM, 76°,20.6	Portland

TEXAS

ALAMO (San Antonio (San Antonio Arpt)	344(JR)(116.1)	MLZ-VDT	(3); 116.1
BROOKS FIELD (San Antonio)	396 (126.18)	CA	(3); 126.18
KELLY FIELD (San Antonio)	219 (126.18)+	CA	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMRLZ	(3)
Randolph Field	272 (126.18)	CA;322°,2.04	(3); 126.18
SAN ANTONIO (Kelly Field)	254(ZN)(116.1)	SBRAZ-VD,107°, 1.8	(4); 116.1
San Antonio Arpt. (Alamo Field)	278 (112.5)	C (ILS)	(4); 118.5,131.9,126.18
SPRING BRANCH FM	(-)	FM, 354°,21.6	Alamo.

WASHINGTON

HOBART FM	(- -)	FM, 88°,15	Seattle
LAKEVIEW FM	(- - -)	FM, 175°,25.5	Seattle
KING CO. AIRPORT (Seattle)	278 (126.18, 118.3)	AC	(4);131.9,140.1,126.18, 118.3
McCHORD (Tacoma) (Army)	272 (DTA)	BMRL	
McChord Field	396 (126.18)+	CA(ILS);260°,1.7	(3); 116.1, 126.18
SEATTLE (King Co. Airport)	260(SA)(116.1)	SBRAZ-VDTX, 296°, 3.3	(3); 116.1
SEATTLE NAS(Navy)	532 (WN)	MH	(4) cont.
Seattle NAS	230 (142.74)	CN	(3);142.74 (8-sunset)
WASHOUGAL FM	(-)	FM, 63°,17.5	Portland,Ore. (GCA)
WOODLAND FM	(- - - -)	FM, 331°, 23	Portland, Ore.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Lambert-St Louis, Mo.	110.3		238° Mag.	IM- ••••• (.06)	MM-	OM- --(4.50)
					MMK- 201 ••• (.60)	OMK-
McChord, Wash.	109.9	333.8	337° Mag.	IM- (.26)	MM- ••••• (.85)	OM- --(4.44)
					MMK-	OMK-
San Antonio, Alamo, Tex	109.9	333.8	30° Mag.	IM-	MM- •••• (.58)	OM- --(4.4)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ILLINOIS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gundlach(Belleville)	1.8 E	514	23	Obsts sur. field.
Lakeside(E.St.Louis)	7 NNE,lake W	420	32 S6	73 oct.
Parks(E.St.Louis)	4.2 SW,RR SE	410	26 L1	25-75' obsts on fld.
Parks Metropolitan (East St. Louis)	3.5 SSW,RR W	420	17h S6	80,91 oct.
(A)Scott (Belleville)(A)	7.5 ENE,RR S	444	55h R2 L5 S5	73,91,100 oct. JP-1.
Wadlow (Alton)	3.5 NNW	600	25 S4	80 oct.

MISSOURI

Black Walnut (St. Louis)	18 NNW	442	20	
Creve Coeur (St. Louis	14.5 WNW	445	37	Lake E.
Ellisville	0.4 NE,hwy S	750	16 S2	80 oct.
Kratz(St.Charles)	1.1 ESE,RR S	442	30 L S6	80,91 oct.Port rnwy lgts.
(N)LAMBERT-ST.LOUIS (St. Louis)	10.8 NW,hwy N,W	552	60h R3 L6 S6	80-100 oct. Rdo rqrd.
Machens (NC)	1 NNW	450	41	Pole line
Meremec(Valley Pk.)	1.5 ESE,riv N	440	30 L S2	80 oct.Port rnwy lgts. S
(N)Neubeiser OLF (N)	22 NNW,riv N	438	20h	(St.Louis) Lgt acft only.
Ross (St. Louis)	4.8 NNW,RR SE	430	30 S6	80,91 oct.Poles sur fld.
St.Charles	5.3 NNW,RR N	470	29 S6	80 oct.Poles E,N,NE,SE.
Starling(St. Louis)	14 SSW,RR E	615	26 S4	80,91 oct.Obsts sur fld.
Sylvan Beach (Fenton)	2 NNW	442	42 L S2	80,91 oct.Port rnwy lgts. Pole line N.
Weiss (Kirkwood)	4 SW	430	15 S4	80 oct.Pole line NE,N.

OREGON

Aurora Flight Strip	1.6 NNW,hwy W	196	41h	
Barrett-Schuler (Woodburn)	2.8 WNW,RR E	200	29 S1	73 oct.Pwr line NNE.
Bernard(Beaverton)	1.4 NNW,RR S	208	18 S6	80,90 oct.
Canby	0.5 NNW	150	17 S1	80 oct.Pwr line NE,SW
Columbia Co.(Scappoose)	1.2 NE,RR W	55	40h L S6	80 oct.Port rnwy lgts. Pole line N, NW.
Dwyer Landing Field (Portland)	7 SE,RR NW	200	16	Obsts ENE,WSW.Ditch around strip
Green Acres(Mulino)	1.9 SSW,RR W	269	18 S4	73,80 oct.No sto.Obst
Hillsboro	2.4 ENE,RR S	200	41h L5 S6	73,80 oct.No sto. SSE.
(A,N) PORTLAND AAB (A)	5 NNE,riv N	19	55h R2 L5 S6	73,91,100 oct.JP-1.No sto Antenna pole W, lgtd.
Portland Birdsdale	8.5 E,RR N	220	23 S6	80,91 oct.
R.O.K. (Gresham)	2.2 W,RR S	285	26 S5	73 oct.No sto.Pwr line E.
Sky Park (Oregon City)	2.7 SE,RR NW	440	27 S6	80 oct.P-line S. ENE.
Sportsman Arpk. (Newberg)	1 E,riv SW; RR N	173	23 S2	Ltd 80 oct.Trees NNE.
Troh.s Skyport (Portland)	6 E,riv N	250	26 S6	80,91 oct.
Troutdale	1 NW,RR S	34	46h L3 S6	73,80 oct.

TEXAS

Bexar Co.(San Antonio)	7.1 SSW,rd W	640	32 S6	80,91 oct.Poles,trees N, NW, W, S.
(A)Brooks (San Antonio)	6.5 SSE,RR W	594	52h R1 L5 S6	73,91,100 oct. (A)
Craigg (Sayers)	1.8 W,hwy, N	650	41 S1	80 oct. RR N.
Davis (San Antonio)	6.7 N,RR SE	780	16 S1	80 oct.
Hurt (San Antonio)	6.5 WNW.	680	36 S6	80 oct. Hwy W.
(A)Kelly (San Antonio)(A)	6.8 SW,RR NE	676	75h R2 L5 S6	62,73,91,100 oct.JP-1. FOREIGN CLEAR STN
Kuehler(New Braunfels)	1.7 SE,riv NW	720	18	Pole line NW. Cattle.
Lake (San Antonio)	10 S,RR E	700	23 S2	73 oct.
Leon Valley (San Antonio)	8.6 WNW, hwy E	710	40 S6	80,91 oct.Pwr line N, W, NW.
(A)Martindale(San Antonio) (A)	7.1 E,RR S	660	30h	
Mission(San Antonio)	4.5 S,hwy E	567	23 S6	80 oct.No sto.P-line NNE
(A)Randolph(San Antonio)	15.8 ENE,RR NW	752	70h R2 L5 S6	91,100 oct.No sto. (A)
SAN ANTONIO MUN.-ALAMO	7.8 N,RR SE	783	55h R3 L6 S2	73,80 oct.
Stinson(San Antonio)	6.2 SSE,RR E	567	49h	
Yates(San Antonio)	13.7 N,hwy W	968	33	
(A)Zuehl No. 6 (A)	0.8 NE,hwy NW	610	30h	

WASHINGTON

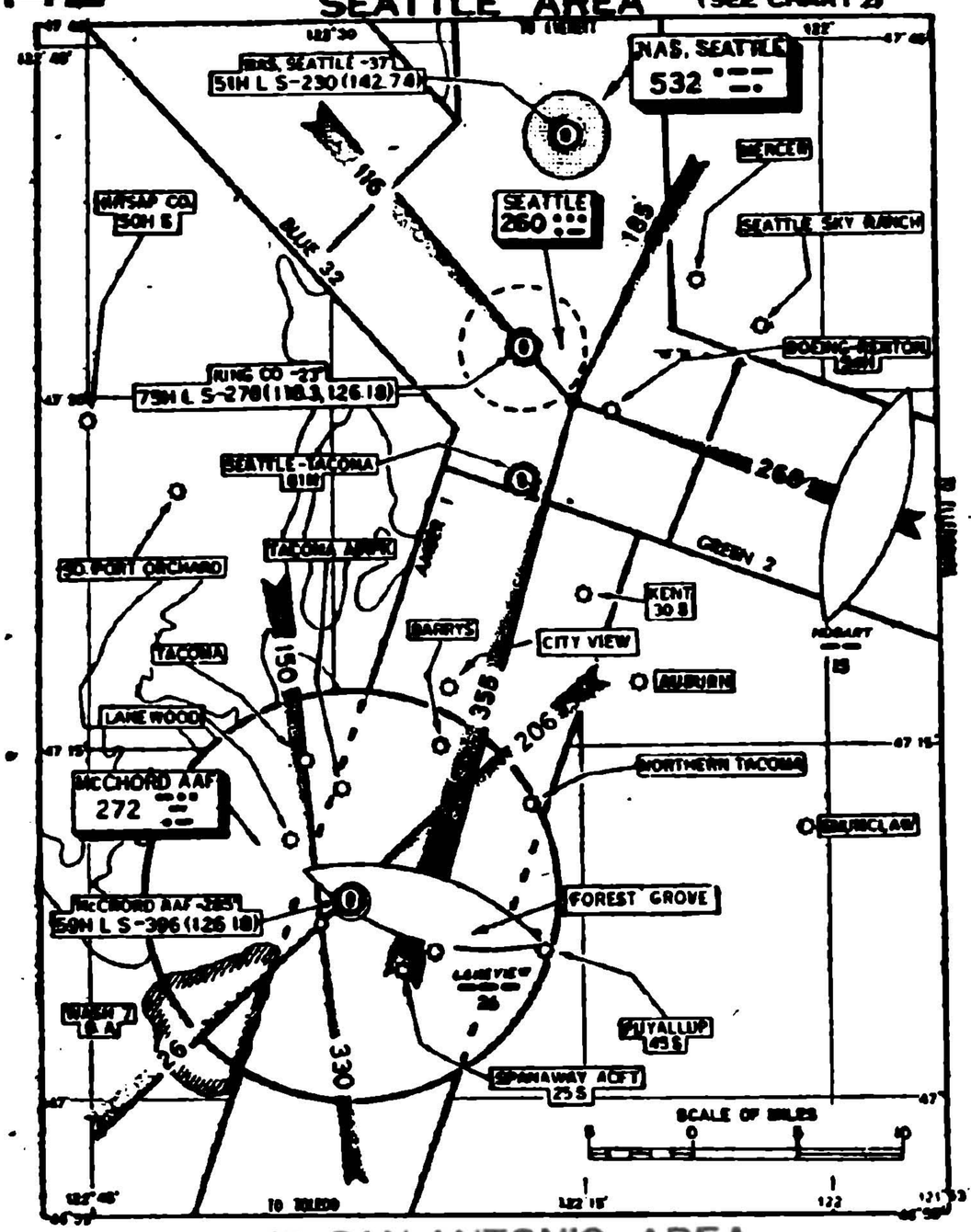
Auburn	1.8 ESE,hwy S	276	20 S6	80 oct. Trees.

WASHINGTON

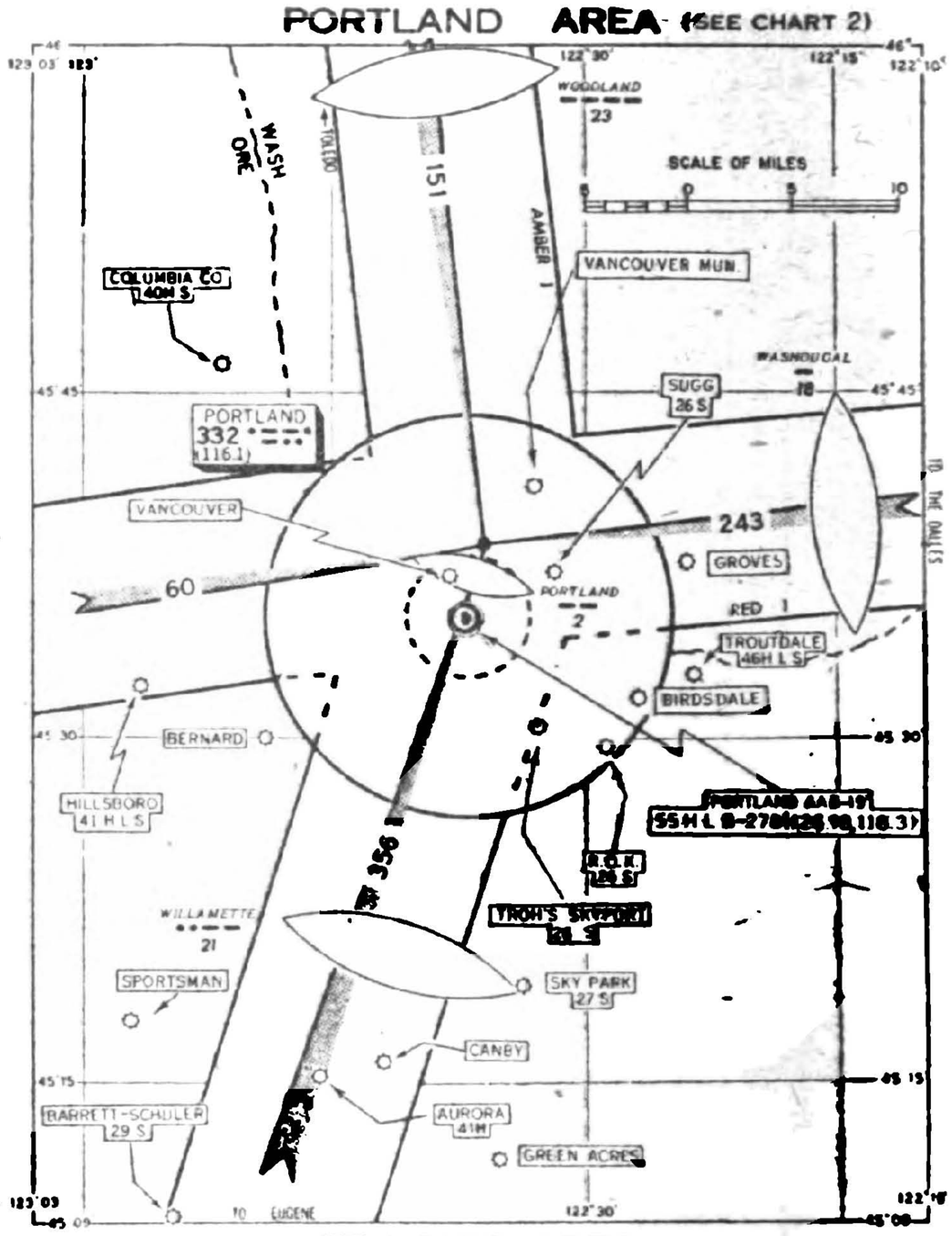
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Barrys Sky Harbor (Tacoma)	2.3 ENE,riv SW	4	21 S3	80 oct.Pole line E.
Boeing-Renton (Renton)	0.9 NW,lake N	32	54h L5	All lgts prior req.
City View Arpk. (Tacoma)	4.5 NE	350	18	Pole line SW.
Enumclaw	1.5 WSW,hwy E	740	20 S2	Ltd 80 oct.Pwr line E.
Forrest Grove (Spanaway)	1.8 E,RR E	340	30 S6	80 oct.
Groves (Camas)	2.8 N,hwy E	350	16 S1	Ltd 80 oct. Lake SW.
Kent	1.5 SSW,riv N	30	30 S6	80 oct.
KING CO.-BOEING (Seattle)	6 S,riv SW	23	75h R2 L5 S6	80-100 oct.No sto. ARPT OF ENTRY.
Kitsap Co.(Bremerton)	8 SW,hwy NW	482	50h L5 S6	80,91 oct.No sto.Lgts on req.
Lakewood (Tacoma)	7.5 SSW,RR E	243	22 S1	80 oct.Trees ENE,WSW
(A)McChord (Tacoma) (A)	7 SSW,lake SE	285	59h R3 L5 S6	73,91,100 oct.JP-1. FOREIGN CLEAR.STN
Mercer (Bellevue)	4.1 ESE,lake E	345	20 S5	80 oct. Tie-down sto.
Northern Tacoma (Puyallup)	1.3 N,RR N,S	20	19	
Puyallup	6 S,hwy W	520	45 S6	80,91 oct.Rnwy data unver.
R.C. Sugg (Orchards)	3.6 SSE,hwy S 6.8 E Vancouver	310	26 S6	80 oct.
Seattle Sky Ranch (Issaquah)	1.6 NNW,hwy S	50	25 S6	80,91 oct.No sto.Hill S.
(N)Seattle NAS (N)	6.5 NNE,lake E	37	51h R1 L5 S6	91,100 oct.
(N)Seattle-Tacoma (Seattle)	10.5 S,RR E	405	61h	Trees and hills sur.fld.
South Port Orchard (Port Orchard)	7.5 SSW,lake S	350	19 S4	80 oct.No sto.Trees N, S.
Spanaway Aircraft Co.(Spanaway)	1.2 SSE,RR S	375	25 S1	80 oct.Pole line S.
Tacoma	4.4 W,hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk. (Tacoma)	2.9 WSW,RR E	250	20 S4	80 oct.Sharp drop W edge fld.
Vancouver	1 SE	26	19 S6	Ltd 80 oct.No sto.
Vancouver, mun.	6.7 ENE	240	26 S1	80,91 oct. Hwy W.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted) → NEW OR REVISED DATA

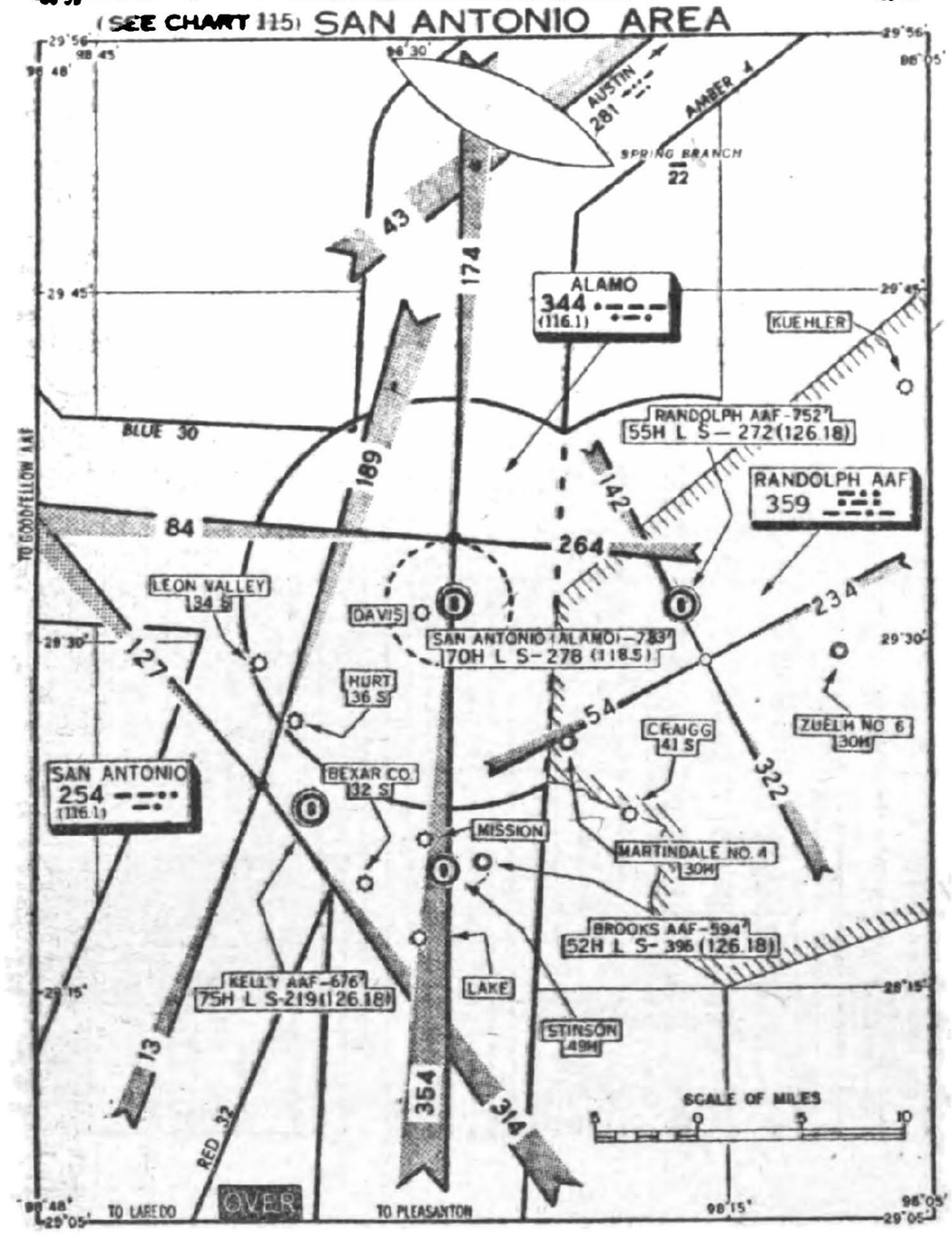
SEATTLE AREA (SEE CHART 2)



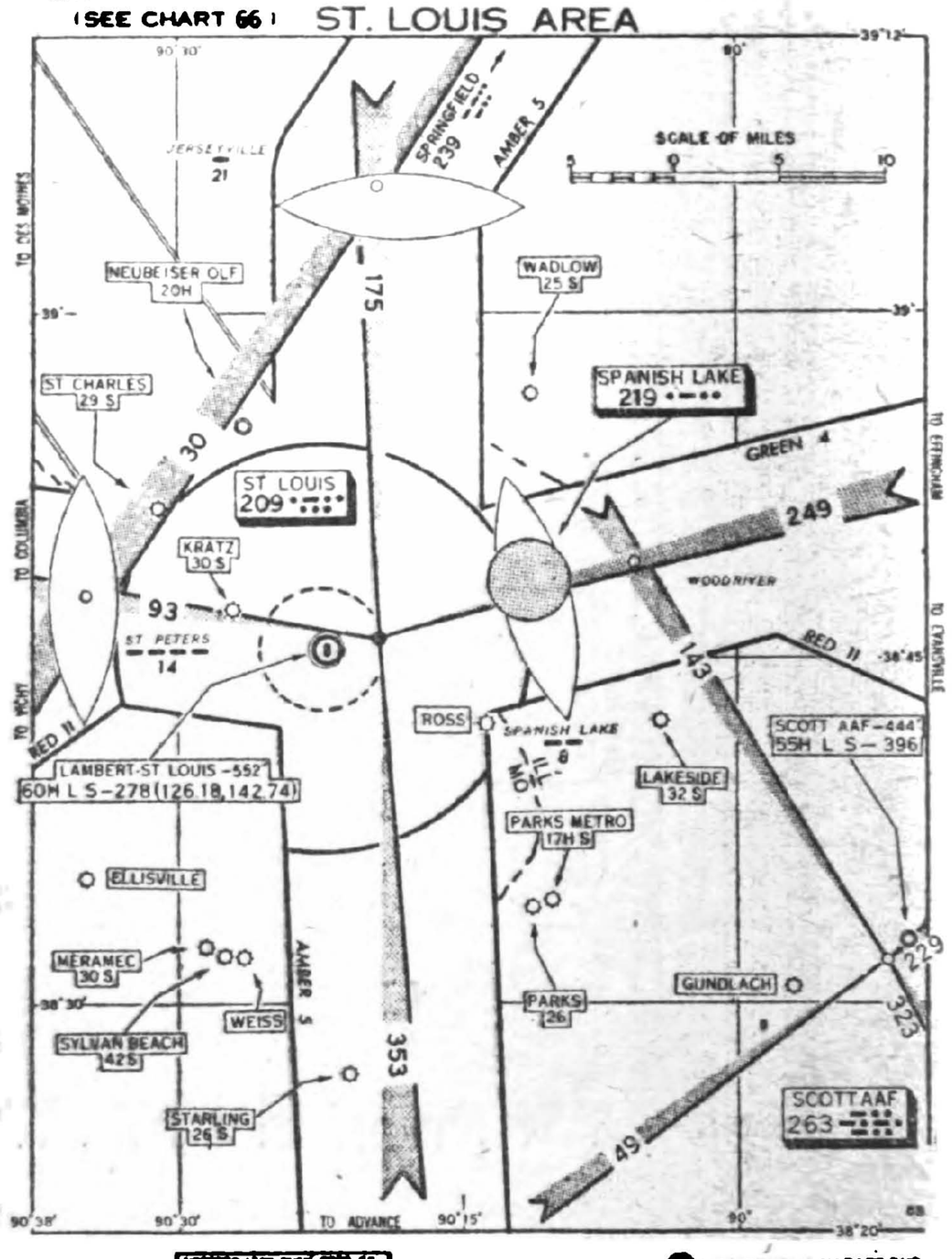
PORTLAND AREA (SEE CHART 2)



(SEE CHART 115) SAN ANTONIO AREA



(SEE CHART 66) ST. LOUIS AREA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES OR BLOCKS OF RADIO LEGS INDICATE "B" CLEARANCE.

AIRPORTS LESS THAN 5000 FT. OR LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CLOSED OR CLASS IV AIRPORT SYM.

(H): EXTREMELY HAZARDOUS

(M): USABLE WITH CAUTION

Directory of Seaplane Bases and Anchorages

✓ CAUTION-Many seaplane landing areas in the North are closed during winter months because of ice.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
CALIFORNIA				
(N) Alameda NAS (N)	4.5 WNW	S.L.	211 R1 L5 S6	73,91,100 oct. Ramp: tractor.
(N) Corcoran, Tulare Lake	15.5 WSW	200	74	Buoys.Pole line N,E;dikes NW,W,S.
Lakeport, Clear Lake	E of Lakeport	1325	Unl	Buoy. C-L-O-S-E-D.
Oakland	6 S	S.L.	S4	Ramp;beach;haul-out.Data unver.
(N) San Diego NAS (N)	4.5 WSW	S.L.	106 R1 L S6	87,100 oct. Ramps: haul-out.
(CG) San Francisco CGAS (CG)	9 SSE	S.L.	132 L5 S6	91,100 oct. Ramps; all facs.
(N) San Pedro NAS (N)	2 ENE	S.L.	Unl L1 S4	73-100 oct. Ramps; all facs.
CONNECTICUT				
Greenwich	0.8 S	S.L.	Unl	PRIVATE. Ramp. Congested harbor.
Stratford,United Acft.Corp	2 SW	6	53	PRIVATE. Ramp.
Westport	2 S	S.L.	40 S6	80 oct. Float: marine railway.
Cromwell	0.8 S;hwy W		90 S4	80 oct.Float;ramp,Data unverified
DIST. OF COLUMBIA				
(N) Anacostia NAS (N)	2.4 SE Mon't	8	106 S4	87-100 oct.Ramp;all fac prior req
FLORIDA				
Avon Park,Lake Lotela	2 SE; RR SW	100	66 S1	80 oct. Beach.
(N) Banana River NAS (N)	11 SE Cocoa	S.L.	116 L S6	87,98 oct. Ramps; all facs.
Bradenton	Adj N	1	Unl S1	73 oct;80 oct req. Ramp;float.
Clarcona,Hidden Acres	1.5 WNW	90	30 S6	80 oct. Data unverified.
Daytona Beach,Bob Orrell	2 N	S.L.	264 S4	Ramp; float.
" Raymond's	1.5 N	S.L.	Unl S6	80 oct;91 oct req.Ramps;piers;boa
Fort Myers,Gulf Airways	2 N	S.L.	Unl S4	80 oct.Ramp;all facs. Data unver.
(N) Jacksonville NAS (N)	7.2 S	S.L.	Unl R1 L5 S4	91,100 oct. Ramps;all facs.
" Riverside	Adj city	7	Unl S1	80 oct. Beach.Data unverified.
(N) Key West NAS (N)	7 ENE	S.L.	130 R1 L S6	91,100 oct. Ramps;buoys.ARPT OF ENTRY
Lakeland, Municipal	Adj NE	145	Unl S1	80 oct. Data unverified.
Lake Worth, Municipal	Adj city	S.L.	100 S6	80 oct.Ramp;beach.Obsts E.Unver.
Leesburg, Hal Hoover's	1 N	15	Unl S1	80 oct.Ramp;beach;dock.Data unver.
Melbourne	Adj S	S.L.	Unl S1	80 oct. Float
Miami, Chalk's	2 E;causeway	S.L.	Unl S4	80 oct. Beach;ramps;winch. ARPT OF
(CG) " Dinner Key CGAS (CG)	2.5 SE	S.L.	150 L3 S4	100 oct.Ramps;haul-out.CLSD ENTRY
" E.Coast Avia. Service	8 NNE	S.L.	132 S4	80 oct. Ramps;buoys. Obsts.
" Embry Riddle	2 E;causeway	S S.L.	65 S4	80 oct. Ramps.
" Miami Avia. Center	8.5 N	S.L.	Unl S1	80 oct. Data unverified.
Orlando,Orlando Aviation Country Club	5 N	90	60 S1	80 oct. Ramp;beach. Data unver.
" Raymonds	2 W	70	50 S1	80 oct.Float.Twr NE.Data unver.
(N) Pensacola NAS (N)	5.3 SW	S.L.	116 R1 L1 S6	87-100 oct.Ramps; all facs.
(N) " Bronson NAAS (N)	12 WSW	S.L.	Unl L4 S4	87,91 oct. Ramps; all facs.
St. Augustine	Adj SE	S.L.	Unl S1	80 oct. Float; beach; dolly.
St. Petersburg,Albert Whitted	0.75 SE	S.L.	Unl S6	80,91 oct. Data unverified.
(CG) " CGAS (CG)	2.5 E	S.L.	Unl L S4	80-100 oct. Ramps.
" James Johnstone	7 W	S.L.	Unl S6	80 oct. Ramp; all facs.Data unver.
" Pinellas County	11 NNW	S.L.	Unl S1	80 oct. Data unverified.
Tampa, Peter O.Knight	4 S; arpt W	8	Unl S6	80 oct. Ramps; all facs.
Titusville	Adj NE	S.L.	Unl S1	73 oct; 80 oct req. Data unver.
West Palm Beach, Midet	1 N	S.L.	155 S4	80,87 oct.Ramps;all facs.ARPT OF ENTRY.
ILLINOIS				
Alton,Clifton Terrace	3 W		53 S1	80 oct. Data unverified.
IOWA				
Davenport,Elliot Fly.Serv	Adj S	550	50 S1	80 oct.
LOUISIANA				
Cross Lake	5 NW		100 S4	Fuel; dock.Data unver.
Westwego	1 E	S.L.	53	PRIVATE.May Brothers.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
MAINE				
Bath, New Meadows	2.3 WNW; RR S	12	60	Beach. N,S approaches blocked.
Boothbay,Frank L.Sample Jr	Adj	S.L.	Unl S1	Ramp; float.
Brunswick,Riverside Arpk.	1 WNW;RR,hwy S	60	48 S1	80 oct. Benching.
Dexter,Heart of Maine	0.5 N	483	40	Buoys;boat. Trees N,S,W.
Eagle Lake	3.8 N	574	70 S1	80 oct. Obsts.
East Holden,Holbrook Pond	1.1 NNE	200	50 S1	73 oct. Ramp;dock.
Eastport	1 W	S.L.	Unl	Ramp.
Fryeburg	2 E	358	120	Trees encircle lake.
Greenville,Moose Hd.Lake	0.6 NNW	1028	50 S4	91 oct. Ramp.
" Jct.,Squaw Mt. Inn	1.5 N	1028	52	Buoy;boat;beach;float.
Madison, Tomlinson	6.8 NE	330	158 S6	80 oct.Boat,beach ramp;all facs.
Naples	0.5 NNW	267	160 S1	80 oct. Boat.
Portage,Portage Lake	0.4 WSW	609	160 S4	80,91 oct. Beach; boat.
Shinn Pond	0.7 NE	900	60 S1	80 oct.Buoys;beach;wharf. Obst.
Winthrop,Inland Fish & Game	2.7 NNE	212	127 S1	80 oct.Buoys;beach;float.
MARYLAND				
(N) Annapolis NAP (N)	1 E	S.L.	Unl S2	Ramp;haul-out;buoys.
(N) Baltimore,Middle River NAP	10 E	S.L.	Unl S6	91,100 oct.Ramp;buoys. (N)
Baltimore	7 S; bay E		Unl L1 S4	Ramps.
Glen Burnie-Whipp	1.5 E	50	100 S6	80 oct. Ramp.
(N) Patuxent River NAS (N)	2.9 NE of Jarboesville	S.L.	Unl S4	90,100 oct. Ramps;buoys.
MASSACHUSETTS				
Agawam	1 SSE	30	100 S6	80 oct. Ramp; all facs.
Beverly,Jubilee Yacht Club	Adj S	S.L.	105 S1	Beach;dock. Avail. May - Oct.
Chatham	Adj W	S.L.	33 S2	Ramp;dolly;buoy.
Holyoke, Smiths Ferry	4.5 N	100	95	Obsts. NE, SW.
Lawrence,Merrimac Val'y Sport	2 E	7	83 S4	No sto. Ramp;float.Data unverified.
(CG)Salem CGAS (CG)	2.5 E	S.L.	150 S4	91,100 oct. Ramps.
(N) Squantum NAS (N)	0.8 W	S.L.	Unl S4	73-100 oct. Ramps;buoys;haul-out.
Swansea,Swansea Boat Yard	2.5 SSW	S.L.	211	Float;buoys;beach.
MICHIGAN				
Algonac	2.8 W	574	50 S1	73 oct.
Detroit,Motor Boat	6 ENE	575	Unl S1	Dock. Peach Island S.
" Seapl. Patrol Base Inc	4 ENE	575	Unl S1	73 oct. Dock. Belle Island S.
Kalamazoo, Austin Lake	8 SSE; RR E	855	100 S4	80 oct. Boat;beach;tractor.
North Muskegon,Interstate	0.3 S	581	100	Ramp;boat;dolly.
Trenton, Hance	5 NNE	574	Unl S1	73,80 oct. Beach;ramps.
Whitmore Lake	1 NNE	894	84 S4	Beach;boat;ramp.
MINNESOTA				
Bemidji, Moberg	1 NNE	1350	S2	80 oct.
Ely	1.5 W	1337	110 S2	80 oct. Ramps;dock.
Little Falls,Scenic Airways	0.5 N	1110	35 S1	80 oct. Ramps;beach, Poles S.
Marcel, Ranier	0.5 E	1300	30	Trees around lake.
MISSISSIPPI				
(CG) Biloxi CGAS (CG)	2 ESE	S.L.	54 S4	91 oct. Ramp.
NEW HAMPSHIRE				
Alton Bay,Interstate Awys	Adj N	504	Unl S1	80 oct. Ramp;buoys;wharf.Data unver
Hooksett	2 S	2	80 S6	80 oct. Beach;ramp;tractor.
Lakeport, Paugus Bay	1 NE	504	100 S4	73 oct. Beach;boat;ramp.
The Weirs, Weirs	0.3 SE	504	210 S4	80 oct. Ramps.
Wolfeboro	0.5 SE	504	180 S1	80 oct. Boat;wharf.
" Lakes Region	2.7 W	504	60 S6	80 oct.Ramp; all facs.
" Lake Winnepesaukee	3 WSW		60 S1	80 oct. Data unverified.

R-radio facilities. L-lighting facilities. S-servicing. (See page xxii) → NEW OR REVISED DATA. N.B. Seaplane bases and anchorages are not charted or indexed.

✓ CAUTION-Many seaplane landing areas in the North are closed during winter months because of ice.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
NEW JERSEY				
(CG) Cape May CGAS (CG)	2 NW	S.L.	60	Ramp; haul-out; buoys. INACTIVE
Little Ferry	0.5 E;brdg E	5	40 S6	80 oct.Boat;ramp;tractor.
Perth Amboy	0.5 S of brdg	5	Unl S1	80 oct.Ramp;all facs.Data unver.
Ridgefield Park,Lambrose Air College	0.5 S	5	40 S4	80 oct. Boat; ramp; winch.
Teller-Howard	1 S	5	35 S4	80 oct. Ramp; all facs.
Secaucus, Down Petrol	0.5 N;brdg S	5	50 S2	73 oct. Winch.
NEW YORK				
Alplaus, Wells	0.5 SW	200	50 S4	80 oct.No sto.Ramp.Hi-line E.
Babylon Skyport	1.5 SW	S.L.	Unl S4	80 oct. Ramps;boat.
Buffalo	7.3 NW	570	103 S6	80 oct. Ramp; all facs.
Cooperstown, Otsego	Adj NNE	1194	Unl S1	80 oct.Float;ramp;buoys;winch.
Dobbs Ferry	0.5 SW	5	100	Marine Ry;ramp;winch;float.
Eagle Bay, Adirondack	0.3 S	1707	70 S1	80 oct. Beach.
Lake George, Hall's	0.5 E	330	52 S1	73 oct. Ramp; all facs.
Montauk Yacht Club	2.5 NE	S.L.	Unl S1	87 oct.Buoys;floats. Avail.May-Oct
New York,Downtown Skyport	Foot Wall St.	S.L.	S1	Floats.
" Evers	11 NE	5	70	Ramp;buoy;boat;winch. Bridge SSW.
(N) " NAS (N)	11.8 SSE	S.L.	100 S4	73,91,100 oct.Ramps;tractor.
" La Guardia	5 E	S.L.	211 L1 S6	73-100 oct. Ramps;winch;buoys.
North Long Beach	0.4 N;brdg SW	S.L.	75 S4	80 oct. Ramp;float.
Ossining, Pickair	0.5 W	3	158 S4	80 oct. Boat;ramp.
Oyster Bay,Cold Sprg Harb.	2 E	10	50	Buoys;beach;boat;dolly.
Piseco, Knox Bay	1.5 S	1661	163	PRIVATE. Boat;beach;tractor.
Port Washington,Grumman	1.5 NW	S.L.	158 S4	Ramps; all facs.
Rochester,Point Pleasant	6 NE	246	Unl S1	80 oct. Ramp;float;dock.
Round Lake	0.5 E;RR S,W	188	48 S6	80 oct. Beach;boat;tractor.
Sag Harbor	0.5 N	5	103	PRIVATE. Ramp;tractor.
White Stone, Queens	1 N	S.L.	200 S4	80 oct Ramp;dock.
Yonkers	S end	S.L.	Unl S4	80 oct.Ramp;moor.Clsd Dec,15-Mar,15
NORTH CAROLINA				
(CG) Elizabeth City CGAS	3.5 SE	S.L.	106 L1 S4	91,100 oct. Ramps; all facs.
" Harvey Point	13 S	S.L.	Unl	Ramps.
OHIO				
Cleveland,Breckling Air Service	1 E	573	30 S4	80 oct.No sto.Ramp;boat.Data unver buoy
OREGON				
Milwaukie, Portland	3 W	10	32 S4	80 oct. Ramps;boat;beach;winch.
Ocean Lake, Devils Lake	0.7 E	S.L.	59 S4	80 oct.No sto. Beach;winch.
Portland, Safley's	5 NNW	26	60 S1	Ltd 80 oct. Ramp;beach;winch.
PENNSYLVANIA				
	0.7 S			
Beaver	0.5 S	670	50 S1	80 oct. Boat;beach;ramp;tractor.
Corsopolis	0.5 N	675	50 S1	80 oct. Boat;ramp.
Edinboro	1.2 NNW	1200	Unl S1	Ltd fuel.Beach;boat;haul-out.
Harrisburg, Air-Harbor	1 SSW;brdg SE	300	30 S4	80 oct. Boat.No sto.
Kittanning, Sedwicks	0.2 W	769	50	Float;beach;boat.
Milton	1.5 SW	440	50 S	Svcg from Milton Arpt.
Oakmont	Adj NW	725	52 S1	80 oct. Float.
Philadelphia	10 SW	10	Unl S6	80,91 oct. Ramps; all facs.
" Philadelphia Skyport	Center of city	10	Unl S6	Boat;all facs. Data unverified.
(N) " Mustin NAS (N)	4 S	S.L.	120 S6	87-100 oct. Ramp.
Pittsburgh, Buck's	at riv inter.	715	70 S6	87 oct.Boat;beach;ramp;winch.
" Dravosburg	5 SE;jct rivs	718	50 S2	80-100 oct. Ramp;float;boat.
" Highland	5 NNE	721	66 S6	80 oct. Ramp;all facs.Data unverif
Rochester	o.5 S	670	78 S1	80 oct. Float;boat.
RHODE ISLAND				
Newport	3 NW	S.L.	Unl	Ramps;buoys;boat.
(N) Quonset Pt.NAS(Providence)	16.5 S	S.L.	Unl L5 S6	91,100 oct. Ramps; all facs. (N)
TEXAS				
(N) Corpus Christi NAS (N)	9.5 SE	S.L.	Unl R1 L3 S9	91,100 oct. Buoys;ramps.
La porte, Fay Bros.	2 NE	S.L.	Unl S1	No sto. Floats;marine ry.Data unver.
VIRGINIA				
(N) Dahlgren NAF (N)	Adj SE	10	S2	Ramp.
(A) Langley (A)	3 N Hampton	5	105 S2	Dock;Closed during ice period.
(N) Norfolk NAS (N)	6 N	S.L.	123 R1 L1 S6	87,91,100 oct. Ramps;all facs.
(N) Quantico MCAS (N)	1 S	13	180 S4	Buoys;boat;ramp.
WASHINGTON				
Bellingham	5 ESE	307	158 S2	73 oct. Boat;ramp;winch.
" Lakeside Fly. Serv.	3 E	307	106 S1	73 oct. Buoy;boat.
Bremerton	0.75 E	S.L.	211 S6	80 oct.No sto.Ramps;winch;hoist.
(N) " NAS (N)	0.5 S	S.L.	Unl S4	Ramp;buoys;haul-out.
Chelan, Air Harbor	0.8 W	1079	Unl S1	73 oct. Boat;beach;ramp.
Coulee Dam	3 ESE	1275	Unl S2	73 oct. Boat;beach;marine ry.
Longview, Sky Harbor	1.3 ENE	5	37 S1	73 oct. Float;beach.
(N) Oak Harbor NAS (N)	0.5 SE	S.L.	Unl R1 S	Fuel,sto,prior req.Ramps;buoys.
Oroville, Dorothy Scott	1.7 N	913	52	Boat;beach.
(N) Port Angeles CGAS (N)	2 NNE	13	Unl S4	Ramp; all facs.
Port Townsend	Adj S	S.L.	150 S4	Ltd fuel. Buoys.
Prosser, L & D	1 W	632	76 S1	80 oct. Ramp. 100' pole line WSW.
Seattle,Kurtzer Fly.Svcg.	In city	S.L.	79 S4	80 oct. Ramps;hoist.
(N) " NAS (N)	6 NNE	36	300 L S6	87-100 oct. Ramps; all facs.
" Seattle Service	In city	20	53 S2	80 oct. Ramp;boat.
Tacoma, Float Haven	0.7 NE	S.L.	26 S1	80 oct.Ramp;floats;boat;winch.Prdg SSE.
Wenatchee	0.5 E	600	53 S1	73 oct.Boat;beach;ramp.
WEST VIRGINIA				
Charleston,Kanawha Flying School	Center of city	586	50 S6	80 oct. Boat;ramp;winch.
Wheeling	Center of city	630	50 S1	87 oct.Boat. Bridges S.
South Charleston	W of city	560	Unl S6	80 oct.Boat;ramp;winch. Data unver.
WISCONSIN				
Madison, Jackson	3 WNW	849	Unl S2	80 oct. Dock;float
Milwaukee	3 ESE;hwy w	585	185 S6	80,91 oct.
Bangor, Down East (Maine)	3 NE		106 S4	80 oct.No sto.Ramp;float;beach.Data
Fall River (Mass.)	2 E	131	119	Data unverified unverified.
Gloucester (Mass.)	0.3 W	S.L.	50 S4	80 oct.No sto.Morrings;float.Data
South Hadley (Mass)	1 W	95	100 S4	80 oct. Data unverified. unverif.
Lowell (Mass.)	1 W	95	92 S3	Data unverified.
Lawrence,Merrimac Val'y(Mass)	2 W	45	50	Data unverified.
New Bedford (Mass.)	In harbor	S.L.	Unl	Data unverified.
Athens (New York)	Adj E		Unl S1	73 oct. Float. Data unverified.
Bay City,James Clements	3.7 S	580	35 S4	80 oct. Data unverified. (Mich.)
Comstock Park,Grand River	1 S		50	Data unverified. (Mich.)
Curtis,Ostrander's Forest Inn (Mich.)	1 N		Unl S1	80 oct. Moor.Data unverified.
Iron Mountain,Lake Antoine	1 NE		Unl	Beach. Data unverified.(Mich.)
St.Clair Shores,Jay Bee	Adj.		Unl S1	80 oct.Ramp.Data unverified(Mich.)
Old Mission (Mich.)	Adj E.	581	120 S1	80 oct.Beach.Data unver.
Connecticut Valley(Windsor Locks,Conn.)	2.5 S.		158 S4	80oct.Hi-tension wires N.Closed winter.Data unver.
Drummond,Smith Lake(Wisc)	9.5 W		30 S1	80,91oct.Beaching. Data unverif.
Drummond,Sweet Lake(Wisc)	9.5 W		40 S1	80,91 oct.beaching. Data unverif.

R-radio facilities. L-lighting facilities. S-servicing. (See page x(11)) → NEW OR REVISED DATA. N.B. Seaplane bases and anchorages are not charted or indexed.

NOTICES TO AIRMEN

INTRODUCTION

PROCEDURAL STATEMENT: The AIRMAN'S GUIDE no longer has a separate section for the DIRECTORY OF AIRPORTS or the AIR NAVIGATION RADIO AIDS. These two sections are now inserted as data pages between the flight planning charts. To retain the 2-page chart flow, however, the data pages are found on the reverse sides of the charts rather than facing them. On the data pages are tabulated all the data covering the facilities charted on the reverse sides and formerly found in the DIRECTORY OF AIRPORTS and AIR NAVIGATION RADIO AIDS sections. To facilitate reference to a particular facility, an Index of Facility Locations with the parenthetical number of the page on which the locale is charted has been added to the revised AIRMAN'S GUIDE, e.g., Chicago (139). On the back of page 139 will be found the Air Navigation Radio Aids and the Directory of Airports data covering Chicago.

Because of the serious paper shortage every means of reducing the Airman's Guide bulk has been investigated. Codification and considerable abbreviation are already being utilized. No material may be deleted, however, in this paper conservation program because surveys have revealed that subscribers consider all parts of the Guide essential. Consequently, about the ultimate step in this bulk-reduction direction has just been taken. The data pages backing the charts now serve, where possible, as notam pages. Resultantly, most of the new data formerly notamized in the Notices to Airmen section with prefixed large stars or double asterisks are no longer carried in that section. Only commissionings, abandonments, or changes so potentially hazardous that they are indicated with (R) (for red flag) symbols on the charts, are now cited in the Notices to Airmen section.

Notamizing on the data pages is effected by the use of prefixed arrows as in the former Air Navigation Radio Aids publication. All changes from the previous issue, whether cited in the Notices to Airmen section or not, are indicated by the prefixed arrows. Following are examples of changes notamized only on the data pages: field obstruction, servicing, elevation, location, and runway length changes. Because of the use of the prefixed arrows as new data indicators, a further innovation had to be adopted. This is a heavy black horizontal line device.

Space below the heavy black horizontal lines on the data pages has been reserved as a supplement for new radio aids and airports whose data were received after the data pages were originally typed. Revisions to existing airports and radio aids are super-imposed on the old data, but new airports and radio aids are listed, necessarily out of alphabetical alignment, below the heavy black horizontal lines until the page is re-typed.

In summation: (a) on the data pages backing the charts, new data or revisions are indicated by arrows; (b) in the Notices to Airmen section, citations covering new or revised radio data are prefixed by one large star "★". Citations covering new or revised airport, or miscellaneous data are prefixed by two asterisks "**".

All temporary conditions (field soft, runway under construction, range course out of alignment, etc) are cited in full until they are no longer in effect. When a citation carries a permanent item and a temporary item, the permanent item is underlined. Parenthetical date at end of item indicates time item was reported.

To conform to chart practice, all facility data are listed in the Notices to Airmen section and on data pages alphabetically by states and by facility name. Thus, an airport will be found listed alphabetically under its own name rather than under its locale's name. If the airport or radio facility name is other than that of the city in which it is located, the location is shown in parenthesis after the facility name.

CIVIL FACILITY DATA: Please advise immediately the Office of Aviation Information, Attention A-250, CAA, Department of Commerce, Washington 25, D. C., whenever temporary conditions covering civilian airports or navigational aids begin or terminate, data revisions are effected, or flight hazards are erected or removed.

SPECIAL NOTICES

ARMY DATA: Advice covering Air Forces Fields or Air Forces Operations on civilian fields, or AAF Radio Facilities, and Danger or Caution Area activation, as well as requests for approval for the closing of any army airfields to transient military aircraft for a period in excess of ten days should be directed to: COMMANDING GENERAL, AIR TRANSPORT COMMAND, WASHINGTON 25, D.C. ATTENTION: HEADQUARTERS FLIGHT SERVICES, FLIGHT OPERATIONS. Information to be published will be coordinated and submitted to the C.A.A.

NAVY FACILITY DATA: In accordance with Hydrographic Office Memorandum for Aviations No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air/ground communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25, D. C., for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter #96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

POLICY ON ARMY USE OF TEMPORARILY INACTIVE ARMY AIR FIELDS: 1. Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein by the following notice: "Army temp inactive - civil facs". 2. Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft on official business only under written orders of an air force, command or higher authority. Individual orders for each flight rather than blanket authority is desired. Such airfields will be identified herein by the following notice: "Temp inactive - no facs. (see Special Notice re use)". Operation of Air Transport Command hospital evacuation aircraft will not be limited in any respect by above policy. Above policy statement is not to be construed as countermanding any AAF regulations or letters governing command use of municipal airports or Army airfields.

"OFFICIAL BUSINESS" AS APPLIED TO AAF: The term "official business", within the meaning of AAF Regulation 85-2, is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units or organizations at or near the airfield selected for landing for the purpose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining aircraft clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintining flying proficiency are not considered to be official business within the meaning of this regulation.

AIRPORTS AVAILABLE FOR USE BY MILITARY AIRCRAFT: The attention of Army clearance personnel and of Army pilots is invited to provisions of Section III of Army Air Forces Regulation 85-2, which states in part: "The use by Army aircraft of private airports which have not been leased, purchased, or otherwise acquired by the

✓ Indicates new or revised Special Notice.

Federal Government is unauthorized except in case of emegency or for official visits authorized by an Air Force or Command". This Regulation further states "AAF transient itinerant aircraft may utilize: (a) Government or DLA (development landing area) type airports, subject only to such restrictions as may be listed from time to time in Weekly Notice to Airmen . . . (b) Private airports when legal permits for their limited use are procured by, and filed with the real estate agency of the War Department. . .". Reference to the AAF Installations Direction, and to the Data Pages as well as the Notices to Airmen section of the Airman's Guide should be made in case of doubt as to the proper use of fields. On the Data Pages, all AAF installations are designated by the prefix (A), Navy by (N) and DLA by (P).

RESTRICTION ON C-45, AT-7, AT-11, F-2, and CQ-3 ARMY AIRCRAFT: Upon compliance with following items and notation in Form 1B of each aircraft certifying completion, above types of aircraft may be cleared for IFR flight: (a) Replace all gyro units which on flight check spill either gyro at less than 45°; (b) Compliance with T.O.01-90C-9; (c) Compliance with applicable modifications on auto-pilots prescribed by T.O.'s 01-90-50, 01-90-54, 01-90-52, 01-90-56; (d) Modify receiver dials so that index is turned 90° toward pilot as described in item 7, page 6, T.O. 00-65-14; (e) Periodic inspections prescribed in T.O. 05-45BA-2 for Jack and Heintz instruments and T.O. 45AB-2 for Sperry instruments.

RESTRICTION ON FLIGHT OF AAF AIRCRAFT IN NEW YORK CITY AREA: Effective immediately no AAF acft except those on scheduled transport operations will be cleared to New York City Area unless point of first intended landing is Mitchel Field, Hempstead, L.I.,N.Y. When instrument conditions prevail in New York City Area, no Army aircraft except those on scheduled transport operations will land at or take off from other than Mitchel Field. When contact conditions prevail in New York City Area, aircraft which have been cleared for Mitchel Field but which desire to land at other authorized fields in New York City Area, will, when approaching New York City Area, obtain clearance from New York Flight Service through normal communication means. For purposes of these instructions, New York City Area is defined as a circle 50 miles in diameter contered on southern tip of Manhattan Island. Contact weather New York Area will be considered to be: 2000 feet ceiling, 3 miles visibility, both day and night. When cloud conditions exist below 2000 feet flight conditions will be considered IFR.

RESTRICTION OF PHILADELPHIA, PA. AREA: Between Nov. 27 and Dec. 2, inclusive, no Army aircraft are to be cleared to Philadelphia, Pa. Area or to within radius of 50 miles thereof except those on official written orders.

RESTRICTIONS ON AAF HELICOPTERS: YR-5A,R-5A,YR-5D,R-5D (except as indicated below*) and YR-5E helicopters are grounded and will not be flown.

*R-5D helicopters No. 43-46643 and subsequent have been modified by the contrator and may be released for flight.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA - Morrison Field, Fla.; Washington National Airport, D.C.; or Westover Field, Mass. ALASKA - McChord Field, Wash.; Great Falls AAF, Mont. BERMUDA - Mitchel Field, N.Y.; Morrison Field, Fla.; Washington National Airport, D.C.; or Westover Field, Mass. CANADA - Great Falls AAF, Mont.; McChord Field, Wash.; Washington National Airport, D.C.; Selfridge Field, Mich.; or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif.; Kelly Field, Tex.; or Morrison Field, Fla. CARIBBEAN - Morrison Field, Fla.. ENGLAND, GREENLAND, ICELAND, NOVA SCOTIA, NEWFOUNDLAND, AND NORTH IRELAND - Washington National Airport, D.C., and Westover Field, Mass. (Note: Selfridge Field also will clear for Nova Scotia and Newfoundland). HAWAII - Fairfield-Suisun AAF, Calif.

OPERATING PROCEDURE UNDER AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): 1. Departure from AAF Bases. No change. Reference: AAF Regulations 15-23 and 60-22. 2. Departure from non-AAF Bases. AAF aircraft departing from non-AAF bases will file a complete flight plan with, and secure approval from, the nearest Flight Service Center prior to takeoff, or as outlined in AAF Regulation 60-22. Communications with a Flight Service Center may be estab. by direct telephone to the center; or by a radio call to the nearest AAF Base or AACS airways radio station. In addition to the Flgt Service clearance, pilots contemplating flight under Instrument Flight Rule conditions will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA Communication facilities. However, if CAA Communication facilities are not available, the CAA clearance may be obtained through Flight Service. 3. Change of Contact Flight Rule (CFR) Flight Plan Enroute. AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACS Airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of Instrument Flight Rule (IFR) Flight plan, or CFR to IFR, or IFR to CFR enroute. AAF aircraft requiring a change of route, altitude, point of first intended landing, cruising speed or alternate airport, or change from CFR to IFR or IFR to CFR enroute, will contact a CAA communications station for coordination and approval by CAA Airway Traffic Control and Flight Service. If communications with CAA communications station cannot be established, AACS Airways radio station will be contacted for coordination and approval by CAA Airway Traffic Control and Flight Service. 5. CFR Position Reports. When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS Airway radio stations enroute and receive any necessary advisories from Flight Service.
6. IFR Position Reports. When flying under IFR conditions, pilots will first make position reports to CAA communication stations as heretofore required, and will then make position reports to AACS Airways radio stations in order that the responsible Flight Service Center may furnish any necessary advisories. 7. Voice Calls. AACS Airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio".
8. All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency and service obtainable. An index to AACS Airways Stations within the U.S., together with a listing of the assigned frequencies, may be found on pages 94 and 95 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service
A	116.10 mc.	CAA AIRWAYS (RANGE STNS) *AACS Airways (Plan 62)
B	126.18 mc.	CONTROL TOWERS
C	137.88 mc.	AACS AIRWAYS (PLAN 62) *Control Towers.
D	140.58 mc.	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL.

* Available for service indicated on a secondary basis.

9. It will be some time before all AAF aircraft are equipped for operation on AACS Airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt

to make position reports to Flight Service as described above. However, emergency Flight Service advisories may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS Airways frequencies will contact airways stations whenever possible rather than AAF control towers.

10. The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA Area	Flight Service Area	Phone No.
Washington Pittsburgh New York Boston	Olmsted Flight Service Center Middletown, Pa.	Steelton 93387 Steelton 93470
Jacksonville Miami	MacDill Flight Service Center Tampa, Fla.	H-4871
Memphis New Orleans Atlanta	Maxwell Flight Service Center Montgomery, Ala.	Montgomery 89
Detroit Cincinnati St. Louis Chicago	Wright Flight Service Center Dayton, Ohio	Osborn, Ohio MO-88691
Fort Worth San Antonio	Fort Worth Flight Service Center Ft. Worth, Texas	Ft. Worth 77251
Denver Minneapolis	Lowry Flight Service Center Denver, Colo.	Dexter 1553 Dexter 1554
Los Angeles Albuquerque El Paso	March Flight Service Center Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland Salt Lake	Hamilton Flight Service Center San Rafael, Calif.	San Rafael 5800 Text 2165 or 2167
Great Falls Seattle	McChord Flight Service Center Tacoma, Wash.	Lakewood 3324

ARMY AIRWAYS FACILITIES: In accordance with AAF Letters 100-74, 100-89, 100-2 and AAF Manual 100-63-1, the AAF Military Flight Service Communications System was placed in operation November 1, 1946. This new system, replacing the leased CAA communications system previously used for CFR flight plans and associated communications, handles AAF operational point-to-point and air-ground communications pertaining to departures, arrivals, emergency rescue, hurricane evacuation, flight advisories, clearances, transportation and cargo services, training, bomb scoring, and RON messages The CAA continues to handle IFR flight in accordance with statutory responsibility. Operating instructions for the guidance of AAF pilots are furnished by special notice entitled: "Operating Procedure under AAF Military Flight Service Communications System (Plan 62)". This system is operated by 9 AAF Military Flight Service Communications Centers located at the following points which will have an area of responsibility corresponding to that or two or more CAA airway traffic control centers as indicated: McChord Field, Wash. (Area encompasses present Seattle and Great Falls CAA Areas); Hamilton Field, Calif. (Area encompasses present Oakland and Salt Lake City CAA areas); March Field, Calif. (Area encompasses present Los Angeles, Albuquerque, and El Paso CAA areas); Lowry Field, Colo. (Area encompasses present Denver, and Minneapolis, and Kansas City CAA areas); Ft. Worth AAF, Tex. (Area encompasses present Ft. Worth and San Antonio CAA areas); Maxwell Field, Ala. (Area encompasses present Memphis, New Orleans, Atlanta CAA Areas); MacDill Field, Fla. (Area encompasses present Jacksonville and Miami CAA Areas); Olmsted Field, Pa. (Area encompasses present Washington, Pittsburgh, New York, and Boston CAA areas); Wright Field, Ohio (Area encompasses present Detroit, Cleveland, Cincinnati, St. Louis, and Chicago CAA Areas). Communications with Army aircraft are accomplished by means of HF and VHF installations as listed on pages 94 and 95 of T.O. 08-15-1 of November 15, as well as by means of AAF control towers. Almost all of air/ground stations listed are now in operation. Notice of inoperativeness or of changes therein will be given in "Notices to Airmen" Section.

STANDARD NAVY GROUND CONTROL APPROACH FREQUENCY ASSIGNMENTS: Allocations of frequencies, both HF and VHF, for Navy GCA use have been coordinated with the AAF. Universal frequencies allocated primarily for Navy GCA operational use are as follows: HF Communications - 3475 kcs., 4890 kcs., 6640 kcs.; VHF Communications - 134.64 mcs., 142.02 mcs., 143.64 mcs. As a safety precaution, Navy GCA Units will also be prepared to control aircraft on 140.58 mcs., the Navy emergency frequency. To provide a means whereby Navy aircraft may receive assistance from Army GCA Units and vice-versa, the following agreement will govern: (a) Army GCA Units will at all times be prepared to control Navy Aircraft on 140.58 mcs. (b) Navy GCA Units will be prepared to control AAF aircraft on 140.58 mcs. It is the responsibility of the pilot desiring GCA assistance to establish communication with the appropriate control tower for preliminary approach instructions. The pilot will then be instructed as to the proper frequency for contacting the GCA Unit. Navy GCA Operational Units are located as follows: Whidbey Island NAS, Wash.; Charlestown NAAS, R.I.; Oakland NAS, Calif.; Miramar MCAS, Calif.; Seattle NAS, Wash.; Olathe NAS, Kans.; Oceana NAAS, Va.; Patuxent River, Md.

LORAN DATA: Loran is a long range electronic navigational aid utilizing pulse techniques. It provides accurate fixes for the user within one per cent of his distance from the stations. Loran service is provided continuously twenty-four hours a day. Loran operates on fixed frequencies of 1750, 1850, and 1950 kcs. To use Loran it is required that a Loran receiver-indicator be employed and that suitable charts and tables be available to the navigator. The following is a list of Coast Guard and Canadian Loran rates presently in operation: Atlantic: 1L-0, 1L-2, 1L-3, 1L-4, 1L-7, 1H-1, 1H-2, 1L-1; West Coast U.S.: 2H-4, 2H-5, 2H-2; Aleutian Area: 1L-0, 1L-2; Central and Western Pacific: 2L-0, 2L-1, 2L-2, 2L-3, 4H-2, 4H-3, 4H-4, 4H-5, 1L-6, 1L-7. Information regarding Loran coverage, rates, frequency, etc., throughout the world is contained in the Catalog of Loran Charts and Service Areas, Hydrographic Office Publication No. 1-L. This publication may be obtained from Hydrographic Office agents located in various cities in the United States or from the Hydrographic Office, Washington, D.C., at a cost of 30¢. Complete Loran tables are contained in Hydrographic Office Publication Series No. 221, which can be obtained from the same sources at a cost of $3.00 per volume. Loran charts may be similarly obtained. Hydrographic Office Circular No. 3 and the Hydrographic Bulletin (issued weekly) give a list of these agents mentioned above and may be obtained without charge from the Hydrographic Office or any Branch Hydrographic Office. Changes in Loran service are broadcast in Hydrolants and Hydropacs, and as local broadcasts, the stations, frequencies, and schedules being listed in the first Hydrographic Bulletin issued each month. Inquiries of an operational nature regarding Loran may be addressed to the Commandant (OAN), U.S. Coast Guard, 1300 E Street, N.W., Washington 25, D. C.

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

FOREIGN ENTRY PROCEDURES: Every U.S. citizen traveling abroad, except to Canada, Mexico, Alaska, Hawaii, Puerto Rico, and the Virgin Islands, requires a passport. The following procedures are necessary in order to gain entry, with intention to land, in Canada and Mexico:

CANADA: 1. All departures from the U. S. must be made from Airports of Entry (See next item). 2. If landing is to be made at a designated Canadian Airport of Entry, notice should be telephoned or telegraphed to the collector of customs at the predetermined point of entry when clearing U.S. Customs. 3. If entry is planned at a field other than a customs airport, arrangements should be made with the Secretary,

Customs Division, Department of National Revenue, Ottawa, at least 10 days in advance. 4. Pilots and aircraft must be properly certificated and general observance of Canadian air regulations is required. 5. The following is a list of all Canadian Customs Airports of Entry: Whitehorse, Y.T.; Vancouver, B.C.; Calgary, Alta.; Lethbridge, Alta.; Moose Jaw, Sask.; Regina, Sask.; Winnipeg, Man.; Ottawa, Ont. (Island or Malton); Hamilton, Ont.; Windsor, Ont.; Montreal, P.Q. (Dorval); Fredericton, N.B.; St. John, N.B.

MEXICO: Applications for permits may be filed with the nearest Mexican consul who charges a fee of $4.00, or directly with the Department of Civil Aeronautics, Mexico City, Mexico, without charge. The permit will be sent directly to the Airport of Entry named in the application, unless the applicant specifically requests that it be sent to his home address. If entry is to be made from Brownsville, Tex., permission may be received from Representative of Mexican Ministry of Communication and Public Works, Department of Civil Aeronautics, Rio Grande Valley International Airport, Brownsville, Texas. All departures from the U.S. must be made from Airports of Entry. (See next item).

AIRPORTS OF ENTRY: Customs clearance into or out of the U.S. must be secured at Airports of Entry. Since there is insufficient traffic at most of these fields to justify resident customs personnel, advance notice must be sent to the Deputy Collector of Customs of the city in which the Airport of Entry to be used is located. The notice should state the day and approximate hour of exit or entry. Following are the Airports of Entry: International Arpt, Douglas, Ariz.; Nogales International Arpt, Ariz.; Calexico, Arpt, Calif.; Lindbergh Field, San Diego, Calif.; Meacham Fld, Key West, Fla.; Dinner Key Seaplane Base, Miami, Fla.; Miami International Arpt, Fla.; Midet Seaplane Base, West Palm Beach, Fla.; Caribou Arpt, Me.; Presque Isle Arpt, Me.; Detroit City Arpt, Mich.; Romulus AAF, Mich.; Sault Ste Marie Arpt, Mich.; Williamson-Johnson Fld, Duluth, Minn.; Duluth Boat Club Seaplane Base, Minn.; Cut Bank Arpt, Mont.; Great Falls Arpt, Mont.; Havre City-County Arpt, Mont.; Albany Arpt, N.Y.; Buffalo Arpt, N.Y.; Malone-Dufort Arpt, N.Y.; Massena Arpt, N.Y.; Ogdensburg Arpt, N.Y.; Ogdensburg Seaplane Base, N.Y.; Rochester Arpt, N.Y.; Rouses Point Seaplane Base, N.Y.; Watertown Arpt, N.Y.; Grand Forks Arpt, N.D.; Pembina Arpt, N.D.; Portal Arpt, N.D.; Cleveland Arpt, Ohio; Hinde Arpt, Sandusky, Ohio; Put-In-Bay Arpt, Ohio; Eagle Pass Arpt, Tex.; El Paso Arpt, Tex.; International Arpt, Brownsville, Tex.; Warren R. Austin Arpt, Swanton, Vt.; Bellingham Arpt, Wash.; Burlington Arpt, Vt.; City-County Arpt, Port Townsend, Wash.; Felts Fld, Spokane, Wash.; King County Arpt-Boeing Field, Seattle, Wash.; Lake Union Seaplane Base, Seattle, Wash.

CUSTOMS REPORTS: In making flights TO or FROM a foreign country, civilian fliers are required to report to a customs officer. If they do not report, they are subject to a civil penalty of $500.00 for each violation, and any aircraft used in connection with any such violation is subject to seizure and forfeiture, as provided for in the customs laws. On flights from foreign territory, the first landing in the United States is required to be made at an Airport of Entry, unless permission to land elsewhere than at an airport of entry is granted by the Commissioner of Customs, Washington 25, D.C. Consult the nearest customs officer before making foreign flights.

U.S. CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: Although the CAA does not require special permission for the flight of U.S. aircraft abroad, or for the delivery of aircraft exported to foreign countries all aircraft must be registered and certificated as to airworthiness, and pilots must hold appropriate U.S. pilot certificates. The single exception to the above is: Special permission must be obtained from the Director, Aircraft and Components Service, CAA, Washington, D.C., for any flight into or through the Panama Canal Zone. In general, permission must be secured from foreign countries for the conduct of scheduled or non-scheduled operations from the U.S. Specific information may be secured from the Aviation Division, State Department. All air carriers must secure operating certificates from the CAA and their operations must be in conformance with these certificates. Although there are no Federal taxes on the exportation of aircraft from the U.S. , it is mandatory that a license for such export be obtained from the State Department.

CANADIAN REGULATIONS FOR CFR FLIGHTS: (a) It is compulsory for pilots desiring to conduct a CFR flight to file a flight plan unless the flight will be made within a radius of 25 miles of the point of departure. (b) Arrival messages must be filed by pilot on all such CFR flights.

CANADIAN INSTRUMENT FLIGHT RULE FLIGHT: Pilots are cautioned to conform to the requirements of C.A.R. 60.2 where flight is proposed to be conducted under Instrument Flight Rules from the United States into air traffic control areas designated in Canada. Failure to adhere to these regulations may result in detention of pilots concerned by Canadian Authorities.

PANAMA CANAL ZONE, FLIGHT INTO: Prior to take-off from any aerial port of embarkation of any aircraft flight into, or through, the 200 mile area blanketing the Canal Zone, Commanders of Military Aircraft will notify the CG 6th Fighter Wing, Attention: Fighter Controller, by an information copy of their flight plans. With a view to safety and protection of their equipment and personnel, operators of all other aircraft should follow the same procedure. Responsibility for this notification of flight plans lies with the operator, but notification will normally be transmitted by the clearance authority at the point of departure.

SAN JUAN, P.R., PRE-FLIGHT CLEARANCES: The Isla Grande Airport at San Juan, Puerto Rico, is a part of the U.S. Naval Air Station, San Juan. Commercial air carriers may not operate at this field without receiving specific authorization from the Chief of Naval Operations, Washington, D.C. The Commanding Officer NAS, San Juan, may grant permission for one or two isolated landings. In any case, proper authority must be obtained prior to landing at San Juan. Privately owned aircraft in a ferry status must obtain permission from the commanding officer before landing at Isla Grande Arpt.

CARIBBEAN AREA-RADIOBEACONS FOR USE WITH ADF: The following Coast Guard Radiobeacons now operate continuously in their assigned sequence, i.e., one minute on, two minutes off, 24 hours daily:

II San Juan 296 . - - . Lat 18-24-14 N, Long. 66-07-03 W
I Goat Island (Jamaica) 304 . . - . Lat 17-53-00, Long. 77-04-14 W
I Trinidad 308 - . . . Lat 10-41-23 N, Long. 61-44-44 W

It is requested that all ships and aircraft using these beacons submit comments to the Commander, 10th Coast Guard District, Arsenal, Marina, San Juan, P.R., as to usefulness with ADF equipment, bearing accuracy obtainable, maximum usable range, ease of identification, etc.

VILLA LANDING FIELD, ANTIGUA, B.W.I., CLOSING OF: The Villa Landing Field at Antigua, B.W.I. has been abandoned, and is no longer available for aircraft use.

PRE-FLIGHT SERVICE: Pilots desiring to file flight plans are requested to do so with any CAA Airway Communication Station by personally visiting the station or by telephone. Radio should be used for filing flight plans only as a last resort. Pilots are urged to visit communications stations to obtain authentic flight information and assistance in planning their flights. Personnel at these stations are trained to render flight planning assistance. An objective of CAA pre-flight service is to encourage pilots to familiarize themselves with flight conditions prior to commencing cross country flight.

TRAFFIC CLEARANCES: In order to prevent delay to aircraft operating in contact flight rule weather conditions and yet ensure adequate separation when and if instrument flight rule weather conditions are encountered, traffic clearances to pilots filing instrument flight rule (IFR) flight plans may amend such flight plans by requiring flight in accordance with contact flight rules (CFR) for all or a portion of the flight. A traffic clearance will specify the approved altitude followed by the abbreviation "CFR". Upon receipt of such clearance, the pilot will be responsible for avoiding other aircraft while operating in CFR weather conditions and for securing an amended clearance at the specified altitude before IFR weather conditions are encountered. The pilot must remain in CFR weather conditions until the amended clearance is received. For efficient operation, the use of this procedure can be determined only by Air Traffic Control. Pilots, therefore, should not file "altitude/CFR" in any flight plan; "altitude/CFR" is to be used only in a traffic clearance issued by Air Traffic Control.

AIRPORT APPROACH ZONES AND AIRPORT TRAFFIC ZONES CFR MINIMA. Part 60 specifies that CFR traffic within Airport Traffic Zones or Airport Approach Zones must maintain 500 foot vertical and 2000 foot horizontal separation from the clouds unless given traffic clearance by the control tower or control center concerned. Even under such clearance CFR flights must remain clear of clouds. These airport traffic zones and airport approach zones are indicated on the Flight Planning Charts of the Airman's Guide, and all recently revised Coast and Geodetic Survey Aeronautical Charts. In the interest of safety CFR flights must maintain the 500 foot and 2000 foot minima specified above while in these circular charted zones. (See page VIII of this publication for air traffic control procedures and weather minima).

✓ AIRWAY TRAFFIC CONTROL AREA BOUNDARY REVISION: The control boundary between Cleveland and Chicago on Green Airway No. 3 was changed to 25 miles E of Goshen, Indiana, range station.

✓ FLIGHT ADVISORY BOUNDARY REVISIONS: The Flight Advisory Area boundaries between Fort Worth, Memphis, and St. Louis were changed in part to the following:

(a) Fort Worth-Memphis: From a point on non-controlled Blue Airway No. 22 (25 miles SE of the intersection of Blue Airways Nos. 22 and 34), S to a point on Green Airway No. 5 (25 miles NE of the Texarkana, Ark. range station).

(b) Fort Worth-St. Louis: From a point on Amber Airway No. 4 (25 miles NE of the Newalla intersection), SE to a point on non-controlled Blue Airway No. 13 (25 miles S of the intersection of Blue Airways Nos. 13 and 34), NE to a point on non-controlled Blue Airway No. 22 (25 miles SE of the intersection of Blue Airways Nos. 22 and 34).

(c) Memphis-St. Louis: From a point on Amber Airway No. 5 (25 miles N of Advance, Mo. range station), SW to a point on non-controlled Blue Airway No. 22 (25 miles SE of the intersection of Blue Airways Nos. 22 and 34).

✓ CANADIAN CIVIL AIRWAY DESIGNATIONS: The following additions to the Canadian and Newfoundland Airway Designations became effective Nov. 1, 1946: (1) Amber Airway No. 3. From the int. of the NE leg of Yarmouth, N.S., range station and the SW leg of Greenwood, N.S., range station, via Greenwood, N.S., range station, to the int. of the NE leg of Greenwood, N.S., range station and the SE leg of Moncton, N.B., range station. (2) Amber Airway No. 4. From Princeton, B.C., range station, via Ashcroft, B.C., range station; Dog Creek, B.C., range station; Quesnel, B.C., range station; Prince George, B.C., range station

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✓ CANADIAN AIR ROUTE DESIGNATIONS: The following Air Routes in Canada and Newfoundland became effective Nov 1, 1946. All previously established Air Routes are hereby cancelled. (1) Green Route No. 3. From Stephenville, Nfld. range station, via the intersection of the SE leg of Buchans, Nfld. range and the SW leg of Gander, Nfld. range to Torbay, Nfld. range station. (2) Red Route No. 1. From Seven Islands, Que. range station to Goose Bay, Lab. range station. (3) Red Route No. 2. From Regina, Sask. range station to Saskatoon, Sask. range station. (4) Red Route No. 3. From Sydney, N.S. range station to Gander, Nfld. range station. (5) Red Route No. 4. From Sydney, N.S. range station, via Argentia, Nfld. range station to Torbay, Nfld range station. (6) Red Route No. 72. From the intersection of the E leg of Presque Isle, Me. range and the NW leg of Blissville, N.B. range to the intersection of the W leg of Stephenville, Nfld. range and Red Route No. 74. (7) Red Route No. 74. From Charlottetown, P.E.I. range station to Stephenville, Nfld range station. (8) Blue Route No. 9. From Fort William, Ont., range station to Armstrong, Ont. range station. (9) Blue Route No. 83. From Prince George, B.C. range station to Fort St. John, B.C. range station. (10) Blue Route No. 84. From Edmonton, Alta. range station, via Fort Mc Murray, Alta. Airport, Embarras, Alta. Airport; Fort Smith, N.W.T. Airport; Fort Resolution, N.W.T. Airport to Yellowknife, N.W.T. Airport.

✓ ACTIVATION OF NEW YORK OCEANIC ATC CENTER: Effective Nov. 15, 1946, New York Oceanic ATC Center activated ATC in all navigable airspace within that portion of the Atlantic Ocean bounded on the N by lat. 43°00': on the E by long. 45°00'; on the S by lat. 30°00', and on the W by the E Coast of the United States. To facilitate movement of traffic, New York Oceanic control center has apportioned certain sectors of this area and delegated responsibility, therefore, to Boston, New York, Washington, Jacksonville, Domestic ATC centers and the Bermuda approach control center. The sectors designated are: Boston, bounded on the N and W by lat. 43°00' and the E coast; on the E by a line 100 nautical miles equi-distant from the coast or long. 67°00' whichever is less, and on the S by lat. 41°30'; New York bounded on the W by the East Coast; on the N by lat. 41°30'; on the E by a line 100 nautical miles equi-distant from the Coast, and on the S by lat. 39°30'. Washington bounded on the W by the East Coast; on the N by lat. 39°30'; on the E by a line 100 nautical miles equi-distant from the Coast and on the S by lat. 34°40' Jacksonville bounded on the W by the East Coast; on the N by lat. 34°30'; on the E by a line 100 nautical miles equi-distant from the Coast and on the S by lat. 30°00'. Bermuda 150 nautical mile radius of Kindley Field. Air traffic control will be effected in accordance with procedures promulgated by the Provisional International Civil Aviation Organization (PICAO) and New York Oceanic Air Traffic Control Center, operations letters insofar as known air traffic and available communications facilities permit. All aircraft to be operated within this area shall file a flight plan during instrument flight rule conditions or when proceeding beyond 100 nautical miles from the Coast Line. Aircraft shall establish and maintain a continuous listening watch on wireless telegraphy with the air/ground station at New York or Bermuda except when maintaining a continuous listening watch by radio telephone.

NEW PRIVATE FLIER FREQUENCIES: Effective Jan 1, 1947, all CAA Communications Stations will guard 122.1 mcs. and CAA operated towers will guard 122.5 mcs. in addition to those frequencies now guarded. These are the new frequencies assigned for use by private fliers for air/ground communications.

GUARDING OF 3117.5 KCS. BY CAA AIRWAY COMMUNICATIONS STATIONS: All airway communications stations located at points also served by CAA airport traffic control towers discontinued continuous listening watches on 3117.5 kcs. Hereafter, communications stations at these locations will establish watches on 3117.5 kcs. upon "request" and during such hours as the associated tower is closed.

OPERATION OF SEAPLANES ON THE NEW YORK STATE CANAL SYSTEM: An official complaint has been received from the State of New York, Department of Public Works, that the New York State Canal channel is being used for the taking off and landing of aircraft. This channel is very narrow and has numerous curves. The taking off and landing of aircraft on this channel, therefore, is dangerous and presents a hazard to canal traffic and small boats. All airmen are cautioned that such activities may constitute careless or reckless operation of aircraft.

AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: (a) Correct T.O. 08-15-1, dated Nov. 15, 1946, by deleting frequency of 126.18 mcs. for Mitchel Field, N.Y.; by showing the minimum instrument clearance altitude of 2000' from Torbay to Gander, Nfld., and 3000' from Gander to Torbay; Page 95, Index to Airways and Air Communications Service in U.S. by showing Sherman Field, Ft. Leavenworth, Kans., instead of Topeka AAF, Kans.; Page 138, by showing contact course from Washington National Airport to Andews Field as 114°.

(b) Correct Flight Chart 186, dated Aug. 17, 1946, by showing the frequency for Baton Rouge, La. Range as 347 kcs. instead of 247 kcs.

WEATHER REPORTING SERVICE

Weather Reporting Stations	Type of Stations		Lat. Long.	Elev.	Effective Date
Richmond, Ind.	Hourly	Closed			11-15
Trenton, N.J.	Hourly&6 Hrly.	Closed			11-1
Monteagle, Tenn.	Hourly	Closed			11-5
Knobnoster, Mo. (Sedalia AAF)	Hourly	Closed			
Wheeling, W.Va. (Wheeling-Ohio County Airport)	SW	Opened	40-11 80-38	1190'	Approx. 11-1
Hoquiam, Wash. (Aberdeen) (Moon Island)	SW	Opened	46-58-30 123-56-00	14'	Approx. 11-1
Chehalis, Wash. (Chehalis Co.-City Airport)	SW	Opened	46-40-30 122-58-30	174'	Approx. 11-1
Astoria, Oreg. (Clatsop-County Airport)	SW	Opened	46-09-30 123-53-15	20' 10'	Approx. 11-1
Portsmouth, N.H. (Portsmouth AP)	SW	Opened	43-04-21 70-48-50	94'	
Keene, N.H. (Dilliant-Hopkins AP)	SW	Opened	42-54 72-16	481'	10-20
Watsonville, Calif.	SW	Opened	36-51-30 121-47-00	125'	
San Jose, Calif. (San Jose Arpt.)	SW	Opened	37-21-30 121-54-45	70'	
Oxnard, Calif. (Ventura County Airport)	SW	Opened	34-12-00 119-11-30	44'	
Santa Maria, Calif. (Santa Maria AAF)	SW	Opened	34-53-30 120-27-00	229'	
San Luis Obispo, Calif. (San Luis Obispo Mun. Airport)	SW	Opened	35-15-00 129-39-30	208'	
Dover, Del. (Dover AAF)	Hourly	Closed			Approx. 11-1
Ft. Leavenworth, Kans. (Sherman Field)	RAWIN	Begun	39-22 94-55	774'	
Salem, Mass. (Winter Island CGAS)	Hourly	Reopened	42-32 70-52	209'	11-26
Lewiston, Idaho (Mun. Arpt.)	6-Hourly	Begun	46-22 117-01	1426'	
Glens Falls, N.Y. (Warren County Airport)	SW	Opened	43-20 73-38	474'	Approx. 11-1
Ukiah, Calif.	SW	To be Opened	39-08 123-12	612'	Approx. 12-15
Visalia, Calif. (Green Acres Airport)	SW	To be Opened	36-20 119-18	300'	Approx. 12-15

Note: Plans to close the Pittsfield, Mass., hourly station effective November 1, 1946, were cancelled.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc.) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immeidate coverage in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

N.B. AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with 2-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields and before taxiing and taking off, should be on the alert for & be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest or Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons coupled with flashing red code lights, indicate suspension of CFR traffic.

AIR NAVIGATION AID DATA

All radio facilities except towers are CAA facilities unless otherwise cited. All towers are listed by operating agency. All range bearings are magnetic in-bearings. All fan markers and station location markers operate on 75 mcs. All radio facilities operate continuously unless otherwise specified.

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

ALABAMA

**ALLENPORT ARPT (MONTGOMERY)-Correct location, lat 32-18-30, long. 86-16-30 (10-10). See page 124.

ANNISTON-RADIO: On or about Dec 15, homing facs will be decomm. Teletype and weather facs will continue in oper. (11-18)

ANNISTON AAF-Temp inactive-no facs. (See Special Notice re use)

BIRMINGHAM ARPT-Closed to civil. acft not equipped with operating rcvr. No landings on sodded areas. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. No svcg mil acft 2200 to 0600. No maintenance. (10-9)

★BROOKLEY FIELD (MOBILE)-RADIO: Army air to ground stn now in oper. on all frequencies (116.1,140.58,137.88 mcs., 4765,2862,4845 kcs. voice; 4595,8200 kc (CW) (11-21) FLD: Soft - use rnwys, taxi strips only. No 91 oct. (10-4)

CAMP SIBERT AAF (ATTALLA)-CLOSED TO ALL ACFT.

CENTRE ARPT-N/S strip not maintained-E/W rough. Pone lines E end. (4-9)

CHASTAIN'S ARPT (PRICHARD)-2600' of E/W strip avail., mrkd. (11-2)

COLUMBIANA ARPT-NE/SW strip unsafe. High grass S 500' N/S strip. (4-9)

CRAIG FLD (SELMA)-Bndry lgts inop. (11-12)

**DALLAS FLD (SELMA)-New fld. Lat 32-24, long. 87-03. (9-11) See page 124.

DANNELLY FLD (MONTGOMERY)-NE taxi strip closed (parked acft)(8-12)

EVERGREEN-RADIO: On or about Dec 15, homing facs will be decomm. Teletype and weather facs will continue in oper. (11-18)

GREENVILLE ARPT, SITE 24, NO-AG-E 400' E/W rnwy unsafe (high grass)(9-2)

GUNTER FIELD (MONTGOMERY)-RADIO: Army twr temp suspended. (5-16) FLD: Use rnwys only. Sod areas adj rnwys and taxi strips soft. (11-20)

HARTSELLE ARPT-N 900' W side avail. emerg. landings, bal fld unusable. (3-30)

HUNTSVILLE-Bombing and mortar firing is being conducted within the following described area; beginning at the Tenn. River Channel at lat 34-34-30, long. 86-44; due N to Southern RR, easterly along RR to long. 86-42; due S to said river; SW along river to point of beginning.

**HURTSBORO ARPT-New fld. Lat. 32-13-15, long. 85-22-30. (9-26). See page 125.

MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi S looks like arpt and lgts give impression of parallel rnwys. (10-17)

MUSCLE SHOALS ARPT-Fuel avail. civil. acft only. (8-1)

NAPIER FLD (DOTHAN)-Avail. civil. acft in emerg only. (8-6)

OZARK AAF-Temp inactive, no facs. (See Special Notice re use)

PRYOR FLD (DECATUR)-Mun. opers and acft sto depot. No collect calls or telegrams accepted by sto depot. (6-22)

TUSCALOOSA ARPT,SITE 58, FV-AG-Extreme NW end fld soft in wet weather. (11-20)

TUSKEGEE AAF-Closed-emerg use only.

TUSKEGEE INSTITUTE FLD NO. 1 (TUSKEGEE)-Soft spots after heavy rains. (11-2)

ARIZONA

**AJO-Large aerial gunnery danger area N and W has been redefined as follows: beginning at lat 32-49-30; long. 112-19-00; thence S to lat 32-35-40; W to long. 112-36-30; S to lat 32-31; W to long. 113-27; N to lat 32-46, E to long 113-13-50; N to lat 32-49-30; E to point of beginning.

**AJO AAF-No lgting facs. (11-25). See page 84.

ASHFORK INT, SITE 36A, LA-AQ-Rough. (9-19)

COCHISE INT, SITE T-3,PH-EO-Rough. Tall grass in spots on fld. Ctn when landing and taxiing. (9-20)

COOLIDGE ARPT-Closed-emerg. use only.

DATELAN AAF-Temp inactive-no facs. (See Special Notice re use)

DAVIS-MONTHAN FLD (TUCSON)-E fld closed-acft parked on rnwys. Blinding ceilometer projector W end fld half way between ends of NW/SE,E/W rnwys. (9-29)

DEEP LAKE INT, SITE 54A, LA-AQ-Soft. E end E/W, N end N/S strips rough. Equip. on fld days. (11-11)

DOUGLAS AAF-Temp inactive-no facs. (See Special Notice re use).

ECHEVERRIA FLD (WICKENBURG)-Use rnwys only (parked acft)

ERNEST A. LOVE ARPT (PRESCOTT)-Use wind tee SW of apron. (9-20)

FALCON FLD (MESA)-Closed to trans acft-no facs. (9-19)

FLY FLD (YUMA)-800' left traffic pattern all rnwys. Avoid local traffic days. Parking rstd to W side of fld. (10-16)

FREDONIA ARPT-High weeds, cattle on strips. (9-3)

GILA BEND AAF-Tetrahedron inop. (8-26)

HOLBROOK MUN. ARPT (HOLBROOK)-CLOSED (rough). (6-13)

INTERNATIONAL ARPT (DOUGLAS)-Temp closed (const)(6-17)

KINGMAN ARPT-No inst flights cleared to Kingman. No obst lgts atop Haulpai Mtn. (8500' MSL) 11 mi S. Rnwy lgts Rnwy 17-35 inop. (7-12)

LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. (9-19)

★LUKE FLD (PHOENIX)-RADIO: Weather bdcast on range discont. Class: MRLZ. These
** data rcvd too late for inclusion in "ANRA". Army air to ground stn in oper. on VHF only. (11-25) FLD: No lgts. (11-20). See page 85. Temp inactive-no facs. (See Special Notice re use). Traffic direction indicator on second hangar from N. (11-22)

MARANA AAF-CLOSED.(9-9)

NOGALES INTERNATIONAL ARPT (NOGALES)-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld soft and rough due to heavy rains and erosion. (10-11)

PHOENIX-Inst train. on Phoenix Range between 5500' and 9500'.

RYAN FLD (TUCSON)-Use rnwys only, bal fld soft in wet weather, parked acft. Washes N edge. (8-8)

SKY HARBOR ARPT (PHOENIX)-Const in area E of N/S and S of E/W rnwys. (10-23)

THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft)

TUCSON ARPT-Trans acft desiring to use fld after 2100 will give 2 hrs advance notice in order that lgts may be turned on. (11-13)

WILLIAMS FLD (CHANDLER)-Use rnwys only.

WINSLOW ARPT-RADIO: Effect. Dec 1, CAA twr will oper 1000 to 1800. (11-21)
FLD: E end E/W taxi strip beyond first tie-in closed. (10-31)

ARKANSAS

ADAMS FLD (LITTLE ROCK)-Use rnwys only-shoulders soft. Equip. on fld. Closed to trans mil acft 1800 to 0800. (11-6)

EL DORADO-RADIO: VHF range will be comm soon at lat 33-17-00, long. 92-46-00. Freq. 109.1 mcs, ident. "LD" (. - . . - . .) Visual courses: 45°,225°; Aural courses: 135°,315°, courses mag and towards stn. Mag var: 7°E. Stn class: VARW. (8-14)

EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg only. (9-17)

GRIDER FLD (PINE BLUFF)-Use strips only (parked acft). Closed ngts. (6-7)

HELENA-Two unlgtd 405' twrs crossing Miss. River at S edge City. (11-7)

JONESBORO ARPT-Use rnwys only. (8-16)

LUXORA INT, SITE 39, NO-LS-30' unlgtd pole line being erected S end N/S rnwy. (9-27)

McGEHEE ARPT-Cattle on fld intmtly. (9-6)

McLAUGHLIN ARPT (HOT SPRINGS)-RADIO: Mobile Army twr transmits on 4420 kcs and receives on 4495 kcs only. (9-11) FLD: Use ctn when landing and taking off. Crash and fire fighting equip avail. 0800 to 1600 Mon thru Fri only. (9-23)

PINE BLUFF-RADIO: Oct. 26, VHF range flight-checked and comm on cont oper on an exper status only, because of no facs to control or monitor range. Lat. 34-14-48, long. 91-55-36. Freq. 108.7 mcs. Ident. "PL" Visual courses: 130,1930 aural courses: 1030,2830. Stn class: VARW. Mag var. 7°E. This corrects "Airgi", Vol. 1, No. 15.

THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only (parked acft)

WALNUT RIDGE ARPT-Acft parked all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0800. NE/SW rnwy closed. (11-21)

CALIFORNIA

ALAMEDA NAS-Maintain high approach on Rnwys 26L and 22. Heavy acft parked these

areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility. Lgtd dredge and pipe extending to shore operating 1/2 mi S of lagoon in seadrome. Equip. adj to and on rnwys. Fld on positive control. (8-16)

ALTA, BCN SITE 132 MI. BLINKER, SP-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)

AMERICAN LEGION ARPT (SALINAS)-Obsts on E/W strip. (3-16)

ARCATA ARPT-Closed to acft without 2-way radio unless prior approval rcvd from Stn Director. Incoming acft must file flight plan. Use surfaced areas only. (10-2)

AUBURN PEAK, BCN SITE 103 MI. BLINKER, SP-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)

BAKERSFIELD-KERN CO. ARPT (BAKERSFIELD)-Unlgtd 92' pwr line 1/2 mi N of bndry. (11-1)

BELMONT ARPT-Avail. at pilots risk (equip). NW end Rnwy 28 closed. (4-23)

BRAWLEY ARPT-Holes in extreme NW corner fld. (3-20)

BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs)

BURBANK-RADIO: Intermittent interference from Navy transmissions on adjacent channel of 245 kcs. (5-23)

BURBANK-RADIO: About Dec. 5, scheduled weather bdcast will be inaugurated. Stn class will be: SBML-VDT. (11-21)

BURBANK-LOCKHEED AIR TERMINAL-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN. Right traffic use Rnwys 7,15; left traffic use Rnwys 25,33. Approach lgts Rnwy 7 changed to red. Lgts on approach to Rnwy 7 partially obstructed by trees. 2-way radio required all acft. (8-2)

CAL AERO ARPT (ONTARIO)-Use rnwys only (parked acft)

**CALEXIO ARPT-Designated Airport of Entry for one year from July 1, 1946. See page 84.

CANNON FLD (FRESNO)-Landings from SE and take-offs to SE prohibited. (11-6)

CASTLE FLD (MERCED)-RADIO: Army air ground stn temp inop. (11-25) FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.

CATES, BEACON SITE 235 MI. BLINKER, SP-SA-Beavon inop. (2-17)

CLEAR LAKE SEAPLANE BASE-Avail. in emerg. only. (6-11)

COLFAX HILL, BCN SITE 112 MI BLINKER, SP-SL-Will be perm. discont during the period dec. 10 to Dec. 20. (11-22)

COMPTON CENTHAL ARPT (COMPTON)-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (10-26)

CONCORD ARPT-CLOSED EXCEPT IN EMERG. (10-30)

CORCORAN-135' unlgtd twr being const adj Santa Re RR, downtown Corcoran. Upon completion will be 148' high and lgtd. (2-24)

**CORCORAN SEAPLANE BASE (TULARE)-No lgts. (11-6). See page 143.

COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (6-11)

CROWS LANDING NAAS-Use in emerg. only (caretaker status-no facs)

DANVILLE, BCN SITE 12 MI. BLINKER, SP-SL-Will be perm. discont. during the period Dec. 10 to Dec. 20. (11-22)

DEL MAR ARPT-Right traffic at 600' with prevailing westerly winds. (10-10)

DESERT CENTER INT, SITE 17, LA-FH-E/W strip emerg use only. (9-19)

★DONNER SUMMIT-RADIO: VHF voice fac comm at communication stn Nov. 26. Transmits on and guards 116.1 mcs cont. Stn. class: BMRL-VDT. Ground checked.

DONNER SUMMIT, BCN SITE 15, SP-SL-Bcn inop. (11-26)

EL CENTRO NAS-Lgts E/W rnwy inop. Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg. use. (6-24)

**EL RANCHO ARPK (CARPENTERIA)-ABANDONED (11-20). See page 49.

**ELSINORE ARPT-New fld. Lat. 33-39-30, long. 117-19-15. (9-10). See chart 81.

EL TORO MCAS-Fld carrier landing practice Rnwy 25L. Trans acft use Rnwy 25L when practice in progress. (11-15)

FAIRFIELD-SUISUN AAP (FAIRFIELD)-RADIO: Army range unreliable, use for homing c only. (9-30) First 1000' rnwy 25, new rnwy 21, closed. (8-22)

GARY FLD (BLYTHE)-Use rnwys only (parked acft)

GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. (6-1)

HAMILTON FLD (SAN RAFAEL)-Exten to Rnwy 12 closed except in emerg. (10-18)

HAMMER FLD (FRESNO)-Temp inactive-no facs. (See Special Notice re use)

HARMON FLD (SAN JACINTO)-Traffic pattern 2200' indicated or 600' above ground. Left pattern when taking off to NE-right traffic pattern to SW. (10-28)

**HASTER FARM OLF (GARDENGROVE)-This fld still used by Navy as outlying fld to Los Alamitos NAS. Lat 33-45-45, long. 117-57-30. (11-8). See page 137. Closed to all civil. acft except in emerg. or on approval of the CO. (11-8)

HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Arpt.

HOBERG ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)

HOLTVILLE ARPT-Closed-emerg use only.

**HORSE FARM OLF (LOS ALAMITOS)-This fld still used by Navy as outlying fld to Los Alamitos NAS. Lat 33-47-45, long. 118-00-15. (11-8). See page 137. Closed to all civil. acft except in emerg. or on approval of the CO. (11-8)

HUMBOLDT CO. ARPT (EUREKA)-Closed to trans acft-const. Obst lgt atop N 350' radio twr approx 11 mi SSW inop. Twrs being dismantled. (10-29)

INDIO-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-22)

INYOKERN NAF-Use in emerg only (caretaker status-no facs)

**KERN COUNTY ARPT (BAKERSFIELD)-Name changed to Bakersfield-Kern County Arpt. (11-2). See page 49, 52.

★LA HABRA-RADIO: Lctn of FM on E course of Los Angeles range: lat 33-55-36, long. 117-57-36 (11-12)

**LAKE ELSINORE ARPT (ELSINORE)-New fld. Lat 33-37-15, long. 117-17-45. (9-10) See chart 81.

LINDBERGH FLD (SAN DIEGO)-Army temp inactive-civil. facs. Acft departing for or arriving from Mexico land at Lindbergh Fld for customs clearance. Closed to acft without 2-way radio unless prior approval rcvd from Arpt Mgr. 30' crane SW end Rnwy 31. (8-21)

LIVERMORE NAS-Avail. emerg use only. (10-1)

LIVERMORE OLF-Obsts in SW corner fld. (2-4)

LOCKHEED AIR TERMINAL-See Burbank.

★LONG BEACH ARPT-RADIO: Army air to ground stn discont. Oct. 1. FLD: Obsts lgts atop 165' twr Radio Stn KVOE 15 mi ESE (107°) true inop. No 91 oct mil acft. Ltd svcg. No maintenance. (9-30)

LOS ALAMITOS NAAS-Closed 1730 to 0800 except in emerg. Rnwy 22L closed. (9-2)

LOS ANGELES-RADIO: VHF range will be comm soon at lat 33-56-35, long. 118-25-49. Freq 109.1 mcs. ident. "LA" (. - . . - .) Visual courses: 75°,255°, aural courses: 165°,345°. Bear. and dist, stn to Los Angeles Arpt: 91°,2 mi. Mag var. 16°E. Stn class will be VAR (11-12). This corrects previous issues of "Airgi". About Dec. 5, rcvg facs and distant control of range will be separated from Burbank at Lockheed Air Term. and estab at Los Angeles Mun. Arpt in new service bldg on N side of fld. Transmitting and rcvg facs on 116.1 mcs and voice service on VHF range on 109.1 mcs will be comm. Thereafter, all voice and air-ground communications with Los Angeles Radio will be handled from the new lctn. (11-23)

LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Boul area from 2000 to 2300 daily. (7-26)

LOS ANGELES AIRPORT-MINES FLD (LOS ANGELES)-Unlgtd oil derricks on approach to Rnwy 34. Rot. bcn unlgtd days. E/W paved strips S side fld avail. taxiing only N side fld under const. Equip. on fld, N edge Rnwy 7L-25R, N side fld adj Rnwy 4/22 and W side N/S rnwy. All landings, take-offs and taxiing rstd to paved areas. Rnwys 11-29, 4/22 closed. Army temp inactive-civil. facs. Trans mil.acft use Van Nuys Metropolitan Arpt. Rnwy, taxiing lgts Rnwy 4-22 inop. Army twr moved to N side fld-obst lgts inop. (11-2)

LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs advance notice should be given if possible. (7-1)
MACHADO ARPT (SANTA MARIA)-Use E/W rnwy only-soft sand. (8-15)
MARCH FLD (RIVERSIDE)-Rnwy 7-25 closed-avail. on twr permission only. (10-25)
MATHER FLD (SACRAMENTO)-RADIO: Army ILS temp inop. (10-22) FLD: Use rnwys only mat unserviceable. (10-15)
McCLELLAN FLD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders, unsurfaced areas unsafe. (10-17)
MERCED MUN. ARPT-Rnwy 30 avail., bal rnwys, taxi strips closed. Equip. on Rnwy 30 will be removed for scheduled traffic. (10-16)
**MILE SQUARE FARM OLP (WESTMINSTER)-Will hereafter be carried under Santa Ana (11-8). See page 137.
MILE SQUARE FARM OLP (SANTA ANA)-Closed to all civil. acft except in emerg or on approval of the CO. (11-8)
MINTER FLD (BAKERSFIELD)-Temp inactive-no facs. (See Special Notice re use)
MIRAMAR MCAS (SAN DIEGO)-Rnwy 10-28 under const. Rnwy 6-24 avail. Fld on positive control. All acft in San Diego Area use ctn while approaching Miramar MCAS. (3-19)
MOFFETT NAS-LTA (MOUNTAIN VIEW)-Equip, trenches adj NW/SE rnwy, Ctn landing, taxiing, taking-off. Equip. on fld. Fld on positive control. Multi-engine acft above JRB class use Rnwy 14L-32R only, except in emerg. (7-23)
**MOJAVE NAS-No lgts (11-6). See page 52, 81.
**MORENO-Bcn Site 6 Mi. BLINKER, SQ-LA-Per. discont. (11-16)
★MUROC AAF-RADIO: Army air to ground stn. decomm. (11-1) FLD: CLOSED TO TRANS MIL ACFT EXCEPT ON OPP. BUS. THIS STN. Ltd within a danger area. 50' equip. near W end Rnwy 6-24. No 91 oct. No facs 1900 to 0700 or Suns. (10-22)
NAPA SKY RANCH ARPT (NAPA)-Under const. (7-10)
NEWHALL-RADIO: Range flight-checked Nov 18, courses correctly aligned.
**NEWPORT BAYSKY HARBOR (COSTA MESA)-New fld. Lat 33-38-45, long. 117-56. See page 137. (9-10)
NORDEN, BCN SITE 156 MI. BLINKER, SP-SL-Will be per. discont during the period Dec. 10 to Dec. 20. (11-22)
OAKLAND-RADIO: 116.1 mc transmitter and receiver temp inop. (9-13)
OAKLAND ARPT-RADIO: About Nov. 29, lclzr fac will be shut down for modification. A portable lclzr will be placed in oper temp on 109.5 mcs. Concurrently, a glide path component will be operating temp on 332.6 mcs. FLD: Naval acft avoid fld except on off. bus. Rock surface area between E and W taxiway and Rnwy 27R avail. lgt acft. Take-off from center of area, adhere to instructions issued by twr. Taxiway leading from Rnwy 33 to ramp at Navy Terminal closed. Equip. on grass area W of Rnwy 24 ngts. Area under const mrkd. No gas or maintenance facs avail. 1800 to 0800 except in emerg. Ltd gas, maintenance facs 0800 to 1800. Rnwy 6-24 closed. Army facs being discont-now avail. 1700 to 0800 only. (11-8)
O'CONNEL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only. Strip muddy when wet. (11-5)
ORLEANS FOREST FLD (ORLEANS)-Fence across N end of fld. (8-14)
**OROVILLE ARPT-B-2 port lgts operating (11-4). See page 20
**PALM SPRINGS ARPT-Bcn and fld lgts avail. on req. to WAL operations office or Palm Springs City Dept. (11-21). See data pages 81 and 84.
PLACERVILLE ARPT-Avail. emerg only. Strip rutted-not maintained. (9-21)
RAMONA ARPT-Hump in center of strip. Acft at one end of strip cannot see acft at other end. (7-24)
RED BLUFF-RADIO. 116.1 mc transmitter and rcvr temp inop. (11-18)
ROCKLIN, BCN SITE 93,MI BLINKER, SP-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)
RYAN FLD (HEMET)-N side matted area rough. (5-2)

SACRAMENTO-RADIO: 116.1 mc transmitter and receiver temp inop.
SACRAMENTO ARPT-Aerobatics, low flying days from flight strip 1500' W of Sacramento Arpt. NW/SE rnwy avail. days. Use rnwys, taxi strips only - shoulders soft. Unsafe small acft-rough. (9-16)
SAGE, BCN SITE 114 MI. BLINKER, SP-SL-Will be perm. discont. during the period Dec. 10 to Dec. 20. (11-22)
SALINAS-RADIO: About Nov. 27, VAR range will be comm at lat 36-42-28, long. 121-38-53. Ident. "SB". Freq. 109.1 mcs. Bear. and dist, stn to fld: 124°,3.4 mi. Visual courses: 122°,302°,aural courses: 32°,212°.Class:-VARW.Var.17°E.(11-13)
SAN BERNARDINO CO. ARPT (DAGGETT)-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. (11-12)
**SAN DIEGO ARPT-New fld. Lat 32-45-30, long. 117-13-00. (9-10). See page 81.
SAN DIEGO NAS-Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing thru Point Love (White Pyramid Buoy) unless directed by twr. Point Love (White Pyramid Buoy) is ltd on traffic pattern 1½ mi. S of Hotel Del Coronado. Acft crossing air traffic lanes at North Island must be above 1500'. Acft will not fly over Coronado or Amphibious Train. Base at an alt of less than 1500'. Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (9-26)
SAN FRANCISCO ARPT-Two lines unmrkd white spar buoys 8' above water moored in NW/SE direction along edges of shipping channel adj to easterly side of Seaplane Area and extend SE therefrom. Anchored vessels in shipping channel between lines of buoys. Vessels unmrkd and will be lgtd only as required. Avoid rnwy, taxiways shoulders. Turf area closed, unmarked hazards. Use rnwys, taxiways. Rnwy 14-32 closed. (9-30)
SAN FRANCISCO BAY-Rnwy marker lgts and buoys in seaplane landing area N of San Francisco-Oakland Bay Bridge between Treasure Island and the mainland have been temp removed. (2-6)
SAN MATEO ARPT-Const. Avail. lgt acft only. (11-1)
SAN NICOLAS ISLAND NAAS-Use in emerg. only (caretaker status-no facs)
SANTA BARBARA-RADIO: About Dec. 15, VHF range will be comm at lat 34-25-40, long. 119-52-26. Freq. 108.3 mcs. Ident. "OY" Visual courses: 96°, 276°. aural courses: 6°, 186°. (11-8)
**SANTA BARBARA ARPT-Oil derrick at S edge of arpt bndry dismantled and removed. (11-15) Rnwy, rnwy approach lgts, obst lgts on hangars, bldgs N end fld, on trees and along bndry S end fld and atop twr S of fld inop. Equip. on rnwys. Closed ngts. (11-15)
SANTA MARIA AAF-Stay clear rnwy, taxiway sides. E/W rnwy closed. Temp inactive-no facs. (See Special Notice re use)
SANTA MONICA ARPT-CLOVER FLD (SANTA MONICA)-Avail. trans acft with 2-way radio. Closed ngts and to all student pilots. (8-10)
SANTA ROSA NAAS-Equip. along rnwys. E/W rnwy closed. (11-14)
SECRET VALLEY, SITE 52, RV-ND-On or about Dec. 10, all lgts will be discont. Fld will be avail. days only. (11-22)
SHERMAN FLD (WALNUT CREEK)-Surplus Acft Sales Center-parked acft.
SILVER LAKE INT, SITE 18, LA-SL-E quarter fld rough. (10-9)
SODA SPRINGS, BCN SITE 153 MI. BLINKER, SP-SL-Will be perm. discont during the period Dec 10 to Dec. 20. (11-22)
STOCKTON-RADIO: CAA range will be comm soon at lat 37-52-10, long. 121-11-09. Class: MRLW Freq. 212 kcs. Courses: 65°,119°,245°,299°. Bear. and dist, stn to Stockton Fld: 285°, 3.1 mi. Var. 17° E. (11-8)
STOCKTON FLD-Closed-emerg use only.
SUMMER HOME ARPT (MANTECA)-Irrigation culvert being installed across middle of strip. (7-22)
SUMMIT PASS, BCN SITE 157, MI BLINKER, SP-SL-Will be perm. discont during the period Dec. 10 to Dec. 20.
SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer NAAS Brown Fld. No communications at landing strip. (5-13)

CALIFORNIA-Continued

**SWEETWATER SPRINGS AIRANCH (LA MESA)-New fld. Lat 32-43-30, long. 116-57-30. (9-10) See page 81.
TERMINAL ISLAND NAAS (SAN PEDRO)-Trans acft not cleared after sunset. (9-4)
TRONA-RADIO: Receiving watches, voice fac and teletype service operating from 0800 to 2400.
TRONA ARPT, SITE 13, RV-ND-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (11-7)
★TULARE LAKE SEAPLANE ANCHORAGE-RADIO: Navy seaplane twr decomm. (11-6) FLD: CLOSED (water level 2'). (7-17)
VAN NUYS METROPOLITAN ARPT-Temp inactive-no facs. (See Special Notice re use).
VENTURA CO. ARPT (OXNARD)-Bcn, bndry, obst lgts inop. Battery operated, port. rnwy lgts avail. ngts in emerg or by prior arrangement. (11-4)
VERNALIS FLD-CLOSED (equip, obsts on rnwys, aprons). (8-15)
VICTORVILLE AAF-Use rnwys 16L-34R, 7R-25L, 3R-21L only. (11-13)
VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off bus. (9-16)
**WAR EAGLE FLD (LANCASTER)-Reinstated. Lat 34-42, long. 118-13-30. (10-10) See Page 81.
**WOLFE'S AIRPARK(OTAY)-New fld. Lat 32-35, long. 117-03-15. (9-10). See Page 81.

COLORADO

AKRON INT, SITE 9, DV-GI-CLOSED (snow). (11-24) These data rcvd too late for (R) symbol.
ALAMOSA ARPT-CLOSED (rnwys under const, fld lgts and bcn inop.). (9-30)
ANTON-RADIO: About Dec 16, oper of VHF range will be suspended indefinitely. (11-22)
ARLINGTON FLD NO. 4 (LA JUNTA)-Closed-emerg use only.
AURORA-RADIO: LFM fld pattern will be temp weak and distorted. (10-28)
BUCKLEY FLD (DENVER)-Temp inactive-no facs. (See Special Notice re use).
★DENVER-RADIO: Nov 22, VHF visual-aural courses realigned to: 172°, 82° and 262°, 352°, Flgt-checked and correctly aligned. NW course of low freq range realigned to 59°. Ground-checked only. These data rcvd too late for inclusion on Flgt Planning Charts.
**EAGLE ARPT-Lat 39-38, long. 106-55. (9-16) See Page 25.
FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy. (9-29)
GRANBY ARPT-Ctn from Nov until April - snow. (10-17)
LA JUNTA AAF-Temp inactive - no facs. (See Special Notice re use).
**LEADVILLE ARPT-ABANDONED. (7-10) See Page 25.
LOWRY FLD (DENVER)-RADIO: Army air to ground stn inop. (11-20) FLD: Ltd parking and quarters. Only N/S rnwy avail. ngts. (11-19)
**MONTROSE ARPT-New fld. Lat 38-29-45, long. 107-53-15. (9-18) See Page 56.
PINE VALLEY ARPT (COLORADO SPRINGS)-E rnwy of parallel N/S rnwys closed-being widened to 300'. E/W rnwy avail. between mrkrs only. Heavy const equip on fld days. Use rnwys only. (11-2)
PUEBLO AAB-Temp inactive- no facs. (See Special Notice re use).
PUEBLO ARPT-Rot. bcn atop hangar when lgtd indicates fld closed except to scheduled air-carrier acft. (9-13)
PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 38-17-28; S by lat 38-16-19; W by long. 104-18-38; E by long. 104-17-40.
RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (9-11)
ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (telephone lines). (6-11)
RUSTON FLD (DENVER)-Const. Strips soft during wet weather. (9-20)
RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.
SKY RANCH ARPT (DENVER)-RADIO: Municipal twr temp inop. (4-1) FLD: Right traffic Rnwys 26,30,36; left traffic Rnwys 8, 12, 18. Traffic controlled by tetrahedron. Avail. CFR oper days only. (3-27)

COLORADO-Continued

TRINIDAD ARPT-Strips soft and rough. Avail. lgt acft only. Unlgtd hangar N end fld adj center of fence line. Equip. on fld. (11-18)
WALKER FLD (GRAND JUNCTION)-RADIO: CAA ILS lclzr ident temp inop. (9-14)

CONNECTICUT

**BRADLEY FLD (WINDSOR LOCKS)-Correct location, lat 41-56-15, long. 72-41-00. (9-10). See Page 44. Use in emerg only. (9-10)
BRAINARD FLD (HARTFORD)-Equip. on fld intmtly. Turf closed to heavy acft-soft. 300' bldg under const 1-1/2 mi NW of fld bndry, close to NW leg Hartford Range. Flood lgts N end N/S rnwy inop. (10-31)
BRIDGEPORT ARPT-Use rnwys only. (8-2)
BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans student pilots. Const N end fld and on taxiway between fld and shop. (10-31)
**FOSTORIA FLD (STONINGTON)-Correct name - Foster Fld. (9-16) See Page 45.
**GROTON ARPT-Name changed to Groton Trumbull Fld. (9-16) See Page 44.
GROTON TRUMBULL FLD (GROTON)-Rnwys being repaired. Equip. on fld. (10-1)
HAMMONASSET FLYING FLD (MADISON)-Rough-not maintained. E/W strip avail. in emerg. Hangars under const. (9-16)
HARTFORD-RADIO: Auto-range monitor. sys inop. (9-30) Courses ground-checked only. (11-23)
KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only. (9-10)
NEW HAVEN ARPT-Avail. days only. Use rnwys only. (11-18)

DELAWARE

BELLANCA FLD (NEW CASTLE)-Use rnwy only. Sod strips under const. (6-13)
DOVER AAF-Temp inactive-no facs. (See Special Notice re use).
**HARRINGTON ARPT-New fld. Lat 38-55-30, long. 75-32-45. (3-14) See Page 76. Hangars under const. (3-14)
NEW CASTLE CO. ARPT (WILMINGTON)-Sod fld within bndrys of rnwys avail. lgt acft. (9-18)

DISTRICT OF COLUMBIA

SPECIAL NOTICE-The Administrator of Civil Aeronautics has designated the Mt. Vernon National Monument a congested area. In accordance with C. A. R. 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat 38-42-40, long. 77-05-30.
SPECIAL NOTICE-TELEVISION TWR 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL AIRPORT, LAT 38-53-46, LONG. 77-08-05. (3-22)
ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of two hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd. (7-12)
★BOLLING FLD (WASHINGTON)-RADIO: AACS, air to ground stn nov transmits on and guards 2890,4220,4765 kcs voice, 3177.5,4595,6475,8280 kcs CW. (11-14) FLD: CLOSED TO ALL TRANS ACFT FROM NOV 27, 1946 TO DEC 2, 1946 INCLUSIVE EXCEPT THOSE ON OFF. WRITTEN ORDERS. Rnwys 10-28, 14-32 closed. Rnwy 17-35 closed to acft when weather conditions below ctc flight minimums. (10-15)
WASHINGTON-RADIO: Range flgt-checked Nov 15, courses correctly aligned.
WASHINGTON NATIONAL ARPT (WASHINGTON)-RADIO: CAA ILS flgt-checked and oper normally Nov. 16. FLD: ARMY: No Army acft will be cleared this fld without personal approval of CG AAF or Deputy Cmdr excepting those ATC acft on sched. opers which require Washington National as Terminal; acft transporting VIP personnel such as Cabinet Members, Asst. Secretaries of War, and other personnel of like importance (for purpose this directive, mil personnel regardless of rank not considered VIP) and those acft based at Washington National. Army acft landing this fld should taxi to new ATC Term Bldg N of Admin Bldg. NAVY: Closed to Navy acft except NATS. Use Anacostia NAS. In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. GENERAL: Closed to acft without radio. Stay on paved areas-shoulders soft. Derrick with 35' boom N end fld between end of Rnwys 18, 15. Trenches in grass area same lctn. Equip. on fld. (11-19)

FLORIDA

ALBERT WHITTED ARPT (ST. PETERSBURG)-Fld unlgtd-smudge pots avail. on 1 hrs notice. Avoid sodded areas, white sand area E of N/S rnwy extending to water (soft). (1-2)

ALLIANCE FLD NO. 4 (MARIANNA)-Closed-emerg use only.

APALACHICOLA AAF-Temp inactive-no facs. (See Special Notice re use).

AVON PARK AAF-Temp inactive-no facs. (See Special Notice re use).

BANANA RIVER NAS-RADIO: Navy exper VHF rnwy localizers and various types of ILS operate intermittently day, ngt. (5-2). FLD: Closed to civil. acft days except on prior permission from CO and in emerg-closed ngts except in emerg. S end Runway 2-20 under const. Various type acft practicing inst approach operating cont during IFR up to and including 2000' with weather minimums as low as 200' ceiling and 1/8 mi visibility. Air space includes area 20 mi radius from NAS. (10-31)

BANANA RIVER NAS SEAPLANE BASE-Seaplane landing area avail. W of stn on Banana River. Wind line consisting of seven green lgts on location in center of area ngts when training is scheduled. (7-11)

BOCA RATON AAF-Port, floods avail. on 15 minutes notice. No 91 oct. Stay on rnwys-shoulders soft. (10-16)

BONITA SPRINGS, BCN SITE 12, TM-MM-On or about Dec 6, 12" clear 6 RPM single end bcn with red course lgts flash. char "2" (. . -) atop 51' twr 1/2 mi N Bonita Springs and 19 mi SE Page Fld will be comm. (11-22)

BRONSON FLD NAAS (PENSACOLA)-Closed to all trans acft. (8-14)

**CECIL NAAS (JACKSONVILLE)-Full opers. Bcn, port rnwy, obst lgts. (11-6). See page 133.

DALE MABRY FLD (TALLAHASSEE)-3 500' N/S rnwy unusable. 26' bldg erected 900' NW of NW end NW/SE rnwy, lgtd. Observe twr E side fld for lgt signals. Bcn atop water tank S of fld inop. (11-2)

DINNER KEY COAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10)

DREW FLD (TAMPA)-Use rnwys only. Equip. on fld days. Avail. to radio rcvr-equipped acft tuned to twr freq. (6-28)

EGLIN FLD (VALPARISO)-RADIO: Army ILS sys temp inop. (10-29) FLD: Acft approaching fld will enter area along right edge of S leg Crestview Range. (1)-Acft on CFR will fly 3000' or 500' below the ceiling whichever is lower, until cleared by Eglin Twr. (2)-Acft on IFR will enter at last assigned airways cruising alt and ctc Eglin Twr for letdown instructions. Exten const. (10-29)

ELLYSON NAAS-EAST & WEST FLDS (PENSACOLA)-CLOSED TO TRANS ACFT EXCEPT IN EMERG.

FORMAN OLF (FT. LAUDERDALE)-Use in emerg only (caretaker status-no facs).

★FT. BARRANCAS-RADIO: Army air to ground stn decomm Nov. 1.

★FT. LAUDERDALE NAS-RADIO: Navy twr decomm. (11-6). FLD: Avail. mil acft on ** off. bus. upon 24 hr prior notice 0600 to 1630 Mon thru Fri, and in emerg. (11-13) No lgts. (11-6). See page 136.

FORT LAUDERDALE-Obst lgts atop N twr Radio Stn WGBS 6 mi W inop. (9-23)

GILBERT FLD (WINTER HAVEN)-Use rnwys only. (11-4)

HIDDEN ACRES ARPT (CLARCONA)-E/W strip avail. lgt acft. (9-15)

HILLSBOROUGH ARPT (TAMPA)-CLOSED. Sinkhole center of E/W rnwy 100' E of intersection center of fld. (5-26)

HOEQUIST ARPT (ORLANDO)-S half E/W rnwy avail., mrkd. (3-20)

JACKSONVILLE ARPT NO. 1-Equip. both ends NE/SW rnwy. 30' unlgtd poles for neon approach lgt sys being erected at SW approach end NE/SW rnwy. (11-18)

★JACKSONVILLE NAS-RADIO: Navy range comm Nov 12, at lat 30-13-52, long. 81-44-16. See page 133. FLD: Closed to ngt seaplane opers. Trans acft desiring ngt landing facs notify Jacksonville NAS 12 hrs in advance. Equip. on fld days. (9-19)

KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (6-19)

LAKE WORTH MUN, SEAPLANE BASE-Hanger under const. Traffic pattern 500'. Prevailing wind E to SE. (10-26)

FLORIDA-Continued

LEE OLF (GREEN COVE SPRINGS)-Closed except in emerg and off. flights. Avail. on 24 hrs advance notice to CO, NAS Jacksonville. (1-26)

LEESBURG AAF-CLOSED TO ALL TRANS MIL ACFT EXCEPT UNDER WRITTEN ORDERS OF AN AIR FORCE, COMMAND OR HIGHER AUTHORITY OR IN EMERG. No facs.

MacDILL FLD (TAMPA)-RADIO: Glide path of Army ILS (SCS-51) temp inop. (6-19) Army H fac temp inop. (8-5) FLD: Rnwys 4-22, 13-31, 18-36 avail. Rnwy 18-36 closed ngts. (10-29)

MARIANNA ARPT-Equip. on fld days. Mrkd hole Rnwy 8-26. Rnwy 4-22 closed. (10-10)

MASTER OLF (MIAMI)-Closed from thirty min after sunset until 0700. (9-5)

MAYPORT CGAS-Closed to all traffic except Air Sea Rescue and emerg landings (caretaker status-no facs. Rnwys 32 and 36 to intersection closed. (9-27)

MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks 400' E of S end Rnwy 4-22. (11-6)

MELBOURNE-RADIO: Range flight-checked Nov 15, courses correctly aligned.

MIAMI, BCN SITE 20, TM-MM-On or about Dec 6, 24" clear single end 12 RPM bcn with red course lgts flash. "O" (- -) atop 51' twr will be comm 22 mi W Miami at lat 25-45-36, long. 80-36-54. (11-22)

**MIAMI INTERNATIONAL ARPT-AAF (MIAMI)-28' nose hangar erected outside bndry, approx 500' E and S of E end of E/W rnwy of N fld, lgtd. (11-20). Domestic non-scheduled acft taxi to old Army Term. Bldg SE side fld upon arvl and prior to dptr and register with Ramp Supervisor. Scheduled air-carriers and International Acft requiring immigration and customs service use 36th St. Term. Trans International pilots advise twr before landing. Use rnwys only. NE/SW rnwy closed except to lgt acft in emerg. Equip. on fld intmtly days. Obst lgts on pole lines adj Seaboard Airline R.R. Shops between N and S flds inop. No svcg for mil acft except in emerg or maintenance trans Army acft 2400 to 0800. (11-20)

MIAMI NAS-Acft remain on N leg Miami Range for distance of 25 mi N of range stn when passing Miami NAS. Stay clear of NW corner fld-fighter training break-up area. Acft practicing touch and go landings ngts. Closed sunset to 0700. (11-15)

MILES CITY, BCN SITE 14, TM-MM-On or about Dec 6, 24" clear 12 RPM single end bcn with red course lgts flash char. "4" (. . . .) atop 51' twr will be comm 1 mi S Miles City at lat 26-08-24, long. 80-21-54. (11-22)

MORRISON FLD (WEST PALM BEACH)-N/S rnwy closed. Air Rescue Service acft will be cleared into this fld. (11-1)

NORTH PERRY OLF (HOLLYWOOD)-CLOSED-no facs. (10-28)

NORTH POMPANO OLF (POMPANO)-CLOSED-no facs. (1-24)

OCHOPEE, BCN SITE 18, TM-MM-On or about Dec 6, 24" clear single end 6 RPM bcn with red course lgts flash. chnr "8" (- . . .) atop 51' twr will be comm 24 mi E Ochopee at lat 25-50-06, long. 80-54-36. (11-22)

ORLANDO AAB-ORLANDO ARPT-Closed to acft exceeding 50,000 lbs except for use alternate destination by scheduled air-carriers. North E/W, West N/S rnwys closed. No 91 oct. No Army maintenance Sats and Suns and from 1700 to 0600 daily. (10-9) Radio controlled target ship in Pinecastle area 6 mi S of Orlando 0600 to 1200 daily Mon thru Fri. (7-1)

PAGE FLD (FT. MYERS)-NE/SW, NW/SE rnwy lgts, tetrahedron inop. Use E/W rnwy only at ngt. (9-14)

PENSACOLA ARPT-Ext Navy train. throughout area. Join pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest avail. taxi strip. Opers and svcg lctd brick hangar. (9-23)

PENSACOLA NAS-CHEVALIER FLD (PENSACOLA)-Avail. days only. Ngts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld. bear. 341° NNW. Disposition Delivery acft land at NAAS Ellyson Fld. Pilots desiring to land at Chevalier Fld contact Pensacola Navy Twr before entering traffic pattern. (8-22)

PETER O. KNIGHT ARPT (TAMPA)-Equip. on fld days. Sodded areas unsafe heavy

FLORIDA-Continued

acft. Rnwy lgts avail. on 1 hrs notice between 1900 and sunrise. (10-1)
PINECASTLE AAF-Temp inactive-no facs. (See Special Notice re use). Radio controlled target ship in Pinecastle area 6 mi S of Orlando 0800 to 1200 daily Mon thru Fri. (10-16)
RICHMOND NAS-LTA-Use in emerg only (caretaker status-no facs).
RIDDLE FLD (CLEWISTON)-Heavy acft avoid lgt bar and rod steel mat. Twr oper only during scheduled flying. Unsafe areas partially mrkd days, unmrkd ngts. Cloud flying when clouds broken to overcast during daylgt hrs in area bounded by lat 26-27, lat 26-43, long. 80-50, long. 81-27. Use rnwys only. Grass areas flooded most of summer. (7-27)
★RUSSELL-RADIO: Navy range decomm Nov 7.
**SHOWALTER AIRPARK (WINTER PARK)-New fld. Lat 28-35-53, long. 81-19-00. (11-6) See page 133.
STENGEL FLD (GAINESVILLE)-Equip. on fld, mrkd. (5-24)
TALLAHASSEE-RADIO: Soon, cont listening watch on 3117.5 kcs will be discont. (11-21)
**TALLAHASSEE-Rdo twr, 160' high, obst lgtd, erected on E leg of Tallahassee rdo range, 7 mi E of range stn. (11-6)
TAYLOR FLD (OCALA)-Use rnwys only. (5-8)
TITUSVILLE-COCOA ARPT (TITUSVILLE)-Hangar under const. (9-10)
WHITING FLD NAAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" sloping curb at rnwy edges. Tetrahedron indicates rnwy in use and not wind direction. NE/SW rnwy lgts inop. (3-2)

GEORGIA

ALBANY ARPT-Use rnwys only. (11-8)
ALMA, INT. SITE 43, M4-AC-Unlgtd 40' hangar under const N edge NW/SE rnwy. (11-16)
ATHENS ARPT-Bndry, bcn lgts inop. (8-10)
ATLANTA ARPT-RADIO: Middle marker of CAA ILS lctd 3600' SE of SE end NW/SE rnwy, keyed with alternate dots and dashes will be comm soon. Outer marker will be relctd 4.5 mi SE of SE end NW/SE rnwy. (9-19). FLD: Const, equip. on fld intmtly. Use rnwys ngts. Closed to HB and VHB acft. Army temp inactive-civil. facs. Trans Army acft use Marietta AAF. Twrs of Radio Stn WSB 12 mi NE being dismantled, lgtd. (11-12)
ATLANTA NAS-RADIO: 142.74 mc transmitter and 3117.5, 6210 kc receivers at Navy twr temp inop. (10-28). FLD: Acft on IFR between 2000 and 0700 clear thru A.T.C. and proceed to Atlanta Arpt. Const equip. along rnwys. (5-10)
AUGUSTA-RADIO: Effect Dec 1, cont receiving watch on 3117.5 kcs will be discont. 116.1 mc transmitter and rcvr temp inop. (11-21)
AUGUSTA-Three 310' twrs, one 420' twr being constructed by Radio Stn WGAC approx 5 mi N Augusta Range Stn, obst lgtd. (7-18)
BEMISS FLD NO. 3 (VALDOSTA)-Temp inactive-no facs. (See Special Notice re use).
BOWERS ARPT (BAINBRIDGE)-CLOSED (high weeds). (8-14)
★BUSH FLD (AUGUSTA)-RADIO: Army twr decomm. Nov 17. These data not deleted from "ANRA". FLD: WAC planes parked entire fld off rnwys. Use rnwys only. Close flight plans with Bush Twr. (7-1)
CAMP STEWART AAF (HINESVILLE)-Temp inactive-no facs. (See Special Notice re use). Cattle on fld. (12-17)
CHATHAM AAF (SAVANNAH)-Temp inactive-no facs. (See Special Notice re use). Rot. bcn inop. (5-22)
COCHRAN FLD (MACON)-Temp inactive-no facs. (See Special Notice re use). Use rnwys, taxi strips only. (12-5)
COOK CO. ARPT (ADEL)-Lgts inop. (9-23)
DANIEL FLD (AUGUSTA)-RADIO: CAA twr will operate cont effective Dec. 1.
GLYNCO NAF-LTA-RADIO: Navy twr temp closed, operates on call on one hrs notice. FLD: Tetrahedron temp removed. (10-11)
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. 120' lgtd twr between Rnwys 10 and 15 outside outer perimeter. No taxiing permitted on ramp E of Term. Bldg-congested vehicular traffic. Area being

GEORGIA-Continued

fenced off. (10-9)
KINGS ARPT (MILLEDGEVILLE)-Soft after rainy weather. (11-6)
LA GRANGE ARPT-Heavy acft use rnwys, taxiways only-grass areas soft. (12-27)
LAWSON FLD (COLUMBUS)-MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2 and 32. Right hand traffic Rnwys 14,20,27; left hand on Rnwys 2, 9, 32. (6-25)
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (8-6)
MARIETTA AAF-Ltd sto. Facs avail. 0800 to 2000. Rdo Stn WFOM erecting unlgtd 100' twr 2 mi WSW. (11-20)
MOODY FLD (VALDOSTA)-Temp inactive-no facs. (See Special Notice re use). 2 obst lgts atop Radio Stn WGOV inop.
PARKAIRE FLD (MARIETTA)-Emerg use only-const. (8-28)
ROBINS FLD (WARNER ROBINS)-No 91 oct. (7-17)
ROCKY FORD FLD NO. 1 (VALDOSTA)-Closed-emerg use only.
SOUTHER FLD (AMERICUS)-Use strips only-parked acft.
THOMASVILLE ARPT-Closed ngts-no lgts. (10-24)
TURNER FLD (ALBANY)-RADIO: Army air to ground stn temp inop. (11-20). FLD: Temp inactive-no facs. (See Special Notice re use). Rnwys 4C, 9R, 14C, 18L closed. (8-26) Use rnwys only.
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld). (8-14)
VALDOSTA ARPT-Closed-emerg use only.
VIDALIA-LYONS AIRFLD (VIDALIA)-Temp inactive-no facs. (See Special Notice re use). Flight plans handled thru Turner Fld. (4-5)

IDAHO

BENNETT FLIGHT STRIP (ANDERSON DAM)-Avail. for emerg use only. (5-7)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (11-19)
**CAMAS CO. ARPT (FAIRFIELD)-New fld. Lat 43-20-15, long. 114-47-45. (8-29). See page 24. NNW/SSE strip, hangar under const. (8-29)
COEUR D'ALENE AIR TERMINAL-Equip. on fld days. (10-19)
GOODING-RADIO: About Dec 5, MH and voice facs, rcvg watches and weather reporting services will be discont. (11-18)
GOODING ARPT, new-Use rnwys only-sod unsafe (erosion). (9-20)
GOWEN FLD (BOISE)-Army temp inactive-civil. facs. Use rnwys, taxi strips only, shoulders soft. Blinding 30 million candle pwr ceilometer 1000' NNW of arpt bcn. (9-13)
IDAHO CO. ARPT (GRANGEVILLE)-NE/SW strip under const. (9-19)
IDAHO FALLS ARPT-Bcn inop. (11-19)
MALAD CITY-RADIO: About Dec 5, all teletype weather reporting services, sched. weather bdcasts, rcvg watches and range voice facs will be discont.
MOUNTAIN HOME AAF-Temp inactive-no facs. (See Special Notice re use). N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
POCATELLO ARPT-6' ceilometer projector in center of grass strip running parallel with Rnwy 5-23 and approx 75' S of rnwy at a point 500' W of taxi strip that intercepts Rnwy 29. (11-19)
POCATELLO AAF-RADIO: Army air to ground stn temp inop. (11-20). FLD: Temp inactive-no facs. (See Special Notice re use).
PRIEST RIVER MUN. ARPT-NNE/SSW strip under const. (7-1)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (11-5)
STREVELL-RADIO: MH, voice facs and weather reporting services will be discont. about Dec. 15. (11-22)

ILLINOIS

ALBERTUS ARPT (FREEPORT)-Const. Equip. on fld. (10-29)
ASHBURN ARPT (CHICAGO)-Avail. lgt acft under 2000 lbs only. Landing fee for heavier acft $2.00 and up. (7-25)

AURORA ARPT-Use strips only. (9-28)
CASEY ARPT-S 1000' N/S strip being graded. (10-31)
CHANUTE FLD (RANTOUL)-Ltd parking. (10-26)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const). (9-23)
**CHICAGO ARPT-680' twr of Rdo Stn WBBM located 12 mi NE at lat 41-58-32, long. 88-01-36, 300 mm elec code bcn atop. Aux twr 250' high at same location. (10-25) NE/SW rnwy closed, unlgtd (parking area). Closed to trans military acft except on off. bus. or in emerg. No Army facs. Army acft use Chicago-Orchard Arpt. Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Terminal Bldg on arvl and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs. or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable at Arpt Supt's Office before take-off. All numerals and letters on Rnwys 13L, 13R lgtd ngts. Hangar under const N side fld just E of NW corner. Ctn when taxiing. Covered ditch adj Rnwys 27L, 31R, mrkd. Ditch on E side Rnwy 36R, mrkd. (9-11)
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
**CHICAGO-ORCHARD ARPT (CHICAGO)-Bcn, semi perm. rnwy, obst lgts. Lgtd wind cone. (11-20). See page 140. 680' twr of Rdo Stn WBBM erected 2.5 mi WNW (285°) true at lat 41-59-32, long. 88-01-36. 300 mm elec code bcn atop. Aux twr 250' high at same location. (10-25)
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (11-6)
DECATUR ARPT-Avail. days only. Ditches along strips. Lgts being installed. (10-18)
**EFFINGHAM CO. MEMORIAL ARPT-341' rdo twr 1-1/2 mi S, lgtd. (11-5)
GALESBURG ARPT-Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)
GEORGE FLD (LAWRENCEVILLE)-CLOSED (no facs). (5-15)
GLENVIEW NAS-Prior approval required all acft expecting to RON except on off. bus. regularly scheduled MATS or MATSWING flights. Equip. on approaches. Non-radio equipped acft land on mats only. Closed ngts except in emerg or by prior arrangement. (7-8)
INTERSTATE ARPT (DE KALB)-CLOSED. (5-11)
JOLIET ARPT-SITE 22, 18-00-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (7-15)
MARION ARPT-Ext. train. 5 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. (9-6)
MOLINE ARPT-75' lgtd mast, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. Pwr shovel with 30' boom SW end NE/SW rnwy. 10' unlgtd antenna erected 1000' S of W end N/S rnwy and 250' E of centerline N/S rnwy. 30' unlgtd poles off NW end NW/SE rnwy. (11-25)
PEORIA ARPT-Closed ngts. (10-8)
PROSPERI ARPT (TINLEY PARK)-Use rnwys only.. (7-5)
QUINCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. (11-12)
ROBINSON ARPT (HARVEY)-Reduced in size. Ditch marks E bndry. N, S, W bndrys unchanged. (11-12)
SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather and after thaws. (9-21)
SCOTT FLD (BELLEVILLE)-RADIO: Army air to ground stn inop. (11-20)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)
SPRINGFIELD ARPT-Fld and strips soft after heavy rains. Unsafe heavy acft when soft. Closed ngts. (11-6)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
ST. DAVID ARPT-Closed to cross-country acft. No svcg avail. N/S strip closed. New arpt under const 6 mi N. (6-13)

WAUKEGAN ARPT-NW corner NW/SE rnwy, W end E/W rnwy unusable, mrkd. (5-16)
WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (8-9)

ATTERBURY AAF (COLUMBUS)-Temp inactive-no facs. (See Special Notice re use).
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FT. WAYNE)-RADIO: Army ILS (CAA type) temp inop. (10-24). FLD: Temp inactive-no facs. (See Special Notice re use). E/W rnwy closed. (11-25)
BENDIX FLD (SOUTH BEND)-Army temp inactive-civil. facs. Equip. on fld days. N triangle closed. (8-15)
BLOOMINGTON ARPT-Fresh grading soft when wet. (8-7)
BRIGHTWOOD ARPT (INDIANAPOLIS)-Fld under const. E/W rnwy closed. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. (9-19)
CHAIN LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only. (5-23)
CHARLESTOWN ARPT-2000' strip under const-usable with ctn. (9-16)
COLUMBUS ARPT-Turn off rnwys onto taxi strips after landing. (9-10)
EVANSVILLE ARPT, old-Use rnwys only. Equip. on fld days. (9-26)
FORT WAYNE-RADIO: No voice fac in oper until relctn of rcvg and teletype facs to Baer Fld. Range flight-checked Nov 14, courses correctly aligned.
HULMAN FLD (TERRE HAUTE)-Use rnwys only (erosion). (8-28)
INDIANAPOLIS-RADIO: GCA unit operated by CAA on exper basis at Indianapolis Arpt, between the hrs 0600 and 1600 Mon thru Fri. Unit aligned for approach from the SW on Rnwy 4. Transmits on 212 kcs, 126.15 mcs, receives on 3105, 4495, 6210, 3117.5 kcs, 126.15 mcs. Pilots desiring to make practice runs should make arrangements thru Indianapolis Twr, Indianapolis Radio or airline ground stn at Indianapolis. All flights must be OFR prior to starting GCA runs and must remain OFR throughout approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mc bndry mrkr using keyed 3000 cycle tone, operating intmtly at SW bndry of arpt. Exper lclzr on 108.3 mcs SW end NE/SW rnwy. Exper radio range with 5 lgtd 131' twrs operating intmtly at Avon, Ind. 7 mi NW of arpt on 172 and 194 kcs. Low power (holding mrkr) 75 mcs, 10 mi SW of arpt on ILS lclzr course keying "U" tone 3000 cycles temp inop. (11-22)
INDIANAPOLIS ARPT-Heavy acft use rnwys only. Const around N side fld, parking ramp. No crash equip. Mil pilots register with registrar in Admin Bldg Lobby, trans acft at City desk in Terminal Bldg Lobby. Rnwy 15L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. Tetrahedron being installed in triangle between NE/SW, NW/SE, E/W rnwys-Temp uncontrollable. EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner, operating intmtly. 2-1/2' exper rnwy lgts both sides NE/SW rnwy. Exper flightsof all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip. 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' NE of NE/SW rnwy on centerline; trailer adj CAA glide path 400' SE of NE/SW rnwy, all lgtd ngts. (11-15)
**KOKOMO ARPT-Lgts on prior req. (11-7). See page 69.
MADISON AAF-JEFFERSON PROVING GROUNDS (MADISON)-CLOSED TO ALL ACFT.
McCOMB ARPT (DECATUR)-Closed when wet. (11-5)
MICHIGAN CITY ARPT-Use only mrkd strips, taxiways-bal fld unsuitable for landing and taxiing. (7-27)
MORGANTOWN-RADIO: FM on S course Indianapolis Range will remain in oper on exper basis. (11-8)
MUNCIE ARPT-Hangar under const along S bndry. (8-31)
PERU ARPT-Altho entire fld avail., normally use rnwys. (11-4)
PLYMOUTH ARPT-E/W strip avail. NNW/SSE strip avail. with ctn (const). (7-3)
PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to heavy local traffic, trans acft

INDIANA-Continued

avoid turning in middle of fld after landing. Continue to taxi straight to end of fld then taxi to within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather. Const NE end of fld. (9-20)
SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft. Left traffic pattern. Const areas mrkd. (8-27)
SMITH FLD (FT. WAYNE)-Hangar under const N edge fld, mrkd. (10-5)
STARKE CO. ARPT (KNOX)-N/S strip soft. (11-4)
STOUT FLD (INDIANAPOLIS)-Inadequate svcg facs for trans acft; no radio control, crash equip., base opers avail. only 0800 to 1700; fld lighting avail. only on prior req. (11-23)
••VETERAN'S ARPT (BLOOMINGTON)-New fld. Lat 39-10-15, long. 86-34-45. (7-30). See page 69. Strips rough. (7-30)
WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N. No-wind conditions land to W. (8-16)

IOWA

★ATLANTIC-RADIO: VHF voice fac comm at communication stn Nov 25. Transmits on and guards 116.1 mcs cont. Stn class: MHVT. These data rcvd too late for inclusion in "AIRGI" and on "Flight Planning Charts".
AUDUBON AIRWAYS ARPT (AUDUBON)-Fld rough.
CEDAR RAPIDS ARPT-Use rnwys, taxi strips only. (9-23)
CHAPMAN FLD (WATERLOO)-Bcn, bndry, obst lgts inop. Soft in wet weather. (11-5)
••COUNCIL BLUFFS, BCN SITE O, OH-CG-24", 6 RPM, 2 dashes (- -) lctd lat 41-18-18, long. 95-51-18, on first bluff on Iowa side of Missouri River directly E of Omaha Arpt, 400' SE of Lewis & Clark Memorial, comm Nov 21, 1946. (11-22)
CRAM FLD (DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)
DES MOINES ARPT-Entire area off rnwys E of N/S, NW/SE rnwys closed. Use rnwys only. Army temp inactive-civil. facs. (11-6)
ELKADER AIRPARK-Strip rough and rolling. (5-22)
••GEISINGER FLD (STORM LAKE)-ABANDONED. (11-8). See page 29.
HANLAN ARPT-Strips plowed up-regrading. Strip E of N/S strip approx 1000' long avail. with extreme ctn-rough. (10-11)
HUNTER FLD (CEDAR RAPIDS)-Use rnwys only. (11-3)
IOWA CITY ARPT-Avail. days only. Use rnwys, taxi strips only. Sod adj rnwys, taxi strips freshly seeded, graded. (8-30)
LAMONI-RADIO: On Jan 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
MASON CITY ARPT-Sod between taxi strip and N end N/S rnwy unusable. (10-14)
MONTEZUMA-RADIO: On Jan 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
SIOUX CITY ARPT-Blinding 30 million candle pwr ceilometer 1000' N of Admin Bldg. (11-11)
••STORM LAKE ARPT-New fld. Lat 42-36-14, long. 95-11-30. (11-8). See page 29.
••WILKE FLD (GARNER)-Name changed to Wicks Fld. (11-14). See page 32.
WINTERSET ARPT-Rough and rolling. (2-28)

KANSAS

ALLMAN ARPT (LENEXA)-Use strips only. (9-12)
ATKINSON ARPT (PITTSBURG)-CLOSED (const). (8-15)
BEECH ARPT (WICHITA)-Use rnwys only during damp weather. (11-4)
CASSODAY-RADIO: On Jan 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags. (10-11)
CHANUTE-RADIO: About Dec 3, NW course of low freq range will be realigned to approx 95°. (11-23)
COFFEYVILLE-RADIO: On Jan 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
DODGE CITY AAF-Closed-emerg use only.
DODGE CITY ARPT-Blinding 25 million candle pwr ceilometer projector installed 1000' NW of Admin Bldg. E/W rnwy closed. (10-16)
DOWNS ARPT-When taking off to the S or E use right traffic. (9-30)

KANSAS-Continued

FAIRFAX FLD (KANSAS CITY)-Use rnwys only. (3-12)
FORT RILEY-AA firing conducted immediately N of Marshall Range Stn.
GARDEN CITY AAF-Ctc Garden City Radio for landing information ngts. Svcg. opers avail. 0800 to 1630 Mon thru Fri only. Closed ngts. (10-22)
GOODLAND-RADIO: About Dec 16, oper of VHF range will be suspended indefinitely. (11-22)
GOODLAND ARPT-Rnwy sides soft when wet. (9-20)
HERINGTON AAF-Temp inactive-no facs. (See Special Notice re use).
HUTCHINSON MUN. ARPT-Heavy acft use rnwys only. (9-23)
★HUTCHINSON NAS-RADIO: Navy twr decomm. (11-6). FLD: Avail. in emerg only. •• (11-6). No lgts. (11-6). See page 61.
INDEPENDENCE AAF-Only N/S rnwy near ramp avail. Svcg, opers avail. 0800 to 1630 Mon thru Fri only. Closed ngts. (10-22)
••JANSSEN SKYTEL ARPT (McPHERSON)-New fld. Lat 38-21-30, long. 97-41-30. (9-17) See page 61. E/W strip soft when wet. (9-17)
••LARNED FLD-Old fld 2 NW ABANDONED. (11-6). See page 60.
••LARNED MUN. ARPT-Wind tee lctd in SE corner. (11-6). See page 60.
LAWRENCE ARPT-Center fld, taxi areas unusable, soft. Use rnwys only in dry weather. (8-16)
LLOYD FLD (FT. SCOTT)-Use in emerg only (vegetation). (6-24)
••MANKAN ARPT (MANHATTAN)-New fld. Lat 39-12-30, long. 96-30-30. (9-16). See page 29.
MARSHALL FLD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys, taxi strips, ramps only. Soft shoulders off rnwys. Rnwy lgts undependable.(10-23)
MORLAND-RADIO: About Dec 16, oper of VHF range will be suspended indefinitely. (11-22)
OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Range Stn.
OLATHE NAS-Closed 1800 to 0800-flights desiring landing during these hrs must notify opers before 1600. (6-13)
OLATHE OLF NO. 2-Use in emerg only-no facs.
OLATHE OLF NO. 4-Use in emerg only-no facs.
OLATHE OLF NO. 7-Use in emerg only-no facs.
OLATHE OLF NO. 9-Use in emerg only-no facs.
SALINA-RADIO: About Dec 16, oper of VHF range will be suspended indefinitely. (11-22)
SHERMAN FLD (FT. LEAVENWORTH)-Left traffic on Strips 12,15; right traffic on Strips 30,33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (7-8)
★SMOKY HILL AAF (SALINA)-RADIO: Army ILS (CAA type) temp inop. (10-24). Army air to ground stn decomm Nov. 1. FLD: E/W rnwy closed. (10-17)
TOPEKA-RADIO: About Dec 16, oper of VHF range will be suspended indefinitely. (11-22)
TOPEKA-Inst flying radio range, ngt, day. Call Topeka Radio at least 20 mi out before flying range.
WALDO-RADIO: About Dec 16, oper of VHF range will be suspended indefinitely. (11-22)
WALKER AAF (HAYS)-Closed-emerg use only.
••WICHITA ARPT-RADIO: Glide path of CAA ILS will be comm soon on 335 mcs. (10-12) FLD: 30' mast on glide path shelter house, obst lgtd. Army contract fuel avail. Approach lgts avail. See page 61. Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Taxi strip W side fld closed. Lgts on Rnwy 18R-36L inop. Trans acft without radio use ctn. Stay on concrete-sod unsafe. (11-15)

KENTUCKY

ASHLAND ARPT-Right traffic pattern on NW landings and take-offs. (10-15)
••BLUE GRASS FLD (LEXINGTON)-355' twr of stn WLEX located 6 mi ENE (70°) true at lat 38-03-56.8, long. 84-29-04.5, lgtd by 1 blinker and 2 stationary lgts. (11-2) Use rnwys only. (10-13)

KENTUCKY-continued.

BOWLING GREEN ARPT-Red obst lgts NW end NW/SE rnwy inop. Const. (11-1)

★BOWMAN FIELD (LOUISVILLE)-RADIO: Army air to ground stn, decomm. Nov. 1. FLD: Army temp inactive-civil. facs.

★CAMPBELL AAF (HOPKINSVILLE)-RADIO: Army twr decomm Nov. 12. FLD: Opers, engineering closed 1700 to 0800. (9-24) .

**CAMP CAMPBELL-Correct bndrys of danger area reads as follows: beginning at lat 36-39-40, long 87-26-50 thence S along the hwy to lat 36-33-05, long 87-23-50, thence W along the hwy to lat 36-33-40, long 87-44-30, NW to lat 36-36-20, long. 87-50-20, N along hwy to lat 36-43-50, long 87-48-00, due E to long. 87-39-40, due S to lat 36-43, thence due E to long 87-39, due S to lat 36-39-40 due E to point of beginning.

★GODMAN FLD (FORT KNOX)-RADIO: Army range now operating reliably, maximum power only 25 watts. Multiples on S course about 15 mi out. (10-17). Weather is bdcast 29 min. past hr 0600-2400 only. (11-21). FLD: CLOSED TO ALL HEAVY AND VERY HEAVY BOMBARDMENT TYPE ACFT EXCEPT IN EMERG. Opers off. open 0600 to 2400; after 2400 avail. upon 12 hr prior potice. (10-15).

GREATER CINCINNATI ARPT (COVINGTON)-Bndry lgts inop. Obst 600' due S Admin Bldg. (10-28).

STANDIFORD FIELD (LOUISVILLE-Bndry, rnwy lgts inop. Tetrahedron unlgtd, free swinging. (5-25)

LOUISIANA

ALEXANDRIA-RADIO: About Dec 5, simultaneous feature will be comm. Class will be: SMRAWZ. Courses will be realigned to: 28°,123°,208°,292°.

BARKSDALE FLD (SHREVEPORT)-RADIO: Army ILS (CAA type) temp inop. (6-4) FLD: Liaison type acft land Rnwy 14R-32L. Exten training - heavy traffic. (7-22)

COTTON VALLEY ARPT-E/W strip closed.

CROSS LAKE ARPT (SHREVEPORT)-CLOSED (const, equip. all strips). (4-29).

CROSS LAKE SEAPLANE BASE-Obsts in seaplane area-ctn when landing. (10-4).

DE RIDDER AAB-Closed-emerg use only.

DUSCON, BCN SITE 19, HU-NO-Ben inop-blown down. (11-22)

EAST BATON ROUGE PARISH AIRPORT (BATON ROUGE)-Avoid SE corner fld, marked with white flags.

HOUMA NAS-LTA-Twr operates daylgt hrs on week days only for acft in connection with Bureau of Aeronautics Storage. Closed to all other acft except in emerg. No fuel. (7-22)

IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. Rnwy lgts inop. (11-14)

JENNINGS AIRPORT-Use strips only in wet weather. Smudge pots avail. on prior arrangements. Unlgtd pole lines S and E side fld. (5-17).

LAFAYETTE AIRPORT-Avail. days only. Use rnwys only. (7-4)

LAKE CHARLES-RADIO: Nov 13 range and voice fac shut down (const.).

LAKE CHARLES AAF-Blinding 30 million candle pwr ceiling lgt installed Stn WBAS. Operates during cloudy conditions. No 91 oct. (7-19)

**MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-Rnwy, range, bndry lgts avail. (11-11) See page 121. Inst neon approach lgts comm. (11-12) See page 121. Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way radio except in emerg. 171' unlgtd steel derrick being erected approx 15 mi SSE in Lake Salvador. NE/SW rnwy closed. (11-22).

MONROE ARPK,new-Arpk 1/2 mi SE of old Monroe Arpk unsafe (soft). (9-12).

NATCHITOCHES AIRPORT-Taxi to right. (4-23)

NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Equip. on fld days. Non-radio equipped acft use extreme ctn. Closed to all Army acft except primary, basic and advanced (not inclg converted tactical type) trainers, utility cargo, C-46, C-47 series, C-60, C-64, liaison acft. helicopters and autogyros. (11-9)

NEW ORLEANS NAS-Avail. Navy acft not exceeding 9000 lbs daylgt hrs. Equip. all rnwys-conducting evaluation tests. Fld on positive control. (10-11)

LOUISIANA-Continued.

SELMAN FLD (MONROE)-Obst lgts atop twr, hangars, floodlgts atop poles W side fld inop. Ngt lighting facs not avail. trans acft. Equip. on fld. (11-18)

SHREVEPORT ARPK, INC-Entire fld avail. except sod area E of N/S rnwy.(11-14)

SHREVEPORT ARPT-RADIO: Soon CAA twr will discont guarding 142.74 mcs. (10-27).FLD: Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1-1/4 mi S within approach zone N/S rnwy lgtd. (11-8).

MAINE

AUGUSTA ARPT-Ben operating intmtly. Obst lgts atop poles 400' N of ENE/WSW rnwy, and on bldgs S side Admin Bldg.inop. Equip. on fld days. (11-8)

BRUNSWICK NAS-Closed to all but off. flights (caretaker status - no facs).

DOANES ARPT (BREWER)-N 1000' N/S rnwy avail, bal of rnwy closed until spring-repairs. (10-20)

DOUGLAS FLD (BRUNSWICK)-Avail. emerg use only. Right traffic when wind from the S. (8-28).

DOW FLD (BANGOR)-RADIO: Army air to ground stn. temp. inop. (11-20) FLD: E/W rnwy closed. ;Use concrete portion fld only. Closed 1900 to 0700. 125' twr 3 mi NE being extended to 200', temp white obst lgt on twr ngts. Ltd transportation and maintenance facs. (11-15).

HOULTON ARPT-Closed except to scheduled airlines and local opers. Other acft land by prior permission from Resident Engineer, fone 2211. (10-10).

LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft use rnwys only-safety strips soft. (11-13).

MILLINOCKET-RADIO: Auto. range monitor. sys temp inop.

NORRIDGEWOCK AIRPORT-CLOSED - use in emerg only.

OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop. (11-12)

PORTLAND ARPT-E/W rnwy closed ngts (etc lgts inop). Equip. on fld days. (9-20)

PRESQUE ISLE AAF-RADIO: Army DF facs on standby status; services avail within 1/2 hr upon req over air to ground or point to point facs. (3-4).

RAYMOND'S ARPT (PHILLIPS)-NW end NW/SE strip soft beyond flagged area. (10-7)

SCARBORO ARPT-Avail. lgt acft only. Use N/S strip. Land within flagged area. (11-18)

WESTON FLD (MADISON)-Avail. emerg only. (8-29).

MARYLAND

BALTIMORE MUN. ARPT-No crash equip. Use rnwys, taxi strips only-other areas soft. 2 cranes 20 and 40' high operating approx 250' S, SW of Rnwys 32, 27. 80' crane 800' N of N/S rnwy, mrkd. Const, equip. on fld. 60' lgtd derrick 500' from NW end NW/SE rnwy. (11-23)

**BELTSVILLE OLF-Fld open0900 - 1530 EST daily - crash truck and ambulance at fld during these hrs only. (11-13) Closed to civil. acft except in emerg. (11-13)

EDGEWOOD ARSENAL FIELD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STA OR IN EMERG OR PRIOR PERMISSION FROM CO. Closed Sat and Sun. OPerates Mon thru Fri 0800 to 1600. Approach fld N of Penn. RR. High alt bombing E and S Stay on conrete. (2-20)

ERCO ARPT (RIVERDALE)-Gen. fld const, however, one strip always avail. (9-20)

GLENBURNIE-WHIPP ARPT (GLENBURNIE)-Avoid flagged area-equip. (10-5)

HAGERSTOWN ARPT-Acft parked on hangar and factory apron, also along W bndry of fld just W of the N end of the N/S rnwy and N of the W end of the E/W rnwy. Use ctn in landing and taking-off in area off rnwys. (9-20)

**KENT ARPT (WORTON)-New fld. lat 39-17-15, long 76-05-45. (3-17). See page 76. Landing area under const. (3-17)

LEE ANNAPOLIS ARPT (ANNAPOLIS)-N/S rnwy closed (const). NE/SW rnwy and black-topped taxiway avail. -unsuitable for acft heavier than twin-engined type. (10-8).

MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS WITH GLENN MARTIN CO. OR IN EMERG. (10-31)

PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches, equip. adj taxiway parallel to Rnwy 2-20, ditches adj Rnwy 9-27, mrkd. Equip. on fld. Rnwy 9-27 being repaired. (10-14)

PHILLIPS FIELD (ABERDEEN)-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STA OR IN EMERG. Equip on fld. Ltd svcg. No maintenance or ROM. Closed Sats., Suns. RWay 4-22 closed. Approach fld from N only, fly heading of 200° from Aberdeen to fld. Avoid area 1500 yds S of fld; firing up to alts of 25,000'. No 91 oct. Closed to very heavy type acft. (7-30)

SCHRON ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (9-24).

STEVENS ARPT(FREDERICK)-150' width of both strips graded and seeded-temp unusable. (9-9)

WEBSTER FLD (FRIEST POINT)-Closed except on 24 hr notice.

MASSACHUSETTS

BARNES ARPT-(WESTFIELD)-Oper of arpt ben days only indicates scheduled airlines in venty arpt. Acft proceed with ctn when ben lgtd. Cte Westfield Radio for lgts. (8-4)

BOSTON-RADIO: Soon, FM will be comm at Dedham, Mass located at lat 42-15-59, long. 71-10-07, on SW course 14.4 mi from range sts. Ident, two dots, three dashes (. . - - -) Bear. and dist, range sts to FM; 238°,14.4 mi. When Dedham FM is comm, ident of Franklin, Mass FM will be changed to three dots, three dashes (. . . - - -) (10-8) Range flight-checked Nov 19, courses correctly aligned.

BOWLES ARPT (AGAWAM)-High grass. Ltd maintenance. (6-6)

BROOKFIELD'S ARPT-Ctn-steep grade at SE end. (9-9)

CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been established approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay.

GRAFTON ARPT (NORTH GRAFTON)-Avail lgt acft. Heavy acft use ctn. Avoid W, SW portions of fld. (6-15)

LAWRENCE AIRPORT-At ngt use rnwys for landing and taking off. (3-23)

LOGAN ARPT (BOSTON)-Closed to B-17 and all Army tricycle gear type acft-use Bedford AAF. Army temp inactive-civil. facs. Range lgts inop. Equip. on fld. Mercury arc vertical beam NW end New temp NW/SE rnwy-used intmtly day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. New 5900' RNwy 15-33 and Rnwy 4-22 avail. RNwy 16-34 closed. NE 100' Rnwy 7-25 unsafe. Ditches N side Rnwy 15-33 midway between ends, mrkd. 100' floating derrick SW end Rnwy 4-22, mrkd. New hangar being erected SW corner of old fld, lgtd. (9-26) Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per emplaning passenger. Freight, cargo and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Private or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Manager and pay fees. Pilots will be denied clearance until fees are paid. (9-26)

MARLBORO ARPT-Fld not maintained-avail. emerg use only. (9-9).

MERRIMACK VALLEY SKYPORT (LAWRENCE)-Right traffic when landing or taking off down river. (11-13).

MYRICKS ARPT-Wires on S end N/S strip. (11-20)

**NORWOOD ARPT-Ben, range, etc rnwy and obst lgts. (9-17) See page 45.

OTIS NAAS (FALMOUTH)-Use in emerg only (caretaker status - no facs).

PITTSFIELD ARPT, SITE 3B, AZ-BW-Land according to wind sock. (8-27)

REVERE ARPT-Const on seaplane base 1000' N of arpt. Booms day, ngt. (10-12)

**SOUTH HADLEY SEAPLANE BASE (HOLYOKE)-Will hereafter be carried under South Hadley. Correct location lat 42-15-55, long 72-38-55. (11-8). See page 144.

SOUTH WEYMOUTH NAF-RADIO: Navy range oper extended until Dec. 1. Courses aligned by ground check only. (11-22) FLD: 50' lgtd antenna pole 2200' from S edge landing mat. (11-15)

SPRINGFIELD AIRPORT-Lgts inop. (6-24)

SQUANTUM NAS-Unlgtd 100' boom on lighter at bndry due W between Rnwys 2, 8. Equip. at bndry. Fld avail. 0800 to 30 mins prior to off. sunset. (9-27)

STEVENS FLD (NORTH ADAMS)-Avail. only lgt acft. (10-12)

★WESTOVER FLD (CHICOPEE FALLS)-RADIO: Lclzr and outer mrkr Army ILS temp inop. (11-6) Compass lctr on 219 kcs, Rnwy 24 inop. (11-25) AACS, Air to ground stn transmits and receives on 4220, 2890 kcs voice, 3177.5, 6475 kcs CW, receives only on 8280 kcs CW in addition to VHF freqs. (11-14). FLD: Following procedure normally to be carried out on IFR South-bound inbound flights to Westover Fld: Boston ATC will be contacted over Portsmouth, N.H., intersection (Portsmouth intersection is N leg of Grenier Range) for further clearance acft will proceed to a point over Grenier Fld range stn for further clearancy by Boston ATC to Gardner intersection. (Gardner intersection is the intersection of NE leg of Westover range and NW leg of Boston range) acft will report to Boston ATC over Gardner intersection and will then be instructed by Boston ATC to cte Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing letdown procedures as disseminated from Westover Fld. Cruising alts assigned by Boston ATC will be maintained until further cleared to descend by Boston ATC. Westover approach control will assume control of acft upon departing Gardner intersection but not until released by Boston ATC. When under Westover approach control all instructions will be followed which are transmitted by Westover approach control. (11-10)

WORCESTER ARPT-350' twr Rdo Stn WNEB being erected 3 mi ESE (110°) true. Twr now 75' high, temp lgtd. (10-28).

MICHIGAN

ABRAMS ARPT (GRAND LEDGE)-Hanger being const. Ctn using N/S, E/W strips during winter months. (11-12)

ADRIAN CITY ARPT (ADRIAN)-SW corner fld unsafe for landings and take-offs. (11-14)

ANN ARBOR AIRPORT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (6-14)

BAKER'S FIELD (PORT HURON)-Use strips only. (6-25)

**BISHOP ARPT (FLINT)-208' twr of Rdo Stn WMRP, erected 5 mi NE (55°T) at lat 43-00-38, long 83-39-09, lgtd by flashing red lgt at top, red lgts at 1/3 and 2/3 levels. (11-20). Use rnwys only when turf soft. Lgt acft use turf adj left side of concrete. Unmrkd acft parked on fld within 500' of bldgs. 160' water twr under const 1-1/4 mi NE, unmrkd. (8-15)

CALVIN CAMPBELL MUN ARPT (INDIAN RIVER)-Emerg use only. (6-24)

CAPITAL CITY ARPT (LANSING)-Use only rnwys, new N/S strip. Strip closed ngts. Equip. on fld days-acft parked W side fld E of apron. (9-20)

**DALTON ARPT (FLUSHING)-New fld. Lat 43-03-30, long 83-51-30. (11-13) See page 37. N/S, E/W strips unusable. (11-13)

DETROIT CITY ARPT-Inbound acft required to have radio receivers. (10-22)

DETROIT NAS-Closed 1700 to 0800. (9-14)

DR. HAINES FLYING FIELD (THREE RIVERS)-Sides and ends of strips soft. (5-10)

EMMET CO. ARPT (PELLSTON)-Avail. all acft days. (9-24)

FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (11-15)

FORD ARPT (DETROIT)-CLOSED. Avail emerg use only. Use rnwys only. (8-14)

GLADWIN ARPT-40 x 60' unlgtd hangar NW corner fld. (9-27)

GRIDLEY ARPT (YPSILANTI)-Strips unusable when wet-muddy. Land on sod with ctn. (10-22)

**GROSSE ILE-Large training area has been established approx 29 mi WSW within the following described area: beginning at lat 42-05, long 83-42; SW to lat 41-36, long 84-231 W to long 84-35; N to lat 41-57; NE to lat 42-05, long 83-50; E to point of beginning.

JAMES CLEMENTS AIRPORT (BAY CITY)-Closed ngts. Heavy acft use rnwys only. (7020)

JEWETT ARPT (MASON)-Strips mrkd with yellow mrkrs. (11-14)

KELLOGG FLD (BATTLE CREEK)-Equip. on fld. (11-9).

MICHIGAN-Continued.

KINROSS AAF-Temp inactive. No facs. (See Special Notice re use).
LAPEER AIRPORT-Hangars under const. Use strips only. E/W, N/S strips being widened. (7-13)
LEACH AERO SERVICE ARPT (HARTFORD)-NE/SW strip under const. (11-16)
LINDBERGH ARPT (KALAMAZOO)-Avail. ngts in emerg. Landings in accordance with wind tee lctd midway between NW end NW/SE and N end N/S rnwys. (11-15)
MACKINAC CO. ARPT (ST. IGNACE)-Trucks, equip. on SE side fld. (9-20)
McKINLEY ARPT (FRASER)-Closed except to lgt acft in dry weather-soft. (4-26).
MOUNT PLEASANT AIRPORT-Strips soft in wet weather. (3-16)
MUSKEGON CO. ARPT (MUSKEGON)-Use rnwys only-rough. (9-20)
OSCODA AAF-Use rnwys, taxi strips only. Temp inactive. No facs. (See Special Notice re use).
OTSEGO COUNTY ARPT (GAYLORD)-Const-usable with ctn. (5-16)
PRICKETT FLD (SIDNAW)-Unusable-under const. (6-25)
RACO AAF-Temp inactive. No facs. (See Special Notice re use).
★ROMULUS AAF-RADIO: Army ILS (CAA type) less glide path, inop. (8-30) Army twr decomm. (11-19) FLD: Closed-emerg use only.
SAGINAW ARPT-Constructing new hangar S side of fld. (8-26)
ST. CLAIR CO. ARPT (PORT HURON)-Use strips only. (9-26)
SAULT STE MARIE ARPT-Loose gravel on N/S rnwy. Use rnwys only. (9-20)
**SKYHAVEN ARPT (SAGINAW)-New fld. Lat 43-27-30, long 83-56-20. (11-12) See page 37. Use strips only. Avail. lgt acft only when wet. Right traffic when landing S, SW and W. Left traffic N, NE and E. (11-12)
STINSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rnwy. (7-10)
TRAVERSE CITY ARPT-N/S rnwy lgts, obst lgts S end N/S rnwy inop. (10-15)
TWIN CITIES ARPT-ROSS FLD (BENTON HARBOR)-Use rnwys only after heavy rains. (11-14)
WASHTENAW ARPT (ANN ARBOR)-Use rnwys only. Avail. days only. (8-14)
WILLOW RUN ARPT (YPSILANTI)-Equip on fld. Trucks on NE/SW taxi strip. Trenches and const of ILS bldgs on fld, mrkd. (11-18)

MINNESOTA

ALEXANDRIA-RADIO: Range flight-checked Nov 14, courses correctly aligned.
APPLETON ARPT-Use rnwys, taxi strips only. (11-20)
BENSON AIRPORT-Only NW/SE strip avail, bal fld under const. (6-16)
DECKER AIRPORT (AUSTIN)-Acft over 3500 lbs use caution. (6-28)
FARIBAULT AIRPORT-Closed to all acft weighing over 5000 lbs. (5-16)
FERGUS FALLS ARPT-Temp closed (const). (6-17)
FLYING CLOUD ARPT (MINNEAPOLIS)-Const. (12-17).
MANKATO AIRPORT-Use strips only. (5-16)
MINNEAPOLIS-Lgt stop Foshay twr will be discont soon. (10-11).
MONTEVIDEO ARPT-Const. Temp rnwys avail. Equip. on fld intmtly. (10-11)
ORTONVILLE ARPT-Temp closed (const). (6-20)
ST. PAUL ARPT-Use rnwys, taxi strips only. (8-1)
THIEF RIVER FALLS ARPT-Const. Fld closed to hvy acft. Portion old E/W rnwy. most of N/S rnwy avail lgt acft only. (8-27)
UNIVERSITY OF MINNESOTA ARPT (NEW BRIGHTON)-E/W, N end N/S strips rough. (9-30)
VICTORY AIRPORT (MINNEAPOLIS)-Surplus Acft Sales Center -parked acft.
WILLIAMSON-JOHNSON AIRPORT (DULUTH)-Closed ngts. (8-1)
WOLD CHAMBERLAIN FIELD (MINNEAPOLIS)-RADIO: Army DF sta oper temp suspended(2-14) FLD: Foreign Clearing Stn for Musk-Calf Project Flts. (11-21)

MISSISSIPPI

AUGUSTINE FLD (JACKSON)-Use strips only-parked acft.
COLUMBUS AAF-RADIO: Army air to ground stn. temp. inop. (11-20) FLD: Temp inactive. No facs. (See Special Notice re use). Use rnwys only. (8-19)
DELTA ARPT (YAZOO)-CLOSED. (11-7)
GREENWOOD ARPT-Use rnwys only-sodded portion soft. All rnwys lgts operated simultaneously-unable to control rnwys separately. (11-12)
GRENADA ARPT-NE/SW rnwy closed. (6-28)
GULFPORT MUN. AIRPORT-Closed ngts. Fld lgts inop. Ltd svcg. Avoid flying over area directly off SW corner. Entire sod fld avail. (5-27).

MISSISSIPPI-Continued.

JACKSON ARPT-Rnwys 2-20, 16L-34R closed until approx Nov 13. Bndry lgts NW end Rnwy 11, SE end RNwy 34 discont. Red guide lgts installed 100' from Rnwy 11-29. (10-23)
JACKSON COUNTY AIRPORT (PASCAGOULA)-Trans acft use rnwys only - drainage grills under grass. (5-17)
KEESLER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way radio. 20' boom NE corner NE/SW rnwy, mrkd. (10-17)
KEY FLD (MERIDIAN)-Radio Stn WTOK erecting 180' twr 5 mi NE, lat 32-22-46, long. 88-40-04 (9-7)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
**LAUREL AAF-Name changed to Laurel Arpt. (11-4) See page 124.
McCOMB ARPT-West 1/3 of E/W strip unusable. (9-30)
YAZOO CITY CO. ARPT (YAZOO)-Use N/S strip only, bal fld soft. (11-7)

MISSOURI

BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (9-18)
**CABOOL ARPT-New fld. Lat 37-07, long 92-02 (10-25) See page 65.
CHILLICOTHE INT, SITE 7, KC-CG-Use only rnwy during wet weather. Sod areas slightly rough. (10-21)
COLUMBIA ARPT-Equip on fld days. Heavy student traffic. Ngt flying 3 mi radius fld. Sod at rnwys sides soft when wet. Traffic pattern 800' on downwind leg. Blinding 20 to 30 million candle pwr ceilometer 1000' E of rot. bcn. 200' twr being const 1 mi SE, temp obst lgtd. (8-29)
DAVIESS CO. ARPT (GALLATIN)-Use ctn until further development. (5-12)
FAYETTE ARPT-Closed during winter-avail. lgt acft in emerg only. (11-19)
**GREENE-COUNTY ARPT (SPRINGFIELD)-Name changed to Springfield arpt. (11-14) See page 64.
HARRIS FIELD (CAPE GIRARDEAU)-Use strips only - parked acft.
HARVEY PARKS AIRPORT (SIKESTON)-Use rnwys only - parked acft.
INDEPENDENCE AIRPORT-N/S strip avail., bal fld closed (grading). (6-25)
JEFFERSON CITY ARPT-E/W, N/S strips avail. lgt acft only - sod soft when wet. NE/SW strip avail. twin-engine acft not exceeding weight of C45-C78. (5-11)
JOPLIN ARPT-Obst lgts NE end NE/SW rnwy inop. (10-10)
KANSAS CITY ARPT-RADIO: Glide path and bndry mkr temp inop until perm lclzr recomm about Dec. 1. (11-14) FLD: CLOSED TO ALL ARMY ACFT EXCEPT IN EMERG-USE FAIRFAX FLD. Army acft rstd from refueling except in extreme emerg. Equip. on fld. Floodlgts on req. Neon approach lgt sys discont until approx Mar 3, 1947 - due to maj const N end arpt. Pile drivers and derricks along S portion fld in vcnty of N/S rnwy-lowered ngts. (11-12).
KANSAS CITY-GRANDVIEW ARPT (KANSAS CITY)-Sodded areas soft. (11-22)
KIRKSVILLE ARPK-CLOSED UNTIL SPRING. Emerg use only. (11-13)
LAMBERT FLD-ST. LOUIS ARPT (ST. LOUIS)-RADIO: Low clearances observed in blue and yellow sectors of ILS. (10-8) FLD: Closed to non-radio equipped acft. Equip. on fld and ramp. Const E, SE bndry fld. Navy facs closed 1700 to 0800 except when Opers Officer notified 2 hrs prior to 1700. (10-29)
LEBANON INT, SITE 54B, AQ-LS-Equip. on fld. (8-15)
McFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (10-1)
QUEEN CITY ARPK (SPRINGFIELD)-35' lgtd pole and lines N end N/S rnwy.
ROSECRANS FLD (ST. JOSEPH)-RADIO: About Dec. 1, CAA twr will be comm. transmitting on 278 kcs, 126.18, 118.7 mcs. Will guard 3105, 4495, 6210, 3117.5 kcs, 126.18, 131.9, 118.7 mcs. (11-14).

MISSOURI-Continued

**ROSECRANS FLD (ST. JOSEPH)-Fld open 24 hrs. Bcn center fld and uncontrolled tetrahedron lgtd hrs of darkness. Fld lgts on req. (11-6) See page 32.
SEDALIA (KNOBNOSTER)-Temp inactive-no facs. (See Special Notice re use). Use rnwys only.
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough. Blinding 30 million candle pwr ceilometer in oper on E bndry. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)

MONTANA

BILLINGS ARPT-Lgtd lslzr bldg 1100' from W end E/W rnwy, lgtd glide path bldg 300' N of E/W rnwy adj E bndry. Army acft rstd from refueling except in extreme emerg. (10-22)
BUTTE ARPT-Blinding 30 million candle pwr ceilometer 267' E of center of N/S rnwy. (9-11)
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-Muddy in wet weather. (11-18)
CUSTER-RADIO: About Dec 5, all teletype weather reporting services, sched weather bdcsts, rcvg watches and range voice facs will be discont. (11-18)
CUT BANK ARPT-Bcn inop. Ctc lgts avail. on req. (10-26)
GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of rnwy shoulders-use 150' center strip. Rnwy 16-34 closed. (9-27)
HELENA ARPT-RADIO: About Dec 15, CAA twr will be reactivated and consolidated with the Airway Communication Stn into a single fac operated from the twr lctn. Control of air traffic within the arpt traffic zone will be during daylgt hrs. During hrs of darkness advisory service will be furnished acft equipped with two-way radio. (10-25) FLD: Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. (10-21)
LEWISTOWN ARPT-Use rnwys only. (11-13)
MILES CITY ARPT-Bndry lgts inop. (9-20)
MISSOULA CO. ARPT (MISSOULA)-NE/SW rnwy closed. NW/SE rnwy closed to class B-17 or heavier acft. (11-13)
MOORE ARPT-S end N/S strip rough. (7-30)
MULLAN PASS-RADIO: During winter months, range will be operated intermittently on reduced pwr - courses unreliable (ice on loops) (11-3)
POLSON AIRPORT-Usable with caution. (7-19)
POPLAR ARPT-Dangerous when wet. (9-6)
SIDNEY AIRPORT-Ends of strips in cultivation.
VALLEY CO. ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using. (9-7)
WOLF POINT ARPT-Hay stacks on fld. (9-10)

NEBRASKA

AINSWORTH ARPT, OLD-CLOSED. (10-27)
AINSWORTH MUN. ARPT-Use rnwys only. (10-27)
BEATRICE AIRPORT-Exten const. (5-24)
BIG SPRINGS-RADIO: On Jan. 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
CLAY CENTER ARPT-Use strips only. (5-19)
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (9-26)
ELGIN ARPT-Haystacks on fld. (5-24)
FREMONT ARPT-Sod areas freshly seeded-unsafe for landing or taxiing when wet. (11-15)
GRAND ISLAND AAF-RADIO: Army ILS temp inop. (9-27) FLD: Only 73, 100 oct. avail. (8-20)
KEARNEY AAF-CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS. Use rnwys, taxiways only. (10-23)
LEE BIRD FLD (NORTH PLATTE)-Army acft rstd from refueling except in extreme emerg. (10-9)
LINCOLN ARPT-Private acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. Bcn inop. (11-25)
McCOOK AAF-Temp inactive-no facs. (See Special Notice re use).

NEBRASKA-Continued

NW/SE rnwy avail. only. (11-13)
OMAHA ARPT-Use rnwys only. Rnwy 17R-35L closed-avail. for taxiing only except W of center taxi strip. (11-12)
**ORD ARPT-New fld. Lat 41-36-30, long. 98-56-30. (11-14) See page 29.
OVERTON-RADIO: On Jan. 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
SIDNEY INT, SITE 50, SL-OH-E/W strip avail., bal fld rough. (9-20)

NEVADA

**AUSTIN ARPT-Retained by navy and will hereafter be carried as Austin OLF. (11-6) See pages 21, 52.
BATTLE MOUNTAIN-RADIO: Courses ground-checked only, SW course 3° S, bear. 46°. (10-25) 116.1 mc. transmitter and rcvr temp inop. (11-6)
BATTLE MTN FLIGHT STRIP, SITE 35, SF-SL-Use paved surfaces only-shoulders soft. NE half NE/SW rnwy closed ngts-40' unlgtd obst 800' NE of NE end NE/SW rnwy. (11-5)
BOULDER CITY ARPT-SW end NE/SW rnwy unusable. (10-8)
DERBY, BCN SITE 212 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)
DOUGLAS-TAHOE AIRPORT (MINDEN)-S 700' N/S taxiway closed. (4-2)
FALLON-RADIO: Stn unmanned 2300 to 0700.
FALLON ARPT-Closed except in emerg. (9-27)
FERNLEY (Site 22, San Francisco-Salt Lake)-Rough with soft areas due wind erosion, soft sand, marked. (7-10)
★GOODSPRINGS-RADIO: FM coordinates: lat 35-50-22, long. 115-26-00. This corrects "AIRGI", Vol. 1, No. 16.
HUBBARD FLD (RENO)-Rnwy 16-34 extended 1000' beyond range lgts. Extension unusable. Equip., ditch immediately N of range lgts. Equip. E, W ends Rnwy 7-25. (10-29)
INDIAN SPRINGS AIRPORT-Temp inactive. No facs. (See Special Notice re use.)
LAS VEGAS-RADIO: About Dec 4, SE course will be realigned to 292°. (11-20) VHF range will be comm soon at lat 36-11-06, long. 115-05-48. Bear. and dist. stn to McCarran Fld: 24°, 4.2 mi. Freq. 109.1 mcs. Ident "LQ". Courses: Visual, 290,209°. Aural, 1190,299°. Mag. variation 16° E. Simult voice channel and receiving watches (3117.5 kcs, 116.1,131.7 mcs) avail. 24 hrs daily. Stn class: VAR-VDT. (10-8)
LAS VEGAS AAF-No weather forecasting. Clearance by AFS. Obst bcns No. 3 and 4 atop Sunrise Mtn inop. Disabled acft 50 yds off SW end Rnwy 2-20, obst lgt on tail. Ltd opers facs. No maintenance. (10-30)
RENO-RADIO: 116.1 mc transmitter inop. (11-20)
RENO AAB-Closed-emerg use only.
TAHOE SKY HARBOR ARPT (GENOA)-Trans or inexperienced pilots avoid using. (8-5)
TONOPAH-RADIO: Stn unmanned from 2400 to 0800 daily. (7-31)
TONOPAH AAF-RADIO: Army air to ground stn inop. (11-20) FLD: Temp. inactive. No facs. (See Special Notice re use).
VISTA, BCN SITE 200 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)
WADSWORTH, BCN SITE 216 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)
YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)

NEW HAMPSHIRE

BOIRE FIELD (NASHUA)-Wind cone atop brick hangar bldg used to indicate wind conditions. In calm air conditions, take-offs and landings will be made toward the NW. (7-15)
BRATTLEBORO-HINSDALE AIRPARK (HINSDALE)-Use only N/S strip unless familiar with fld. (6-4)
GRENIER FLD (MANCHESTER)-RADIO: Army DF stn temp inop. (11-22) FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.

NEW HAMPSHIRE-Continued

HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-9)
LAKES REGION ARPT (WOLFEBORO)-CLOSED (const). Grass strip avail. in emerg. (11-18)
LANCASTER AIR PARK-CLOSED. (4-25).
LEWIS FLD (LITTLETON)-CLOSED (const). (4-23)
NEWPORT ARPT-60' trees N end N/S strip. (10-9)

NEW JERSEY

ATLANTIC CITY NAS-Avail. 0700 to 1530 Mon thru Fri. ETA prior to 0700 and after 1530 requires previous arrangement with Operations Officer. (7-11)
BENDIX-RADIO: Tests of exper equip. will be conducted on freqs of 108.5, 109.3, 110 .1 mcs.
★BOUNDBROOK-RADIO: Tests of exper equip. on freqs of 108.5, 109.3,110.1 mcs discont Nov 15.
CAPE MAY CGAS-Closed to trans acft except in emerg (caretaker status - no facs).
CARTARET-Beacon, side lgts inop on twr Radio Stn WOR. (7-24)
COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (8-2)
FORT DIX AAB (WRIGHTSTOWN)-Temp inactive. No facs. (See Special Notice re use).
FORT DIX-Artillery range at Fort Dix. When firing in progress, special traffic patterns are used.
LAKEHURST NAS-Rnwy tests in progress days, until approx Dec 19. (11-19)
LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Temp fence erected at SW bndry fld. (8-6)
LAKEWOOD ARPT-N/S strip under const. (10-15)
NASSAU AIRPARK (CLARKSVILLE)-100' drainage ditch N side NW/SE strip, mrkd. (3-27)
NEWARK-RADIO: Multiples all courses.
NEWARK ARPT-Closed to all acft without 2-way radio. Landing fee for itinerant acft now in effect based on weight classification. All acft must taxi to the City of Newark Registry Office NW side fld and register. E 800' Rnwy 28 rough. Pilots are to make approach for numeral on Rnwy. No hangar space for Army acft. S 1800' from extreme end pavement Rnwy 1 closed until approx Dec 15. 75' lgtd pile driver approx.1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. (10-13) To reduce the noise of acft flying over Newark residential areas and to avoid tall bldg section following must be complied with: 1. Increase the rate of climb as much as practical. 2. North-bound or East-bound acft make left turn as soon as practical when taking off to SW. 3. Make a half left turn as soon as practical when taking off to W. 4. Make a half right turn as soon as practical when taking off to N. Pass at least 500' to E of gas tanks lctd in Harrison when making a southerly direction approach to the N/S rnwy. 5. Whenever practical the arpt traffic controller will suggest the use of rnwys which will permit acft to avoid passing over residential and tall bldg areas. (9-7)
RED BANK ARPT-Area starting from hwy W 1200' to the intersection of the N/S strip unusable. E end E/W strip seeded. (10-28)
TETERBORO AIR TERMINAL (BENDIX)-Taxiway S end rnwys incomplete. Dirt strip adj to NE/SW rnwy closed. Observe instructions for taxiing from twr. Const on N. S end present rnwys. Lgt acft operating from fld. (10-26)

NEW MEXICO

ALAMOGORDO AAF-RADIO: Army IIS (CAA type) inop. (8-7) FLD: Opers and svcg avail. 0730 to 1600 Mon thru Fri only. Rnwy 3-21 lgts inop. (7-19).
ALBUQUERQUE ARPT-Used by RFC. Avail. only for delivery surplus acft this fld, prospective purchasers of surplus acft or parts,or in emerg.
ANTON CHICO INT, SITE 78A, LA-AQ-No fuel. (5-30)
CLOVIS AAF-CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.
CONDON FLD-See Notice under White Sands Proving Ground, N. M.
CRENS FLD, SITE 42, EO-PU-(RATON)-CLOSED (const). (4-29)
DEMING ARPT-Closed-emerg use only.
DEMING FLD(CENTER)-Closed-emerg use only.
DEMING FLD (SOUTH)-Closed-emerg use only.

NEW MEXICO-Continued

**DILIA-Bcn Site, 78B, LA-AQ changed to 79B LA-AQ. Flash. code char. (- - .) (10-31)
GALLUP ARPT-E/W rnwy closed. (5-4)
GALLUP CITY FLD-ENE/WSW strip under const. (5-7)
GUZMAN MT, BCN SITE 364 MI. BLINKER, PU-EO-Will be perm discont on or about Dec 9. (11-21)
HOBBS AAF-Rnwys 3-21, 12-30 closed. (10-16)
HOBBS MUN. ARPT-Allway landing area rough. Heavy acft use rnwys only. (7-21)
JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)
KIRTLAND FLD (ALBUQUERQUE)-RADIO: Army air to ground stn facs inop. (11-20)
FLD: Blinding 25 million candle-pwr ceilometer projector installed 1000' N of Terminal Bldg. (6-3)
LAS VEGAS ARPT-Use rnwys only-bal fld unsafe. (11-13)
MAGDALENA MUN. ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (5-6)
ROSWELL AAF-Ltd parking, svcg facs. (10-25)
ROSWELL-Inten inst train. on Roswell Radio Range below, above, and in overcast. Acft inbound to Roswell or operating in vicinity under IFR, contact Roswell Radio for instructions.
SANTA FE ARPT,new-Rnwy lgts inop. Army acft restd from refueling except in extreme emerg. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)
WEST MESA ARPT (ALBUQUERQUE)-Surplus Acft Sales Center - parked acft.
WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condon Fld, White Sands Proving Ground will be cleared to Biggs Fld, Tex, and will obtain permission and instructions from Biggs Fld opers before landing at Condon Fld. When Condon Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by radio prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condon Fld. (10-14)

NEW YORK

ALBANY ARPT-Equip. on fld intmtly. (11-13)
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO-RADIO: Range flgt-checked Nov 14, W course 5 1/2° N, bear. 97°.
BUFFALO ARPT-Acft entering and departing Buffalo traffic zone use ctn-new arpt 4000' ESE. 70' unlgtd smokestack W bndry fld between E/W and NE/SW rnwys. Rnwys and taxi strips mrkd with black flags for winter opers. (10-24)
CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control local traffic and at other times when circumstances make such practices consistent with safety. Equip. N, W of N/S rnwy days. (11-13)
CHEMUNG VALLEY ARPT (WAVERLY)-Right traffic when taking off or landing to the W and N. (9-20)
CLASON'S POINT-RADIO: Dec 17, weather permitting present New York (La Guardia) range will be decomm. Simultaneously Clason's Point range will be comm at lat 40-41-11, long. 73-50-33. Freq. 209 kcs. Ident. "LG". Bear. and dist, stn to La Guardia Fld; 222°, 3.2 mi. Courses will be: 42°,129°,222°,273°. Stn class: SBRAZ-VDT. VHF voice fac will transmit on 116.1 mcs. Stn will guard: 3105,4495,6210,3117.5 kcs, 116.1 mcs. Clason's Point IFM will be decomm. FM will be comm at New Rochelle, N.Y. at lat 40-53-17, long. 73-47-19, on NE course. Bear. and dist, range to FM: 42°, 5.6 mi. Ident one dash. Simultaneously, FMK will be comm at the New Rochelle, N.Y. FM site on 275 kcs, ident "N". These facs, outer mkr and outer compass lctr stn on CAA IIS La Guardia Fld will be comm. simultaneously. (11-20)
**CROTON AIR PARK (PEEKSKILL)-New fld. Lat 41-14-15, long. 73-51-00. (6-11) See Page 44. Hangar under const. (6-11)
★FLOYD BENNETT FLD NAS (NEW YORK)-RADIO: Navy OCA unit comm Nov 9. Operates 0800 to 1700 daily when inst conditions exist. FLD: Closed 1700 to 0800.(8-15)

FORT PLAIN INT, SITE 40A, CV-AZ-NE/SW strip, SE 700' NW/SE strip rough.(10-31)
GLOVE CITY ARPT (GLOVERSVILLE)-Right traffic pattern except when taking-off or landing to E. NE corner fld unusable, soft area mrkd. Closed to all acft above 250 horse pwr. (7-3)
HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HYLAN FLD (ROCHESTER)-Use strips only - caution when wet. (8-16)
IDLEWILD-RADIO: About Dec 2, weather permitting, courses will be realigned to: 42°,132°,222°,312°. (11-21)
IDLEWILD ARPT-Temp pavement on Rnwys B-N/S and C-NE/SW being removed with trenches across rnwys presenting extreme hazard even in emerg. Not yet opened-const. (10-15)
ITHACA ARPT-Right traffic pattern in use. (8-3)
KINGSTON-ULSTER ARPT (KINGSTON)-ESE/WNW strip closed. (3-20)
**LA GUARDIA FLD (NEW YORK)-RADIO: Army air to ground stn decomm. Nov. 1. About Dec 4, approach control VHF transmitting and rcvg facs 118.9 mcs will be changed to 118.7. (11-20) Dec 17, the outer mrkr of CAA ILS will be relctd at lat 40-42-54, long 73-55-50, lctd 4.4 mi SW of SW end NE/SW rnwy. Simultaneously outer compass lctr stn (to be lctd at new outer mrker site) will be comm. Freq. 317 kcs, ident. "O". (9-13) Lclzr courses, used in connection with closed Rnwy 4-22, not reliable for approx 30 days. (10-29) FLD: ARMY ACFT HAVING OFF. BUS WITH HQ ATLANTIC DIV ATC, FT. TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. or with Cmdr Eastern Sea Frontier or Hdqs 3rd Naval Dist when RON or refueling services not required. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVY ACFT USE NAS FLOYD BENNETT. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Obst lgts atop lclzr shack approach end Rnwy 22 and end Rnwy 4. 20' lgtd bldgs 300' E of NE end NE/SW rnwy. Rnwy 4-22 closed until Nov 30-repairs.(11-23)
MacARTHUR FLD (ISLIP)-Mobile ILS units 20' high on all rnwys 500' from rnwy centerline, lgtd. Acft use ctn-unconventional flight test oper. (11-18)
MALONE-DUFORT ARPT (MALONE)-Avail. ski-equipped acft only. (11-21)
MASSENA-RADIO: About Nov 27, VHF range will be comm at lat 44-54-50, long 74-43-23. Freq 108.7 mcs. Ident. "ME" Aural courses: 143°,323° visual courses: 53°,233°. Var 14°W. Class: VARW. (11-16)
MASSENA-156' twr Radio Sta WMSA lctd 232°, 3.0 mi SW, temp lgtd with red lgts on top. Upon completion lighting facs will consist of 300 mm flash. beacon atop and four side lgts; two at 1/3 level, 2 at 2/3 level. (9-9)
MASSENA ARPT-Use rnwys, taxi strips only - turf rough. (6-11)
★MITCHEL FLD (HEMPSTEAD)-RADIO: Army VHF (DF) stn operates cont on 140.58, 126.18 mcs. Ident. "Collect" Lctn: 1300' S of Rnwy 30. (11-19) NE course of Army range realigned to 248°. (11-20) Army ILS (CAA type) temp inop. (7-31) FLD: Rnwy 18-36 Closed. (7-17)
MONTGOMERY FLD (U.S. MILITARY ACADEMY NO. 1)(MONTGOMERY)-CLOSED.(11-7)
MT. BEACON, BCN SITE 5, LG-UL-Site inop for relctn 800' in an easterly direction from present site. (11-8)
NASSAU ARPT (HEMPSTEAD)-Fld not maintained. (6-28)
NEW YORK-Each week end, weather permitting, between the hrs of 0900 Sat and 1600 Sun, Naval acft from NAS New York will conduct live gunnery runs and practice bombing in the following area over New York Harbor; beginning at lat 40-32, long 73-46; to lat 40-34, long 73-15; to lat 40-00, long 73-15; to lat 40-00, long 73-55; to lat 40-22, long 73-55; to lat 40-22, long 73-46 to the point of beginning. (11-15) THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.
NEW YORK-SPECIAL NOTICE-RADIO: See Clason's Point Radio.
NEW YORK CITY-See Special Notice "Restriction on Flight of AAF Acft in New York City Area".
NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail 2000 to 0800. (10-30)

PULASKI ARPT-Const. Landing area being extended in all directions. (8-7)
ROCHESTER APRT-Use rnwys only-soft. No hangar space. Equip. on fld days. (11-13)
ROME AAF-Traffic alt 1500' MSL. Right traffic pattern. (7-15)
SALAMANCA ARPT-SPECIAL NOTICE: The Common Council of the City of Salamanca passed ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100 for each violation. Closed to heavy acft. Right traffic pattern when landing and taking off to W-variable pattern to clear houses 1000' W of end of strip. (10-9)
SARANAC LAKE ARPT-Use rnwys, taxi strips only - turf rough. (6-5)
SCHENECTADY CO. ARPT (SCHENECTADY)-Use rnwys only-turf areas soft. (11-12)
SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic when landing to the E. (11-18)
SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const-NE/SW avail. with ctn.(11-22)
SMITHPORT INC. (UTICA)-Hangars under const. (10-14)
STEPHENTOWN-RADIO: FM to be relctd on E course of Albany, N.Y. range.
STEWART FLD (NEWBURGH)-Pilots unfamiliar with Stewart Fld let-down procedure will not be cleared this fld under actual inst conditions. Final approach under these conditions will be made on SW leg Stewart Fld rnage only. (8-5)
SYRACUSE ARPT-Turf areas soft after heavy rains. (9-10)
TONAWANDA RPT-NE/SW strip rough. Acft land on either side of rnwy. (8-11)
TROY ARPT-Bcn inop. (10-10)
UTICA ARPT-Bcn lgt burning but not revolving. (11-13)
WALLKILL FLD (U.S. MILITARY ACADEMY NO. 2)(WALLKILL)-CLOSED. (11-7)
WATERTOWN ARPT-Installing lgts. Land, taxi with ctn-holes along rnwys edges.(8-1)
WESTCHESTER ARPT INC (ARMONK)-Const, tree removal equip on fld. (8-16)
WESTCHESTER COUNTY ARPT (WHITE PLAINS)-Const, excavation, equip. SW end NE/SW rnwy. Lgts inop due to repairs. 3 unlgtd 40' masts being erected off bndrys of fld approx 1000' SE of intersection of N/S and E/W rnwys. Equip. on NE end NE/SW rnwy daily from 0700 to 1600. (10-8)
WINGDALE ARPT-Avail. lgt acft only - rough. (3-21)

NORTH CAROLINA

ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy approach all rnwys with ctn, equip on fld. No radio facs. (1-7)
ATLANTIC MCAAF-Use in emerg only (caretaker status - no facs.)
BALLOON FLD NO. 1 (FORT BRAGG)-CLOSED. (11-20)
BOGUE MCAAF-Closed to all acft except in emerg (no facs). (7-11)
BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (6-6)
BURLINGTON ARPT-CLOSED (equip). (11-25)
CANNON ARPT (CHARLOTTE)-Surplus Acft Sales Center - parked acft.
**CAROLINA AIRPARK INC (KANNAPOLIS)-New fld. Lat 35-27-45, long 80-36-00. (10-2) See page 109.
CHERRY POINT MCAS-RADIO: Temp Navy twr lctd adj to tetrahedron. (10-29) FLD: Const, equip. on rnwys. Rnwy lgts being repaired. (7-17)
EDENTON NAS-Use in emerg only (caretaker status - no facs).
ELIZABETH CITY CGAS-Stay on rnwys - shoulders soft, rough. Closed ngts from 1930 to 0730 except on prior req. All fld lgts inop. (9-13)
FAIRCHILD-CIVIL ARPT (BURLINGTON)-Use rnwys, taxi strip only.No fld facs.(3-29)
FORT BRAGG-Heavy firing is being conducted in all sections of Fort Bragg danger area up to 20,000 ft. All acft must avoid this area shown on Flight Planning chart 110 herein. Intsn train. days with radio control target planes from fld 6 mi due E of N end Pope Fld. Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute.
**GILMORE ARPT NO. 1 (JULIAN)-New fld. Lat 35-54-00, long 79-39-00. (10-3) See page 109.
**GILMORE ARPT NO. 2 (SILER CITY)-New fld. Lat 35-41-15, long 79-24-30. (10-3) See page 109.
GREENSBORO-HIGH POINT ARPT (GREENSBORO)-Both sides Rnwy 32 to intersection soft rutted. Use rnwys only. (9-9)
**HOGAN FLD (CHAPEL HILL)-New fld. Lat 35-56-30, long 79-07-00. (10-3) See page 109

NORTH CAROLINA-Continued

KINSTON MCAAF-Avail. civil. acft only in emerg. (11-13)

**LEXINGTON ARPT-New fld, Lat. 35-48, long. 80-17-15. (10-1). See page 109. Ctn-Strip rolling. (10-1)

MORGANTON ARPT-Soon will be closed to all acft-use Riverside Arpt. (4-26)

**PINE ACRES ARPT (LAURINBURG)-New fld. Lat 34-44-15, long. 79-29-45. (9-30). See page 109.

POPE FLD (FT. BRAGG)-CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAYRADIO-USE AUX STRIP 2 MI N, AT FT. BRAGG. Svcg avail. that fld. Heavy glider traffic. Equip on fld days. 73,100 oct. avail. (8-26)

**RALEIGH-DURHAM ARPT (RALEIGH)-Neon approach lgts comm. consisting of a green 18' ors lgt lctd 100' from SW end NE/SW rnwy and 14 red neon lgts stations,spaced approx. 100' apart. (11-4). See page 109. ILS and transmitter bldgs 900' from NE end NE/SW rnwy. Glide path unit 400' S center line and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obsts mrkd. (7-31)

ROANOKE ISLAND ARPT (MANTEO)-Bcn inop. (10-4)

SEYMOUR-JOHNSON FIELD (GOLDSBORO)-Use rnwys only - shoulders soft. Temp inactive No facs. (See Special Notice re use)

**SPINDLE CITY ARPT (GASTONIA)-New fld. Lat. 35-15-10, long. 81-08-00. (10-1) See page 109.

**THOMASVILLE ARPT-New fld. Lat. 35-51-45, long. 80-01-30. (10-2). See page 109. Ctn-Strip rolling. (10-2).

**UPCHURCH ARPT (RAEFORD)-New fld. Lat. 34-59-15, long. 79-13-30. (9-30). See page 109.

WEEKSVILLE NAF-LTA-Avail. NTA AND LTA acft daylgt hrs.; ngts by prior tlfo arrangement or in emerg. (9-3)

NORTH DAKOTA

BISMARCK ARPT-Use rnwys only. Equip. on fld-resurfacing rnwys. Army acft rstd from refueling except in extreme emerg. Crash and fire fighting equip. avail. 0800 to 1900 only. (9-16)

CHANDLER ARPT (WILLISTON)-Use strips only, bal fld rough. (5-10)

DAWSON INT, SITE 63 HL-TWIN CITIES-Lgtd snow fence erected in E-W direction approx 75' N of present fld bndry lgts SE corner fld. (10-30)

DICKINSON-RADIO: Moderate multiples E course, lgt multiples other courses.

DICKINSON MUN. ARPT-30' hay stacks near all edges fld. Use rnwys only. (10-9)

FARGO ARPT-HECTOR FLD (FARGO)-Tetrahedron flash. lgts indicates weather below CFR minimums. Bcn will operate only during hrs of darkness. (10-1)

GRAND FORKS ARPT-50' const booms adj to NE corner fld, lgtd ngts. (11-21)

**HETTINGER ARPT-New fld. Lat. 46-01, long. 102-38. (11-3). See page 9

JAMESTOWN ARPT-Obst lgts atop 190' twr Rdo Stn HSJB, 2 mi SW discont. Twr being dismantled. (11-4)

PEMBINA INT, SITE 14A, FO-WO-Lgt acft use ctn-snow drifts. (11-23). These data rcvd too late for (8) symbol.

**PORTAL ARPT-Lat 48-59-15, long. 102-32-30. Arpt of Entry. (6-18). See page 9.

VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES-CLOSED (const). Course lgts changed to red. Bndry lgts discont. (7-29)

OHIO

AKRON ARPT-Surplus Acft Sales Center-parked acft. Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg on arvl and dptr. Ltd svcg facs only. Steam shovel SW end NE/SW rnwy 0800 to 1600. (11-18)

AKRON-CANTON ARPT (GREENTOWN)-New arpt under const. Will be avail. approx Dec. 15. (10-18)

BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)

BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to N, W and SW. (7-17)

OHIO-Continued

BROOKFIELD ARPT-Avail. lgt acft only. N/S strip under const. (4-21)

BRYAN-DEFIANCE MEMORIAL ARPT (DEFIANCE)-Use E/W rnwy only, bal fld and rnwys under const. (7-3)

CEDAR LAWN ARPT (KENTON)-Use strips only. (6-26)

CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. (5-1)

CLEVELAND AIRPORT-Trans pilots must register in Terminal Bldg upon arvl and dptr Landing Fee on all civil, multi-engine acft. Red obst lgt atop Terminal twr 10 mi NE inop. (11-21)

CLINTON CO. AAF (WILMINGTON)-Rnwys lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC Center upon entering or prior to dptr from ATC area. Inten inst training being conducted-for danger area description see Wilmington, Ohio. (7-8)

CONNEAUT ARPT-Use mowed strips only. (6-4)

DAYTON ARPT-Use rnwys only. Equip. on fld. Approach lgt lane under const for approx. 1500'off SW end Rnwy 6-24R. Consists of poles graduated up to 32' in height. (9-26)

FINDLAY ARPT-Lgtd bldg under const NE of fld. (10-21)

GRIESER ARPT (WAUSEON)-Use strips only. (7-3)

GRIMES FLD (URBANA)-Use strips only. Land according to wind tee lctd in center of fld. (5-27)

LANSDOWNE ARPT (GREENVILLE)-Equip. on fld intmtly. (8-12)

LIMA ARPT-1320' of the E portion of fld avail. in emerg only - under cultivation (7-26)

LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (10-17)

LORAIN CITY ARPT (LORAIN)-Water main being run thru the SW corner of fld, temp shortening NE/SW strip to 1800'. (9-27)

LOST NATION ARPT (WILLOUGHBY)-Const. Pilots use rnwys indicated by wind sock and tetrahedron lctd S side arpt. (7-9)

LUNKEN ARPT (CINCINNATI)-Past landing acft use ctn. Slightly rolling section Rnwy 6-24. Army facs ltd. (11-1)

MANSFIELD ARPT-RADIO: Priv. twr and low-powered range operate on req or for train. Freq. 269 kcs. Ident. "IV" FLD: Equip on fld (const). (8-12)

MARION ARPT-Use only NE/SW, NW/SE rnwys W side fld. NE/SW, NW/SE strips extend into cultivated area W end of fld. (6-4)

MATHER ARPT (CLEVELAND)-Closed to trans acft except on special permission. Const on 1000' NW/SE, 1100' NE/SW rnwys. (8-22)

McKINLEY ARPT (CANTON)-330' twr Radio Stn WCMW being erected 5 mi WNW (285°) true. (6-9)

MEDINA PRICHARD ARPT (MEDINA)-Soft when very wet, (10-14)

MIDDLETOWN ARPT-Right traffic pattern taking off to S,SW and W.

NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)

OHIO STATE UNIVERSITY ARPT (COLUMBUS)-Const. Trans use rnwys only (9-17)

OHIO UNIVERSITY ARPT (ATHENS)-5' ditch W end fld. (5-18)

PARKS WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E, NE, SE. (4-2)

PATTERSON FLD (FAIRFIELD)-RADIO: Glide path of Army ILS unreliable for ceilings under 100'. (7-1). Army GCA system temporarily deactivated. (8-16) FLD: Equip. on fld. (11-1)

OHIO-Continued

PAULDING COUNTY ARPT (PAULDING)-Soft when wet, land at own discretion. (6-7)
PORT COLUMBUS-NAS (COLUMBUS)-18" trenches being dug on SW side NW/SE rnwy from Admin Bldg to NW end NW/SE rnwy; from Admin Bldg to just W and parallel to Navy opers area terminating at bldg lctn 400' E of E end of E/W rnwy, mrkd. Rnwys unmrkd. (11-4)
RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)
SULLIVANT AVENUE AIRPORT (COLUMBUS)-W end E/W strip being extended 900'; S end N/S strip 1000'; SE end NW/SE strip 800'. These extensions are under const and unsafe. (6-14)
TAYLORCRAFT ARPT(ALLIANCE)-No radio. Left traffic 800' pattern. Student train. and test flying. Land acrdg to wind tee atop NE corner of hangar. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots must register in Opers Office upon arvl and dptr. (8-23)
TWIN CITIES AIRPORT (GALLIPOLIS)-Use in emerg only. Cattle on fld. (7-3)
WARD ARPT (BEDFORD)-NE/SW, NW/SE strips rough. (7-3)
WELLINGTON ARPT-Right traffic on N and SW rnwys. (10-19)
WILLARD ARPT-Avoid center section of N/S strip (soft). (6-19)
WILMINGTON-Experimental Flying is being conducted within the following described area: beginning at lat. 39-41, long. 83-01-30; S to lat. 38-48-40, long. 83-02-30; NW to lat. 39-11-20; long. 84-00; N to lat. 39-42-10, long. 84-00; E to point of beginning. This area should be avoided at all times.
WRIGHT FLD (DAYTON)-CLOSED TOO ALL TRANS MIL ACFT EXCEPT ON AUTHORIZED OFF. BUS. THIS STN OR IN EMERG AND TO ALL TRANS NAVAL ACFT. ALL OTHER ARMY ACFT AND TRANS NAVAL ACFT USE PATTERSON FLD. No svcg 2400 to 0730. Sod area closed. Exten exper and train. flights. Ltd maintenance. No quarters for trans crews.
WYNKOOP ARKP (MT. VERNON)-Under const. (6-20)
YOUNGSTOWN AIRPORT-Use rnwys only. Equip. on fld. (6-22)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron ngts on req only. Rnwy in use lgtd continuously. (6-20)

OKLAHOMA

ALTUS MUN. AIRPORT-Avail. only for delivery surplus mil acft or in emerg. Equip on and near N/S rnwy. (12-13)
ARDMORE ARPT-Being used American Airlines. Avail. trans acft in emerg only. No fuel or svcg avail. trans acft-use Ardmore Arpt, Site 10, FV-WD. Intenctd and inst train. in progress. (9-13)
BETHANY AIRPORT (OKLAHOMA CITY)-Use rnwys only. (6-6)
CHICKASHA FIELD -CLOSED - under supervision Defense Plant Corp. (8-4)
CIMARRON FIELD (YUKON)-Now a WAA Sales and Storage Center. No svcg, repairs or overngt storage. Planes parked on fld. 4 strips indicated by pylons and markers. Lime markings center of each strip. (5-25)
ENID AAF-RADIO: Army range unreliable (10-4). Ltd parking facs. Use rnwys, taxiways only. (5-8)
GARTHOEFFNER COUNTRY CLUB (OKLAHOMA CITY)-Only N/S, NW/SE strips avail. (6-26)
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
GUTHRIE INT, SITE 21, FV-WD-Const. Equip. on fld. Temp N/S strip avail. during const period. Bndry lgts to be decomm soon. Green course lgts changed to red. (5-21)
HATBOX FIELD-MUSKOGEE AIRPORT (MUSKOGEE)-Use rnwys only - parked acft.
LAWTON AIRPORT-Obst lgts inop. Bndry, flood lgts on req. (7-24)
MAX WESTHEIMER FLD (NORMAN)-Avail all acft up to 30,000 lbs, days only. Left traffic pattern; lgt acft 800', heavy acft 1000'. Lcl traffic avoid flying over bldgs on N Campus. All traffic avoid flying over corporate limits of Norman unless having vertical clearance of 2000' or more. (7-13)
MUNICIPAL ARPT (BOISE CITY)-Emerg use only. (5-11)
NEWKIRK SKYPARK-NW/SE strip under const. (8-3)
NICHOLS FIELD (OKLAHOMA CITY)-Use rnwys only. (1-14)
PERRY ARPT-Closed-emerg use only.

OKLAHOMA-Continued

PONCA CITY ARPT-Obst lgts atop 175' twr 1 mi S inop. (8-27)
POST FLD (LAWTON)-Closed to all except liaison type acft. Ext const. Equip on entire W half and NW portion fld. Closed ngts. Flash.bcn atop balloon hangar inop. Soft spots. Const on rnwys. (6-14)
ROOSEVELT-RADIO: VHF range will be comm soon at lat 34-52-00, long. 99-03-48. Freq. 108.7 mcs. Ident "RQ" (. - . - - . -). Visual courses: 53°, 233°; aural courses: 143°, 323°. (9-24)
SHAWNEE AIRPORT-Use rnwys, taxi strips only. (4-20)
TINKER FIELD (OKLAHOMA CITY)-RADIO: Army range reported unreliable for orientation and homing. (10-30). Army DF station temp inop. FLD: Equip. on Airdrome. (10-24)
**TULSA ARPT-254' rdo twr of Station KFMJ, erected 5 mi SSW (201°T) at lat. 36-07-18, long. 95-55-17, obst lgtd. (10-24). Pilots without radio watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only. Const on Terminal Bldg ramp. Equip. on fld days, lgtd ngts. Svcg, crash and fire fighting equip. avail. 0800 to 1700 Mon thru Fri only. (10-25)
WILL ROGERS FLD (OKLAHOMA CITY)-RADIO: About Nov. 27, CAA twr will transmit on 272 kcs, 118.7 mcs. 131.9 mcs receiver, and 126.18 mcs transmitter and receiver temp inop. (11-5) FLD: Ditch at approach end Rnwys 30, 35, lgtd. Bndry lgts inop-ctc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 type acft. (11-6)
WOODRING FIELD (ENID)-Use rnwys only. (8-5)

OREGON

ARLINGTON-RADIO: About Dec 5, Rcvg watches on 3105,4495,3117.5,6210 kcs, plus weather reporting services will be discont. (11-18)
ARLINGTON INT, SITE 12B, PD-SP-Tall grass on fld. (9-17)
BAKER ARPT-Use rnwys only. Equip. on fld days. Erecting 25' unlgtd bldgs adj to and outside bndry lgts-700' E of N/S, 700' S of E/W rnwys. (9-14)
**B & H ARPT (CRESWELL)-New fld. Lat 43-52-30, long 123-02-30. (8-10) See page 20.
BEAVER MARSH INT, SITE 73, RV-ND-Unsafe (snow). (11-23) These data rcvd too late for (R) symbol.
BLUE STAR ARPK (EAGLE POINT)-Hangars under const. (10-18)
CIVIL AIR PATROL ARPT (NORDEN)-CLOSED (muddy during winter months). (11-25) These data rcvd too late for (R) symbol.
**COTTAGE GROVE ARPT-New fld. Lat 43-46, long 123-04. (8-9). See page 20
EUGENE-RADIO: All courses have multiples (7-30). Soon, VHF voice fac will be comm at communication stn. Will transmit on and guard 116.1 mcs. cont. Stn class: SBRAZ-VDT. (11-13)
EUGENE ARPK-N/S rnwy closed-to be used as taxiway only. (9-13)
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade. (6-5)
HOOD RIVER ARPT-Grading in progress to widen and lengthen strips. (9-16)
KLAMATH FALLS-RADIO: About Dec 3, VHF voice fac will be comm at communication stn. Will transmit on and guard 116.1 mcs cont. Stn class: SBRAZ-VDT.
LA GRANDE-RADIO: About Dec 5, MH fac, rcvg watches and voice facs will be discont. (11-18)
MADRAS ARPT-Closed to all civil. flying. Acft landing this fld may be detained. (10-8)
MAHLON SWEET FLD (EUGENE)-RADIO: CAA ILS will be comm soon serving the N/S rnwy with approach from the N. Lclsr lctd 1100' S of S end N/S rnwy on centerline with approach lgt lane at N end. Freq. 109.9 mcs. Ident: "EU". Glide path lctd 750' from N end N/S rnwy 400' to the E. Freq. 333.8 mcs. Mag. heading for landing: 159°. Two marker bcns: middle marker lctd .63 mi N of the N end of N/S rnwy on centerline with modulation freq of 1300 cycles keyed alternate dots and dashes. outer marker lctd 4.5 mi N of the N end of the N/S rnwy on centerline with modulation freq 400 cycles keyed two dashes. (11-7) FLD: Equip. on fld. Use rnwys only. (10-6)
MEDFORD-RADIO: All courses have multiples.
MEDFORD AAF- Use rnwys, taxi strips only. Tetrahedron controllable from twr

until wind reaches velocity of 10 mph. No bndry or flood lgts. No maintenance. (10-22)

ONTARIO-RADIO: About Dec 5, MH fac, rcvg watches and voice fac will be discont. (11-18)

PENDLETON-RADIO: About Nov. 27, VHF voice fac will be comm at communication stn. Will transmit on and guard 116.1 mcs cont. Stn class: SBRAZ-VDT All courses have multiples with signal fades and surges.

PORTLAND-RADIO: Stevenson, Wash. FM will be comm about Dec 5 at lat 45-42-36 long. 121-54-24, lctd 32 mi E on E course, ident. two dots one dash.

**PORTLAND AAB-75' antenna pole erected 300' W of UAL hangar, obst lgtd. (11-21) See page 141. East N/S rnwy avail. taxiing only. Flash. lgts on tetrahedron indicates suspension CFR flights. 100 oct, ltd 73 oct avail. Ltd JP-1 fuel avail. Use rnwys, taxi strips only. (11-21)

ROSEBURG INT, SITE 41A, SF-SA-Unlgtd 100' pole 1200' S, 300' E of S bndry. (8-20)

SANTIAM JUNCTION FLIGHT STRIP (IDANHA)-Land to the E, take-off to the W. (8-10)

TROUTDALE AIRPORT-Surplus Acft Sales Center - parked acft.

**WILLAMETTO AIR PARK (EUGENE)-New fld. Lat 44-03-15, long. 123-11-00.(8-10) See page 1.

PENNSYLVANIA

ALLENTOWN-BETHLEHEM AIRPORT (ALLENTOWN)-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9, 14, 18 inop. (5-18)

ALTOONA-BLAIR CO. ARPT, SITE 24A, CO-PG-Use rnwys only. (8-13)

BARRETT ARPT (CANADENSIS)-Closed during winter months. (11-15)

BEAVER FALLS ARPT-Patterson Heights Arpt-1.5 mi S Beaver Falls is not under const, entirely avail. New fld, Beaver Falls Arpt closed-under const and soft. (3-30)

BLOOMSBURG ARPT-Temp too soft for use (recent floods). (6-1)

BUTLER-ALAMEDA AIRPORT (BUTLER)-Pilots avoid hospital area adj arpt. Use right traffic pattern on W take-off. (7-9)

CARLISLE AIRPORT-NW/SE strip under const. Use ENE/WSW strip only. (6-11)

CECIL-RADIO: Visual and aural FM signals reported in Vicinity of Imperial, Pa. (7-17).

CHAMBERSBURG-High explosives being discharged approx 7 mi NW thru Feb. 5, 1947, daily Mon thru Sat 0800 to 1700 within the following area: N bndry lat. 40-01; S Lat. 39-59-30; E long. 77-47; W long. 77-49. (8-3)

CHENUNG VALLEY ARPT (ATHENS)- 500' extension E end E/W strip under const.(5-31)

CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. (8-13)

CUB HAVEN AUX. SEAPLANE BASE (LOCK HAVEN)-Closed during winter months. (11-15)

DALEVILLE ARPT- Use right traffic pattern on E take off. (8-22)

EAST SCRANTON ARPT (SCRANTON)-Emerg use only. (5-28)

ERIE-RADIO: Range flight-checked Nov. 20, courses correctly aligned.

GREATER PITTSBURGH ARPT (PITTSBURGH)-Use rnwys only-shoulders soft. CFR plans only. Ltd Army facs. No 91 oct. No sto. Rnwy 32, first 500' of Rnwys 23, 27 closed. Equip. on fld. (9-24)

HARRISBURG STATE AIRPORT (HARRISBURG)-Use rnwys only. Do not use lock-wheel turns at ends of rnwys. (6-28)

JOHNSTOWN AIRPORT- Use rnwys only. (7-1)

JOHNSVILLE AIRPORT-RADIO: Navy twr temp inop on Sun. (4-26)

KAISER FIELD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only. (5-27)

LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd, stay between red flags. Sinkhole extreme E end E/W strip; 2 holes S end N/S strip, mrkd. (6-27)

MILLBROOK-RADIO: VHF range temp. shut down. (5-10)

MOUNT UNION ARPT-Use strips, taxiways only. Use rnwys only in wet weather-strips unsafe (rough). (6-28)

MT. POCONO AIRPORT-SITE 21, BUFFALO-NEW YORK-Shoulders NE/SW rnwy rough, not graded. Hazardous ruts along S side NW/SE rnwy. Use rnwys only. (5-22)

MUSTIN FLD NAAS (PHILADELPHIA)-Effective Nov. 27 thru Dec 3, no acft of the Army, Navy, Marine Corps or Coast Guard permitted to land at Mustin Fld or any Naval air activity within a 50 mi radius of Philadelphia for the purpose of attending the Army-Navy Football Game. (11-14) Avail. ngts to pilots familiar with fld and surrounding obsts. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Arpt for ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. (8-5)

OLMSTED FLD (MIDDLETOWN)-Ngt landings hazardous. Obsts adj fld. 81' high tension wires across approabh zones Rnwys 29, 14. Lgtd obsts between Rnwys 29, 32, approx 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgtd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to B-29 opers. Use rnwys 11, 32 for ngt landings. (10-14)

PHILADELPHIA-See notice under Mustin Fld NAAS.

PHILADELPHIA NORTHEAST ARPT (PHILADELPHIA)-Avail. radio-equipped acft. Use rnwys only. Equip. on fld intmtly days. Trans pilots must register in Admin Bldg on arvl and deptr. (10-15)

**PHILADELPHIA SOUTHWEST ARPT (PHILADELPHIA)-RADIO: Lclzr, middle and outer mrks of CAA ILS operating cont on 109.9 mcs for test purposes only. Transmitter lctd E end E/W rnwy. Ident. "PG". (11-19) FLD: Neon approach lgts comm. (11-14) See page 77. Closed to non-radio-equipped acft except in emerg. Const on fld. Use rnwys only. Use ctn in taxiing. (10-8)

PHILIPSBURG-RADIO: Range flight-checked Nov. 12. Multiples all courses.

PITTSBURGH-RADIO: DF Stn temp inop. (11-24)

PITTSBURGH-ALLEGHENY COUNTY ARPT (PITTSBURGH)-Army acft use in emerg only or on written orders. Use Greater Pittsburgh Arpt. Outgoing AAF flights clear thru AAF Flight Service. N/S rnwy closed. Equip on fld, mrkd. Closed to non-radio equipped acft. (7-18)

PITTSBURGH-PETTIS ARPT (PITTSBURGH)-Right traffic on NE and NW rnwys. (6-4)

PITTSBURGH-BUTLER AIRPORT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (7-24)

**PORT ERIE ARPT (ERIE)-Neon approach lgtng system comm on SW end NE/SW rnwy. (11-15) See page 40.

PUNXSUTAWNEY AIRPORT-WNW end ESE/WNW strip closed. (8-5)

**QUAKERTOWN ARPT-New fld. Lat 40-26-00, long 75-22-45. (11-7) See page 77.

**READING ARPT-RADIO: CAA ILS comm Oct 9 on Rnwy 36 on exper basis. Lclzr on 109.5 mcs. Not flight-checked. Lclzr temp inop. (11-11) FLD: Neon approach lgts comm. (11-14) See page 76. Ridges S and E within 4 mi of fld up to 1200' MSL. Equip. on fld days. Right traffic pattern on Rnwys 13 and 18. (6-11)

**SKYHAVEN AIRCENTER ARPT (MORRISVILLE)-New fld. Lat 40-11-30, long. 74-46-00. (8-23) See page 80.

SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings. (10-15)

VALLEY FORGE AIRPORT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (5-29)

VANDERGRIFT ARPT-Being repaired - use only center of strips. (4-25)

**WEST CHESTER ARPT-New fld. Lat 39-59-30, long. 75-35-00. (4-15) See page 76. Strips under const. (4-15)

WILKES-BARRE-WYOMING VALLEY ARPT (WILKES-BARRE)-Use rnwys only. (11-14)

WILLIAMSPORT ARPT-Closed ngts. Avail. emerg landings only. (10-4)

WILLOW GROVE NAS-Closed ngts. Equip. sides all rnwys days-lgts being installed. IFR inbound flights will be accepted daylgt hrs but no IFR outbound flights may be made. (9-16)

WINGS FLD (AMBLER)-NW/SE rnwy unusable (plowed up). Hangar const S side fld. Fld being graded, mrkd days. (9-14)

RHODE ISLAND

CHARLESTOWN NAAS-Const. Low Alt formation break-up. Use ctn below 1000' Alts. Equip on Runy 4-22.
GREENE, THEODORE FRANCIS, ARPT (PROVIDENCE)-Use runys only. Turf channels avail lok: instruction purposes only. (5-23)
SMITHFIELD ARPT-Emerg red flares for bndry lgts can be set out in 15 min.(9-7)

SOUTH CAROLINA

ANDERSON-RADIO: About Dec 15, homing, teletype and weather facs will be decomm. (11-18)
CHARLESTON MUN. ARPT-Use runys only. Army temp inactive-civil. facs. (11-19)
CLARK FLD (CHARLESTON)-Stripe rough. (4-19)
FLORENCE ARPT-Closed sunset-sunrise (bcn, runy, obst lgts inop. (7-12)
GEORGETOWN CO. ARPT (GEORGETOWN)-Equip. on runy shoulders. Bcn inop. (3-10)
GREENVILLE AAB-Only 73, 100 oct. Wind tee rmvd. Tetrahedron lgts inop. Non-radio equipped acft watch twr for landing direction. (10-3)
LANE-RADIO: About Dec 15, homing, teletype and weather facs will be decomm. (11-18)
LEXINGTON CO. ARPT (COLUMBIA)-Ltd army svcg 0800 to 1800. (11-23)
MEMORIAL ARPT (SPARTANBURG)-Use runys, taxi strips only. (11-7)
★MYRTLE BEACH AAF-RADIO: Army VHF (DF) stn, ident "Taylor" now transmits on and guards 139.32, 140.58 mcs. Operates 0800 to 1200, 1300-1700 and when lcl ngt flying in progress. (11-19) FLD: Inst train. at 1000 to 5000' alts 50 mi radius during IFR.
NORTH ARPT-Temp inactive. No facs. (See Special Notice re use).
OWENS FIELD (COLUMBIA)-RADIO: Soon, DT fac of CAA range will be relotd at Lexington Co. Arpt. (10-8) FLD: Use runys only. Req pilots avoid pivoting acft on NW end NW/SE runy. Small acft parked on ramp front Admin Bldg, mrkd.(8-14)
PARRIS ISLAND MCAS-Use in emerg only (caretaker status - no facs).
WOODWARD FLD (CAMDEN)-RFC planes parked entire fld. Use runys, taxi strips only. No facs for clearing flight plans other than fone. Flight plans should be closed with Shaw Fld twr before landing. Closed ngts. (1-16)

SOUTH DAKOTA

ANDERSON ARPT (MITCHELL)-Use strips only. (5-7)
BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All stripes soft when wet (8-5)
BIENDENFELT FLD (FAULKTON)-Hay stacks on fld.
BROOKINGS ARPT-W portion fld soft in wet weather, bal fld usable with ctn. (11-15)
PHILIP-RADIO: On Jan. 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
PIERRE ARPT-Tetrahedron unreliable. (6-18)
PLATTE ARPT-Use strips only.
RAPID CITY AAB-RADIO: Army ILS temp suspended. FLD: No svcg or opers 1900 to 0700 daily. (10-9)
SIOUX FALLS ARPT-Use runys only. Tetrahedron rmvd. (9-2)
SPEARFISH-RADIO: On Jan. 1, 1947 all radio facs, weather reporting and teletype services will be discont. (11-23)
W.W. HOMES ARPT (HURON)-Closed to all acft exceeding 25,500 lbs. Blinding 30 million candle pwr ceilometer 1000' NW bcn. (9-27)

TENNESSEE

BEACHVILLE, BCN SITE 69, DL-LW-Will be comm at new lctn soon. (10-18)
BERRY FLD (NASHVILLE)-Use runys only - runy, taxiway shoulders soft. (10-18)
CHATTANOOGA-RADIO: About Dec 10, cont listening watch on 3117.5 kcs will be discont. (11-20)
CHATTANOOGA ARPT-LOVELL FLD (CHATTANOOGA)-Intmt dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (9-25)
CORNELIA FORT AIRPK (NASHVILLE)-Landings and take-offs to S use left hand traffic, to N right hand traffic. (7-24)

TENNESSEE-Continued

CUMBERLAND FLD (NASHVILLE)-Strips under const. (1-26)
EMBRY RIDDLE FLD (UNION CITY)-Use runys only - parked acft.
KNOXVILLE-RADIO: Heavy multiples E course.
KNOXVILLE-McGHEE TYSON ARPT (KNOXVILLE)-S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rptd from refueling exdept in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. (10-3)
LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)
McKELLAR ARPT (JACKSON)-Use runys only - parked acft.
★MEMPHIS ARPT-RADIO: CAA ILS flt-checked Nov. 1. Middle mrkr comm Nov. 22, lctd 3500' W of W end of E/W runy, keyed (. - . -) Twr and approach control will be inop during period when wind velocity at Memphis is in excess of 45 MPH, At such times, traffic will be controlled by lgt gun signal from lctn atop term bldg on S side arpt.(11-19) FLD: Fld badly eroded. Use runys only-shoulders soft. Equip. on fld. Avail. private acft equipped with fully operating 2-way radio transmitting on one of the following freqs: 3105, 4495, 6210 kcs. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft not permitted. (11-23)
MEMPHIS NAS-CLOSED NGTS EXCEPT IN EMERG. Flight plans should be addressed to "MEMPHIS NAVY". Ngt flying in 5 mi radius up to 2500'. Exten flight opers in 15 mi radius. Traffic left at 1000'. Resurfacing Runys, mats. Red rot. bcn indicates IFR. (8-6)
SMITHVILLE-RADIO: Severe multiples E and W. (10-5)
SMYRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (6-25)
TRI-CITY ARPT-RADIO: Oct 5, CAA twr comm, operating 0800-2100. Lgt gun only. FLD: Army acft rptd from refueling except in extreme emerg. Use runys only-rough. Soft when wet. (10-22)

TEXAS

ABILENE AAF-Closed - emerg use only.
ABILENE AIR TERMINAL (ABILENE)-E/W runy avail. only on permission of control twr. (9-3)
ALICE ARPT-Runy lgts not visible on final approach-lgts obscured from air by grass and vegetation. (10-20)
ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use runys only - parked acft. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (6-3)
★ARLINGTON-MIDWAY ARPT (ARLINGTON)-Bcn char. changed from green to clear. (11-22) NE/SW runy unsafe-NW/SE runy usable with ctn. Runy lgts inop. (11-22)
ASHERTON ARPT-High brush - use strips with ctn. (6-11)
AUSTIN-RADIO: Range flight-checked, courses correctly aligned, break in stn lctn mrkr lgt pattern. (5-23)
AUSTWELL INT, SITE 5A, CR-HU-Unsafe (soft). (9-23)
BERGSTROM FLD (AUSTIN)-RADIO: Army ILS temp inop. (10-2) FLD: NE/SW runy closed. Unlgtd 20' lcl'r truck and antenna 1500' on an extended center line from N end Runy 17L. (11-7)
BIGGS FLD (EL PASO)-RADIO: Army ILS (CAA type) temp inop. (5-16) Army air to gnd stn freq. of 4630 kc. is inop. (11-20) FLD: Const on runys. Dirt landing strip at old fld closed for resurfacing. Five 90' twrs under const 2000' E of N/S runy, lgtd. (10-22) See notice under White Sands Proving Ground, N.M.
BRUCE FLD (BALLINGER)-Use runys only - parked acft.
BRYAN AAF-Temp inactive. No facs. (See Special Notice re use).
CAMP HOOD LANDING FLD (KILLEEN)-CLOSED EXCEPT ON OFF. BUS. THIS STN OPN IN EMERG. AAF Oper facs avail. Ngt opers on previous arrangements. Right traffic to N, left to S overhead approach. E/W runy closed. (6-28)
CARTHAGE AIR SERVICE ARPT (CARTHAGE)- E/W strip under const. (5-28)
CHILDRESS-RADIO: Sept 24, VHF range on exper status only comm and flight checked for cont oper at lat 34-22-12, long. 100-17-12, lctd approx 5-1/2 mi SW of Childress. Freq. 109.1 mcs. Ident. "CR" (- . - . - -). Visual courses,

53°, 233°; aural courses: 323°, 143°. (7-25)
CHILDRESS AAF-Temp inactive. No facs. (See Special Notice re use).
CLEVELAND-RADIO: Exper VHF range temp inop. (10-15)
CLIFF MAUS FLD (CORPUS CHRISTI)-Use rnwys only during wet weather. (9-12)
CORPUS CHRISTI-RADIO: 116.1 mc transmitter and receiver temp inop. (10-1)
COX AAF (PARIS)-Temp inactive. No facs. (See Special Notice re use).
CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings should be made within orange cone bndrys. Use strips only - parked acft. No svcg or lgts.
ELDORADO ARPT-E/W strip soft in wet weather. (12-11)
ELLINGTON FLD (HOUSTON)-RADIO: Army air to gnd stn. temp. inop. (11-20) FLD: Closed to VHB acft except in emerg. Temp inactive - no facs. (See Special Notice re use)
EL PASO MUN. ARPT-ED ANDERSON FLD (EL PASO)-RADIO: About Dec 1, ILS will be comm, serving NE/SW rnwy with approach from NE. Lclzr lctd 1700' SW of SW end of NE/SW rnwy, freq. 109.5 mcs. Ident. "EO". Glide path 1000' SW of NE end of NE/SW rnwy and 400' SE of rnwy centerline, freq. 332.6 mcs. Two mrkr bcns: Middle, 3556' NE of NE end of NE/SW rnwy on extended centerline with modulation freq 1300 CPS keyed alternate dots and dashes; outer, 4.56 mi NE of NE end of NE/SW rnwy on extended centerline with modulation freq 400 CPS keyed two dashes per second. Mag heading for landing: 217°. (9-27) FLD: Const 400' to left and 1000' from the approach end Rnwy 22. (5-17)
★ENGLISH FLD (AMARILLO)-RADIO: Army air to gnd stn. discont. Oct. 1. FLD: Use rnwys, taxi strips only. Army temp inactive - civil. facs. (7-26)
EULESS, BCN SITE 1, FV-AG-On or about Dec 9, will be discont. (11-22)
FORNEY-RADIO: FM on E course of Dallas range inop. (10-?)
★FORT WORTH AAF-RADIO: Army air to gnd stn now operating on 116.1, 137.88, 140.58 mcs. VHF only. (11-20) FLD: Rnwys 3-21 and E/W closed. 40' trees immediate end Rnwy 35L. (9-16)
GAINESVILLE AAF-Use rnwys only. (8-10)
GASKIN FLD (SHERMAN)-Use rnwys only.
GIBBS FLD (FORT STOCKTON)-Use rnwys only - parked acft. Use only in emerg.
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (5-22)
GOODFELLOW FLD (SAN ANGELO)-Use rnwys only. Ctc Goodfellow Radio 15 mi out in IFR weather. Acft flying N or E on range maintain odd 1000' alts. Acft flying W or S maintain even 1000' alts unless otherwise advised by Goodfellow Radio. Lcl inst acft using range. Ltd parking, svcg facs. (10-16)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT EXCEPT PTs. Ngt train. within gliding range from sunset to midngt at alts to 2000' above terrain. (7-1)
★GUADALUPE PASS-RADIO: Stn now gds 116.1 mcs only. (11-25) These data rcvd too late for deletion from "ANRA".
GUTHRIE-RADIO: VHF range will be comm soon at lat 33-46-30, long. 100-20-09. Freq. 108.3 mcs. Ident. "UH" Visual courses: 72°, 252°; aural courses: 162°, 342°. (9-26)
HEARNE BCN SITE, 15, OS-WC-Bcn inop. (5-16)
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. (7-31)
HICKS FLD (FT. WORTH)-Use strips only - parked acft. (4-25)
HITCHCOCK NAF-LTA-RADIO: 6390 kcs transmitter and receiver temp inop. (3-12)
**HOGG FLD (LAMESA)-New fld. Lat 32-44-15, long. 102-00-30. (10-16) See page 92.
HOLMAN ARPT (WICHITA FALLS)-Use strips only. Ctc Wichita Falls Radio for ngt landings. (5-12)
HOUSTON ARPT-Use rnwys, taxi strips - ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip on fld. (8-12)
**JEFFERSON CO. ARPT (BEAUMONT)-88' control twr adj to Admin. Bldg. dismantled. (11-18) See page 120. Const equip. on fld. (11-18)
JUNCTION-RADIO: About Dec 1, VHF range will be comm at lat 30-38-00, long. 99-58-43. Freq. 108.7 mcs. Ident. "JT". Visual courses: 128°, 308°; aural courses: 38°, 218°. (9-27)
KELLY FLD (SAN ANTONIO)-Acft on fld. Use rnwys only. 190' lgtd twr const W Rnwy 14-32. (9-17)
LAMESA FLD-Gov't owned acft parked W half fld. Use rnwys only. (6-6)
**LAREDO AAF-No army opers. Will hereafter be carried as Laredo Arpt. (11-14)
LAUGHLIN FLD (DEL RIO)-Closed - emerg use only.
LONE OAK, BCN SITE 5, DL-LV-Temp discont. (9-18)
LOVE FLD (DALLAS)-Rnwy 4-22 closed. Soft areas along taxi strips when wet. 30 million candle pwr ceilometer projector 1000' N of twr. Acft must be equipped with radio tuned to twr freq. (11-15)
LUBBOCK AAF-Temp inactive. No facs. (See Special Notice re use.)
MARFA AAF-Temp inactive. No facs. (See Special Notice re use).
MATAGORDA ISLAND BOMBING AND GUNNERY RANGE (MATAGORDA ISLAND)-Temp inactive. No facs. (See Special Notice re use).
MEACHAM FLD (FORT WORTH)-RADIO: CAA ILS will be comm soon serving N/S rnwy with approach toward S. Mag. heading for landing: 173°. Voice-equipped lclzr will operate on 109.9 mcs. Glide path on 333.8 mcs. Two mrkr bcns; Outer mrkr 4.09 mi N of N end N/S rnwy, keyed 2 dashes per sec; middle mrkr 0.7 mi N of N end N/S rnwy, keyed with alternate dots and dashes. (10-8) FLD: In wet weather use rnwys, taxi strips only. (11-8)
MIDLAND AAF-Temp inactive. No facs. (See Special Notice re use).
MIDLAND ARPT NO. 2-Fire and crash equip., svcg avail. 0800 to 2000 Mon thru Fri only. (11-25)
MINERAL WELLS ARPT, new-Use rnwys, taxi strips only, graded areas unsafe.(7-15)
**MONTGOMERY CO. ARPK (CONROE)-150' twr of Radio Stn KCFC erected 3 mi SW (214°T) at lat 30-18-35, long 95-27-33, obst lgtd. (11-12) Use in emerg only - no facs.
**RAVASOTA INT. SITE 10 OS-WC-150' twr of Radio Stn KCFA, erected 3 mi WSW (259°T) at lat 30-23-04, long 96-05-19, obst lgtd. (11-12)
ORANGE ARPT-NE/SW, NW/SE strips under const. Use only E/W strip. Fld flooded after rains. (7-10)
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (10-21)
PAMPA ARPT-Hangars being const along N/S hangar line parallel to N/S strip. (10-18)
PAMPA AAF-Closed - emerg use only.
**PANDALE ARPT-New fld. Lat 30-14-30, long. 101-24-30 (11-8) See page 88.
PERRIN FLD (SHERMAN)-Rnwy 3-21 closed. Acft parked S edge fld. (8-20)
PYOTE AAF-Rnwys 18-36, 7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (11-6)
RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld. (10-16)
RICH FLD (WACO)-Use strips only - muddy. Small ditch S end N/S strip (repairs on range lgts). (3-22)
**RIO GRANDE VALLEY INTERNATIONAL ARPT (BROWNSVILLE)-Old twr and portable control twr lctd N side arpt decommissioned and removed. (11-6) Rnwy 4-22 closed. Use rnwys, taxi strips only. Bldg 300' E, 700' S of N end Rnwy 17-35 lgtd. Civil. acft may be cleared thru this arpt for foreign flights. Army acft use Kelly Fld. Portable control twr 40' SW base of old twr. Obst lgts atop 90' antenna poles 3 mi N and 3 mi S inop. (10-28)
ROBERT MUELLER ARPT (AUSTIN)-Acft landing or taking off on Rnwy 34R use right traffic pattern. Acft landing or taking off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin. Bldg. On or about Nov 29, tetrahedron will be moved from N side of fld and relctd near center of portion fld between N/S and NW/SE rnwys. (11-20)
ROCKPORT ARPT-Closed except in emerg. Fire and crash equip removed. (8-1)
SALTILLO, BCN SITE 9, DL-LV-Temp discont. (9-18)
**SAM HOUSTON STATE COLLEGE ARPT (HUNTSVILLE)-150' twr of Radio Stn KCFB erected 2.5 mi SE (128°T) at lat 30-43-09, long 95-32-53, obst lgtd. (11-12)
SAN ANTONIO-Cloud flying on Randolph Fld Radio Rangeat alts assigned by San Antonio A. T. C. Acft inbound to Randolph Fld or operating in that vcnty

TEXAS-Continued

under IFR ctc Randolph, Alamo or San Antonio Range Stn and adhere to instructions issued by San Antonio A.T.C. Acft outbound from Randolph Fld adhere to instructions issued through Randolph Twr.

★SAN ANTONIO ARPT-ALAMO FLD (SAN ANTONIO)-RADIO: Glide path unit of CAA ILS flight-checked and comm Nov 9, on cont oper. FLD: Ltd svcg. Closed ngts to all civil. acft except scheduled airlines. (10-17)

SAN BENITO INT, SITE 2, JI-FV-Hangar under const 200' NE bcn twr and 200' N Opers Office, mrkd. (10-28)

SAN MARCOS AAF-Ctn-helicopter and liaison pilot training. (10-15)

SHEPPARD/KELL MUN. ARPT (WICHITA FALLS)-N/S rnwy W of fld rstd to acft 200 hp or less. Use rnwys only. Army temp inactive-civil. facs. Opers open only between 0800 and 1700 daily. (10-15)

SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible fromtwr due to parked acft. Stn sto acft rcvd only between 0800 and 1630 Mon thru Fri. Soft spot. approx. 1500' S of N/S rnwy. Ltd transportation, no housing, messing facs. Svcg, opers avail. 0800 to 1630 Mon thru Fri only. (10-22)

STINSON FLD (SAN ANTONIO)-RADIO: Dec 1, twr will be oper by lgt gun during CFR, daylgt hrs only. (11-25) FLD: Right traffic Rnwys 9, 14, 17, 22. Left traffic on all other rnwys. Traffic 800' above terrain 1367' MSL. Avail. days only. Rnwy 17-35 closed. (11-12)

TAYLOR ARPT (ALBANY)-CLOSED (rnwy const)(4-4)

TERRELL, BCN SITE 6, FV-AG-Temp discont. (9-18)

TEXARKANA-Demolition operations are being conducted approx 15 mi WSW Texarkana arpt, 0800 - 1615 daily except Sat and Sun. All acft ctned to fly above 1500' over this area.

TYLER-RADIO: Voice fac will be comm soon at communication stn on 116.1 mcs.

VICTORY FLD (VERNON)-Use rnwys only (parked acft). Avail. days only. (6-3)

WHITE FLD (BRADY)-CLOSED. (8-7)

UTAH

BRYCE CANYON-RADIO: 116.1 mc transmitter and rcvr, 131.7 mc rcvr and 111.1 mc transmitter temp inop. (10-2)

DELTA ARPT-Use rnwys only. (6-22)

DUGWAY FLD (TOOELE)-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG.

ENTERPRISE INT, SITE 39, LA-SL-Closed to lgt acft - rough. 25' unlgtd bldg under const adj fld 90' N of SE corner. (10-23)

HANKSVILLE-RADIO: 111.1 mc transmitter and 131.7 mc rcvr temp inop. Stn unmanned from 2200 to 0600. (11-10)

HANKSVILLE INT, SITE 54, LA-DV-N/S strip unlgtd. (6-17)

★HILL FLD (OGDEN)-RADIO: AACS, air to gnd stn is now in oper on 116.1, 140.58 mcs voice, 4595 kcs CW. (11-14) Army air to gnd stn. freqs. of 137.88 mc., 4765, 2862, 4697.5 kc. Voice; 8200 kc. CW inop. (11-20) Army DF (HF) stn oper temp suspended. (3-18)

MILFORD ARPT, SITE 45, LA-SL-Bldgs being const 300' N of bcn twr E side fld. Unlgtd bldgs SE corner fld S of and adj to bcn twr. (11-20)

PROVO ARPT-Soft shoulders. Fld lgts avail. on req. (7-18)

ST. GEORGE INT, SITE 36, LA-DV-Equip. along edges of strips. (6-13)

SALT LAKE ARPT NO. 2 (SALT LAKE CITY)-Use rnwys, taxiways only, shoulders soft. (6-5)

SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail. (5-3)

SALT LAKE CITY ARPT NO. 1-RADIO: CAA ILS will be comm soon serving N/S rnwy with approach from S. Localizer transmitter located 1000' N of N end N/S rnwy on centerline, freq. 110.3 mcs. Glide path transmitter located 750' N of S end N/S rnwy, 800' W of centerline, freq. 335 mcs. Two marker bcns: Middle, 3730' S of S end N/S rnwy, keyed with alternate dots and dashes, outer 4.69 mi S of S end N/S rnwy, keyed two dashes per sec. Sys will operate cont. FLD: Prevailing wind rnwy lgts operating ngts. Use rnwys-shoulders soft. Equip. ahead of Rnwys 31 and 34. (10-25)

UTAH-Continued

WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E in the Low Flight Strip area, from 0800 to 1800. See chart 23.

WENDOVER FLD-CLOSED TO ALL TRANS ACFT EXCEPT ON OFF. BUS. OR IN EMERG. Opers inop 1700 to 0730. No svcg 2000 to 0730. Fld lgts avail. only on advance req. Obst lgts on mtn N of fld inop. (10-14)

VERMONT

BARRE-MONTPELIER ARPT (BERLIN)-Use rnwys only. (8-7)

BURLINGTON ARPT-Use rnwys only. Const E side of N end N/S rnwy. (9-16)

VIRGINIA

ALBERTA ARPT-ENE/WSW strip rough. Ends, sides ENE/WSW, NNW/SSE strips marked by 12' yellow markers. (5-24)

ALTAVISTA ARPT-200' NE end of fld unusable in wet weather. (5-23)

BLACKSTONE AAF-Temp inactive-no facs. (See Special Notice re use).

CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (5-20)

CHINCOTEAGUE NAAS-Closed 1700 to 0800 except in emerg or on req with 2 hrs notice. Bcn operates all ngt except during local ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. (9-5)

COLONIAL BEACH ARPT-CLOSED (wet-high grass). (8-9)

DAHLGREN NAF PROVING GROUNDS-CLOSED TO TRANS MIL ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Off. flights must be cleared thru one of the following Naval Air Stns: Anacostia, D.C.; Patuxent River, Md; Norfolk, Va; Quonset Point, R.I.; Cape May CGAS, N.J.: Inyokern NAF, Calif; NAF Torpedo Stn, Newport, R.I.; Naval Acft Factory, Philadelphia, PA; Cherry Point MCAS, S.C.: Quantico MCAS, Va.; AAF Proving Gnds, Eglin Fld, Valpariso, Fla; Langley Fld, Va; Wright Fld, Dayton, Ohio, Aberdeen Proving Gdn, Aberdeen, Md; Lakehurst NAS, N.J.: 1 rnwy closed. Equip. on fld. Only 1 rnwy avail. ngts. (8-28)

DANVILLE ARPT-Use rnwys, taxi strips only, bal fld soft, rough. (11-22)

EMPORIA ARPT-Fixed tee, wind sock being ltd on hangar S side fld. Hangar under const. (5-4)

FENTRESS NAAS-Use in emerg only (caretaker status-no facs)

HARCUM ARPT-Use NE/SW strip only between yellow cone markers. (6-14)

HOPEWELL ARPT-SE portion under const. Equip. on fld. (6-7)

HYBLA VALLEY ARPT (ALEXANDRIA)-Surplus Acft Sales Center-parked acft.

**JOHNSON ARPT (ONONCOCK)-New fld. Lat 37-42-15, long. 75-43-30. (3-15). See page 76.

LANGLEY FLD-RADIO: N course of Army range swinging 5° W, bear. 167°. FLD: Rnwy 2-20 closed. Rnwy 12-30 closed ngts. (10-28)

LOVING FLD, SITE 35A, NA-WA (PULASKI)-Observe right traffic pattern for landings from SW on NE/SW rnwy. (8-1)

MILFORD INT, SITE 49B, AG-LG-NE/SW strip unsafe. (5-9)

MONOGRAM NAAS (DRIVERS)-Use in emerg only (caretaker status-no facs)

MT. VERNON-See Special Notice under District of Columbia.

NORFOLK-RADIO: VHF range comm FOR TEST PURPOSES ONLY Sept 26. Lctd at lat 36-48-18, long. 76-12-06. Ident. "NW". Freq. 108.7 mcs. Visual courses: 20°, 15', 200°, 15'. Aural courses: 110°, 15', 290°, 15'. Class: VARW. Aligned by ground check only. (9-28)

NORFOLK NAS-EAST FLD-Shoulders adj perimeter taxiway soft. Pilots on Southbound coastal flights proceeding in accordance with IFR to NAS Norfolk, shall establish radio ctc with twr at NAAS Chincoteague, Va., for further clearance instructions from Navy Norfolk. Pilots on Northbound coastal flights proceeding in accordance with IFR to NAS Norfolk shall establish radio ctc with Navy Weeksville Radio, NAS (LTA) Weeksville, Elizabeth City, N.C., for further clearance and instructions from Navy Norfolk. Equip. on fld. (7-22)

VIRGINIA

OCEANA NAAS-Rnwys, taxi strips under const. Facs avail. 0800 to 1630 Mon thru Fri. Acft clearances not accepted 1630 to 0800 Mon thru Fri. Essential mil flights accepted anytime on prior notification. (9-26)
ORANGE CO. ARPT (ORANGE)-E/W strip under const. (9-27)
PETERSBURG ARPT-CLOSED (const). (8-2)
★PRESTON GLENN ARPT (LYNCHBURG)-RADIO: Nov 12, CAA twr recomn. Simultaneously, Airways Communication Stn assumed duties of arpt traffic control. See page 73. FLD: Use rnwys only. Ctc Lynchburg Rdo for landing instructions. Pwr line extension of 2 poles approx 3200' NW of W end E/W rnwy;3 poles approx 3600 to 3800' W of W end E/W rnwy, unlgtd. (9-25)
PULASKI-RADIO: Courses aligned by ground check only. (11-20)
QUANTICO MCAS-Closed sunset to sunrise except in emerg. (11-14)
RICHMOND AAB-Ltd Army svcg facs. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft. Acft landing this fld without estab. rdo commun. with twr watch carefully for lgt gun signals-twr lctd in center of triangle of rnwys. (8-7)
RICHMOND-ELko Aux. Fld, 5 mi E of Richmond AAB, is similar in design and layout to the Richmond AAB, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse this fld with the Richmond AAB.
SHENANDOAH ARPT-N/S strip under const. (10-28)
UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (10-18)
VALLEY ARPT (WAYNESBORO)-Grading equip. on fld. One rnwy open. (10-12)
WINCHESTER AIRPORT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (6-7)

WASHINGTON

SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3, Spokane Sectional, and Washington 5 Danger Area Charts).
ARLINGTON NAAS-Use in emerg only (caretaker status-no facs).
BELLINGHAM ARPT-Do not taxi off surfaced areas-sodded portions soft. (10-28)
••BOEING-RENTON ARPT (RENTON)-Open to all acft. (11-20) See page 141.
CLE ELUM ARPT-Equip. on fld days. Use taxi strip N of and parallel to rnwy for landings. (10-28)
COLVILLE ARPT-NW/SE strip closed. (11-6)
CONNELL ARPT-18" grass and weeds on fld. (7-17)
COUPEVILLE OLF-Closed except in emerg. Train. Use requires 24 hrs advance notice thru Whidbey Island NAS. (9-11)
DOROTHY SCOTT ARPT (OROVILLE)-2' weeds S 1000' N/S strip. (7-1)
EASTON-RADIO: About Dec 5, MH fac, rcvg watches and voice fac will be discont. Easton FM will continue in oper. (11-18)
EASTON INT, SITE 5B, SA-HL-CLOSED (snow). (11-22) These data rcvd too late for Ⓡ symbol.
EASTON RIDGE, BCN SITE 57, SA-HL-Bcn inop. (10-17)
EPHRATA ARPT-Loose cattle on fld. (10-7)
FAIRWEATHER FLD (REPUBLIC)-Soft. Cattle on fld. (7-17)
FELTS FLD (SPOKANE)-Fanches bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. (8-28)
GEIGER FIELD (SPOKANE)-Temp inactive. No facs. (See Special Notice re use)
HAFER'S RANCH ARPT (CHEWELAH)-Closed pending decision re abandonment. (7-1)
KACHESS RIDGE, BCN SITE 55MI. BLINKER, SA-HL-Soon, site will be permanently discont. (11-1)
KELSO-RADIO: About Dec 5, MH fac, rcvg watches and voice fac will be discont. (11-18)
KENMORE ARPT (BOTHELL)-Avail. emerg use only-cattle. (9-10)
••KING COUNTY ARPT-BOEING FLD (SEATTLE)-Designation as Foreign Clearing Stn cancelled. (11-1) See page 141. No army opers. (11-22) See page 141.

WASHINGTON CONT.

Use rnwys, taxi strips only. Equip. adj Rnwy 13-31. (11-22)
LAKE SAMMAMISH SEAPLANE ANCHORAGE (ISSAQUAH)-CLOSED. (4-26)
MARTIN FLD (COLLEGE PLACE)-Const on strips. Strip 2500 x 150' cleared and flagged center of fld for landing. (11-7)
McCHORD FIELD (TACOMA)-RADIO: Army ILS (CAA type) temp inop. (6-12)
FLD: Use rnwys, taxiways only. Equip. on fld. Glide path bldg 13' high with 25' antenna being erected about 1340' N of S end N/S rnwy and 250' E of Rnwy centerline; lgtd ngts. (12-13)
MONROE-RADIO: FM on Seattle range temp inop. (10-3)
MOSES LAKE AAF-Temp inactive. No facs. (See Special Notice re use).
MT. VERNON OLF-Closed except in emerg. Train. use requires 24 hrs advance notice thru Whidbey Island NAS. Bcn inop. (10-1)
PAINE FLD (EVERETT)-Closed for landings, take-offs sunset to sunrise except by prior arrangement with fld manager. Lgts on req. (7-28)
PASAYTEN USFS ARPT (WINTHROP)-Horses on strips intmtly. (7-1)
••PASCO-Square danger area approx 10 mi NE has been discont. See Special Notice (first item under state heading).
PASCO NAS-Use in emerg only (caretaker status-no facs).
PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-CLOSED(rnwys under const). (11-5)
••RICHLAND AIR BASE-New fld. Lat 46-15-30, long. 119-16-15. (8-19) See page 4. NW/SE strip under const. (8-19)
ROSALIA MUN. ARPT-12" grass and weeds. (7-16)
••SAVAGE FLD. (CHENEY)-New fld. Lat 47-29-15, long. 117-35-30. (9-14) See page 4. Moderate soil erosion intmtly. (9-14)
SEATTLE-All acft advised not to fly below or near blimps in Puget Sound area.
SEATTLE NAS-Approach sta from Kirtland at 1000' alt. Seaplanes landing at NAS, Seattle, approach over Lake Washington from N or S under 200'. Rnwy 14-32 and wind direction indicator lgtd from sunset to sunrise. Rnwy 14R used as taxiway for large multi-engine acft. (6-26)
SEATTLE-TACOMA ARPT (SEATTLE) RADIO: ILS emits localizer signals on 110.3 mcs, boundary and outer marker signals on 75 mcs cont. These signals may at times be spurious and are not to be relied upon for any purpose. (10-8) Equip on fld days. Const approx 20' N of N end NW/SE rnwy. (8-22)
••SKY RANCH (WALLA-WALLA)-Will hereafter be carried under College Place. (8-18) See page 4.
SPOKANE AAF-Use rnwys only. (4-25)
••SPRAGUE ARPT-New fld. Lat 47-18-30 long. 117-58-00. (9-14) See page 4 Use N side and 1050' W end of strip, bul rocky and soft. Cattle on fld. (9-14)
STEVENSON-RADIO: About Dec 5, MH fac, rcvg watches and voice fac will be discont. (11-18)
SULLIVAN LAKE ARPT (METALINE FALLS)-2' grass and weeds. (7-1)
TOLEDO INT, SITE 63B, SF-SA-Use strips only-sodded portions soft. (11-18)
WALLA WALLA-RADIO: About Nov 29, VHF voice fac will be comm at communication stn. Will transmit on and guard 116.1 mcs cont. Stn class: SBMRLZ-VDT
••WALLA WALLA AAF-Twr 2 mi SSW, red flash lgt aton. Twr 6 mi WSW, red flash lgt atOpn. (11-15). CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG-NO FACS. All blinker lgts on mtns E of fld inop. Twr, bndry lgts inop.(11-15)
WESTPORT ARPT-Driftwood on fld after extremely high tides. (7-21)
WHIDBEY ISLAND NAS-AULT FLD (WHIDBEY ISLAND)-Bcn opers on IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. (9-11)
WILBUR AIRPORT-Center 200' strip avail. Equip on fld. (8-8)
YAKIMA-RADIO: Multiples all courses.
YAKIMA CO ARPT (YAKIMA)-RADIO: About Dec 2, twr voice and rcvg facs will be shut down (const), concurrently traffic controlled by lgt signals only.
FLD: Use rnwys, taxiways only-graded areas soft, rough. (11-18)

WEST INDIES

TRINIDAD-Carlsen Field-Endinburgh (North)-Rnwy closed to all Navy traffic except in emerg. Use Xeres (South) rnwy.

WEST VIRGINIA

ELKINS AIRPORT-Contact Elkins Radio or circle fld before landing. (7-16)
LOUIS BENNETT AIRPORT (WESTON)-Soft spots after continuous heavy rains.(6-4)
PAYNESVILLE-RADIO: Priv H fac operated by PCA 0600 to 2300, use with caution
SCOTT FIELD (BECKLEY)-Use right hand traffic pattern. (5-7)

WISCONSIN

CHAPLIN'S ARPT (PLYMOUTH)-NE/SW, NW/SE strips under const. (10-21)
CLINTONVILLE ARPT-Use strips only. (6-7)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed acts. (9-26)
EAU CLAIRE MUN. ARPT-Use rnwys only. Shoulders rough and soft pending completion of grading opers in spring 1947. (11-18)
GENERAL MITCHELL FLD (MILWAUKEE)-Equip. on fld days. Right turn procedure rstd to lcly based acft. All acft land acrdg to tetrahedron unless otherwise instrd by twr. All pilots must register in Admin Bldg upon arvl and dptr. Taxi strip S end fld connecting N/S, NW/SE rnwys closed. Excavated area 40' N of middle and E end E/W rnwy and junction NE/SW, NW/SE rnwys. Ditch digging 40' S of SE end NW/SE rnwy. Position lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. (11-15)
GIBBOW AIRPORT (OMRO)-Use strips only. (6-7)
**JANESVILLE ARPT-Name changed to Janesville City Arpt. (8-21) See page 33.
KENOSHA AIRPORT-Only N bank floodlgts avail. on req. (6-10)
LA CROSSE ARPT-Use rnwys only. (9-24)
LA CROSSE INT, SITE 23A, CO-TWIN CITIES-Snow fence erected 50' W of E bndry entire length of fld. E bndry lgts moved in to snow fence. (11-8)
MOREY AIRPORT (MADISON)-Equip. on fld-portions under const. marked. (4-28)
PLATTE AIRPORT (PLATTEVILLE)-CLOSED (Const). (6-12)
RICE LAKE AIRPORT-Uncompleted portion NE/SW strip rough. (5-22)
RICHLAND CENTER ARPT-Equip on fld. (8-10)
SHAWANO ARPT-Use rnwys only. E/W strip under const. (10-8)
SKY HAVEN AIRPORT (MILWAUKEE)-S 1/3 portion N/S strip unusable (washouts). (6-5)
**SMITH LAKE SEAPLANE ANCHORAGE (DRUMMOND)-New base. Lat 46-19-30 long. 91-27-45 (10-29) See page 144.
SOLON SPRINGS ARPT-Const-unusable. (10-29)
STEVENS POINT AIRPORT-Use rnwys only. (8-9)
**SWEET LAKE SEAPLANE ANCHORAGE (DRUMMOND)-New base. Lat 46-19-45 long 91-27-00 (10-29) See page 144.
TAYLOR CO. ARPT (MEDFORD)-Avail. in emerg only. Very rough. Maintained for small acft only. (6-6)
TOMAH AIRPORT-N/S strip under const. (7-9)
TRUAX FLD (MADISON)-Army temp inactive-civil. facs. Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough. (11-5)
VETERANS FLD (MENOMONIE)-Rough. (3-28)
WATERTOWN MUN. AIRPORT-N/S strip soft-use W part of sod when wet. (4-10)
**WEST BEND ARPT-Correct name-West Bend Flying Service. Arpt (8-22) See page 33. Ban operates from dusk to dawn, fld by prior request.
WINNEBAGO COUNTY ARPT (OSHKOSH)-Use rnwys only. (8-20)

WYOMING

CASPER AAF-RADIO: Army air to ground stn. temp. inop. (11-20) FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.
CASPER CENTRAL ARPT (CASPER)-NE/SW strip under const. (8-2)
CHEYENNE ARPT-Equip on fld intmtly. (7-20)
JACKSON MUN. ARPT-Cattle on fld intmtly. (5-20)
KNIGHT INT, SITE 6, SL-OR-Soon will be decomm. Ban will remain in oper as airways ban with course lgts changed from green to red. (10-30)
SHERIDAN COUNTY AIRPORT (SHERIDAN)-N/S rnwy unsafe heavy acft. Taxi strips parallel all rnwys except N/S rnwy and terminate at ramp. Stay on pavement. Equip. on fld. (5-8)
WARDWELL FLD (CASPER)-Use rnwys, taxi strips only-bal fld rough. 30 million candle pwr ceilometer projector 1000' N of bcn. (10-30)

AERONAUTICAL CHARTS

U. S. Coast and Geodetic Survey Dates of Latest Prints

Dates in small type indicate minor changes which are not of sufficient importance to make the previous print obsolete. All charts carrying dates older than those shown in large type on this list are obsolete for use in flight.

SECTIONAL

Aberdeen	Dec. 11, 1945	May 31, 1946
Albany	July 9, 1946	
Albuquerque	Sept. 9, 1946	
Aroostook	June 26, 1946	
Austin	Aug. 11, 1946	
Beaumont	July 25, 1946	
Bellingham	Apr. 30, 1946	
Birmingham	Oct. 2, 1946	
Boise	Apr. 30, 1946	
Boston	July 2, 1946	
Burlington	June 24, 1946	
Butte	May 15, 1946	
Casper	May 20, 1946	
Charlotte	Oct. 25, 1946	
Chattanooga	Oct. 25, 1946	
Cheyenne	Aug. 30, 1945	May 24, 1946
Chicago	June 17, 1946	
Cincinnati	Oct. 25, 1946	
Cleveland	June 24, 1946	
Corpus Christi	Aug. 6, 1946	
Dallas	Sept. 23, 1946	
Del Rio	Jan. 22, 1946	July 23, 1946
Denver	Sept. 17, 1946	
Des Moines	June 12, 1946	
Detroit	July 11, 1946	
Douglas	July 27, 1946	
Dubuque	Oct. 2, 1945	June 18, 1946
Duluth	Jan. 8, 1946	June 6, 1946
Elko	May 4, 1946	
El Paso	July 25, 1946	
Fargo	May 29, 1946	
Glacier Park	Apr. 26, 1945	May 7, 1946
Grand Canyon	Feb. 19, 1946	Sept. 16, 1946
Grand Junction	Feb. 19, 1946	Sept. 13, 1946
Green Bay	June 12, 1946	
Huntington	Oct. 9, 1946	
Jacksonville	Aug. 11, 1946	
Kansas City	Sept. 27, 1946	
Klamath Falls	Apr. 30, 1946	
Kootenai	Apr. 19, 1945	April 16, 1946
La Grande	May 3, 1945	May 9, 1946
Lake Huron	June 25, 1946	
Lake Superior	June 13, 1946	
Lake of Woods	May 24, 1946	
Lewiston	July 2, 1946	
Lincoln	June 6, 1946	
Little Rock	Sept. 27, 1946	
Los Angeles	Aug. 12, 1946	
Miami	Aug. 8, 1946	
Miles City	May 13, 1946	
Milwaukee	June 16, 1946	
Minot	June 6, 1946	
Mobile	Aug. 6, 1946	
Mt. Shasta	May 3, 1945	May 3, 1946
Mt. Whitney	Aug. 27, 1946	
Nashville	Oct. 13, 1946	
New Orleans	Aug. 6, 1946	
New York	July 2, 1946	
Norfolk	Apr. 16, 1946	
Oklahoma City	Mar. 19, 1946	
Orlando	Aug. 6, 1946	
Phoenix	Aug. 21, 1946	
Pocatello	May 27, 1946	
Portland	Apr. 30, 1946	
Prescott	Mar. 5, 1946	Sept. 9, 1946
Rapid City	May 3, 1945	May 17, 1946
Reno	May 17, 1945	Aug. 26, 1946
Roswell	Mar. 5, 1946	
Sacramento	Sept. 9, 1946	
Salina	Sept. 26, 1946	
Salt Lake City	Aug. 30, 1945	May 17, 1946
San Antonio	July 30, 1946	
San Diego	Aug. 27, 1946	
San Francisco	Aug. 10, 1946	
Savannah	Oct. 25, 1946	
Seattle	Apr. 30, 1946	
Shreveport	Mar. 19, 1946	
Sioux City	May 31, 1946	
Spokane	May 10, 1946	
Trinidad	Sept. 16, 1946	
Tulsa	Sept. 27, 1946	
Twin Cities	May 31, 1946	
Washington, D.C.	Oct. 22, 1946	
Wichita	Mar. 5, 1946	Sept. 16, 1946
Williston	May 3, 1945	May 9, 1946
Winston-Salem	Oct. 2, 1946	
Yellowstone Park	Oct. 30, 1945	May 13, 1946

WORLD AERONAUTICAL - UNITED STATES

WAC 215	May 9, 1946	WAC 266	May 29, 1946	WAC 309	July 13, 1946	WAC 364	Aug. 11, 1946	WAC 467	Aug. 6, 1946
WAC 216	May 17, 1946	WAC 267	May 24, 1946	WAC 310	Aug. 6, 1946	WAC 404	Aug. 26, 1946	WAC 468	July 30, 1946
WAC 217	June 4, 1946	WAC 268	June 12, 1946	WAC 357	Apr. 30, 1946	WAC 405	Aug. 28, 1946	WAC 469	July 25, 1946
WAC 218	June 17, 1946	WAC 269	May 10, 1946	WAC 358	Oct. 2, 1946	WAC 406	Sept. 13, 1946	WAC 470	July 17, 1946
WAC 219	June 13, 1946	WAC 304	May 29, 1946	WAC 359	Apr. 16, 1946	WAC 407	Apr. 2, 1946	WAC 471	July 15, 1946
WAC 262	June 26, 1946	WAC 305	May 13, 1946	WAC 360	Sept. 23, 1946	WAC 408	Apr. 2, 1946	WAC 522	July 29, 1946
WAC 263	June 18, 1946	WAC 306	May 29, 1946	WAC 361	Sept. 11, 1946	WAC 409	Apr. 16, 1946	WAC 525	Aug. 8, 1946
WAC 264	July 10, 1946	WAC 307	June 6, 1946	WAC 362	Aug. 29, 1946	WAC 410	Apr. 16, 1946		
WAC 265	June 12, 1946	WAC 308	June 12, 1946	WAC 363	Aug. 11, 1946	WAC 466	Aug. 10, 1946		

RADIO DIRECTION FINDING

21-DF	July 8, 1946	23-DF	Sept. 6, 1946	25-DF	Apr. 2, 1946
22-DF	July 22, 1946	24-DF	May 14, 1946	26-DF	May 19, 1946

LOCAL

New York & Vicinity	Aug. 6, 1946	Miami	July 3, 1946
San Diego	Aug. 20, 1946	Brownsville	July 8, 1946
		Los Angeles	Sept. 13, 1946

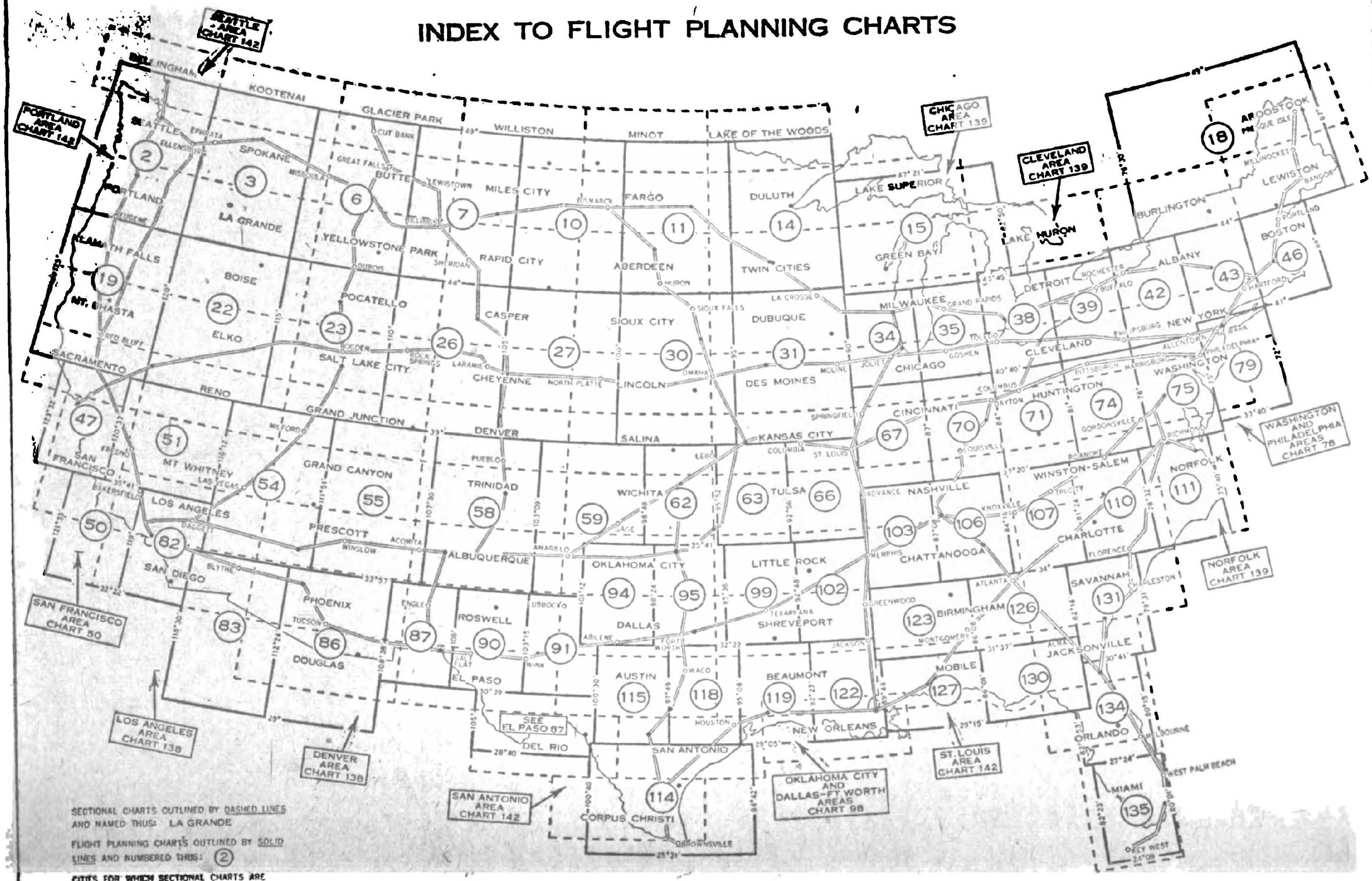
WORLD AERONAUTICAL - ALASKA

WAC 62	Feb. 1946	WAC 77	Oct. 1944	WAC 118	July 1946	WAC 136	May 1946	WAC 139	Mar. 1946	WAC 191	Apr. 1946
WAC 63	May 1946	WAC 78	Mar. 1946	WAC 119	Jan. 1946	WAC 137	Mar. 1946	WAC 186	Mar. 1946	WAC 192	Mar. 1946
WAC 64	Mar. 1946	WAC 117	Aug. 1946	WAC 135	Mar. 1946	WAC 138	May 1946	WAC 190	Apr. 1946	WAC 193	Mar. 1946
WAC 76	May 1946										

FLIGHT

FC 1	Mar. 30, 1946	FC 13	May 28, 1946	FC 177		FC 214	May 31, 1945	FC 226	Mar., 1945
FC 2	May 28, 1946	FC 14	Feb., 1945	FC 178	May 15, 1946	FC 216	May 17, 1946	FC 227	Sept. 12, 1945
FC 3	July 9, 1946	FC 15	Apr., 1945	FC 181	July 11, 1946	FC 217	Oct. 30, 1945	FC 228	Sept. 12, 1945
FC 4	July 23, 1946	FC 16	Aug. 6, 1946	FC 182	Mar. 5, 1946	FC 218	May 9, 1946	FC 229	July 9, 1946
FC 6	Oct., 1945	FC 18	June, 1943	FC 183	Apr. 2, 1946	FC 219		FC 230	July 5, 1945
FC 7	Aug. 6, 1946	FC 42	May 15, 1946	FC 184	Mar. 19, 1946	FC 220	May 31, 1945	FC 231	May 31, 1945
FC 8	Jan., 1946	FC 43	May 31, 1946	FC 185	May 31, 1946	FC 221	May 31, 1946	FC 232	May 31, 1945
FC 9	Nov., 1944	FC 173	May 24, 1946	FC 186	June 21, 1945	FC 222	May 31, 1946	FC 233	Apr. 16, 1946
FC 10	Dec., 1944	FC 174		FC 187	May 31, 1946	FC 223	May 24, 1946	FC 234	May 31, 1946
FC 11	July 9, 1946	FC 175	May 31, 1945	FC 188	Aug. 19, 1946	FC 224	May 31, 1945		
FC 12	Aug. 6, 1946	FC 176	May 31, 1945	FC 213	Aug. 19, 1946	FC 225	June 7, 1945		

INDEX TO FLIGHT PLANNING CHARTS



SECTIONAL CHARTS OUTLINED BY DASHED LINES AND NAMED THUS: LA GRANDE

FLIGHT PLANNING CHARTS OUTLINED BY SOLID LINES AND NUMBERED THUS: (2)

CITIES FOR WHICH SECTIONAL CHARTS ARE NAMED INDICATED THUS: ●

AIRMAN'S GUIDE



NOTICES TO AIRMEN
DIRECTORY OF AIRPORTS
AIR NAVIGATION RADIO AIDS

VOL. 1, NO. 19..DECEMBER 10, 1946

This issue includes all data on record as of 0001 E. S. T. on the date above. For later information consult teletype NOTAMS.

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
OFFICE OF AVIATION INFORMATION

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TABLE OF CONTENTS

AIR TRAFFIC CONTROL PROCEDURES, DIGEST OF. . . . . VIII - X

AIR NAVIGATION RADIO AIDS, LEGEND, GENERAL INFORMATION . . . . . XI - XII

AIRPORT DATA, LEGEND XIII

FLIGHT PLANNING CHARTS AND DATA PAGES . . . . . 1 - 142

DIRECTORY OF SEAPLANE BASES . . . . . 143 - 144

NOTICES TO AIRMEN 145

INDEX OF FACILITY LOCATIONS

[redacted]
Albertville (106)
Alexander City (126)
Andalusia (127)
Anniston (126)
Athens (106)
Atmore (127)
Auburn (126)
Birmingham (123)
Bradford (123)
Brewton (127)
Brookley (127)
Canoe (127)
Centre (106)*
Clanton (123)
Columbiana (123)
Courtland (103)
Craig (123)
Cullman (106)
Decatur (106)
Demopolis (123)
Dothan (130)
Edna (123)
Elberta (127)*
Elmore (123)
Enterprise (130)
Eufaula (126)
Eutaw (123)
Evergreen (127)
Foley (127)
Gadsden (106)
Gainesville (123)
Garden City (106)
Greenville (123)
Gunter (123)
Guntersville (106)*
Hartselle (106)
Headland (130)
Huntsville (106)
Hurtsboro (126)
Jasper (123)
Josephine (127)
Lillian (127)*
Luverne (123)
Maxwell (123)
Mobile (127)
Montgomery (123)
Muscle Shoals (103)
Ozark (130)
Prichard (127)
St. Elmo (127)
Scottsboro (106)
Selma (123)
Silverhill (127)
Summerdale (127)
Talladega (126)*
Troy (126)
Tuscaloosa (123)
Tuskegee (126)
[redacted]
Aguila (83)
Ajo (83)
Amado (86)
Ashfork (54)
Bisbee (86)
Bowie (86)*
Cactus (86)
Cameron (55)*
Casa Grande (86)*
Chandler (86)
Clifton (86)*
Cochise (86)
Coolidge (86)
Cottonwood (54)
Dateian (83)
Davis-Monthan (86)
Deep Lake (55)
Douglas (86)
Duncan (86)
Flagstaff (55)
Florence (86)*
Forest #2 (86)
Fort Huachuca (86)
Fredonia (54)
Gila Bend (83)
Glendale (86)
Globe (86)
Grand Canyon (54)
Hayden (86)
Hereford (86)
Hilltop (86)
Holbrook (55)
Joseph City (55)
Kingman (54)
Laguna (83)
Litchfield Park (86)
Luke (86)
McNeal #1 (86)
Marana (86)
Mesa (86)
Meteor Crater (55)
Nogales (86)
Parker (83)
Perryville (86)
Phoenix (86)
Prescott (54)
Quartzsite (83)
Redrock (86)
Safford (86)
Sahuarita (86)
St. Johns (55)
Salome (83)
Seligman (54)
Sells (86)*
Somerton (83)
Superior (86)*
Tempe (86)
Toltec (86)
Tonopah (83)
Tucson (86)
Vail (86)
Valle (54)
Wellton (83)
White River (86)*
Wickenburg (83)
Willcox (86)
Williams (54,86)
Window Rock (55)*
Winona (55)
Winslow (55)
Yucca (54)
Yuma (83)
[redacted]
Adams (102)
Alma (99)
Arkadelphia (99)
Benton (102)
Berryville (83)*
Biggers (66)*
Blytheville(66,103)
Brinkley (102)
Bruins (102)
Cabot (102)
Camden (99)
Clarksville (99)
Conway (102)
Cotton Plant (102)
Crossett (102)
Desha (66)
De Witt (102)
Elaine (102)
El Dorado (99,102)
Fayetteville (63)
Flippin (66)
Forrest City (102)
Fort Smith (99)
Harrison (63)
Helena (102)
Hope (99)
Hot Springs (99)
Hughes (102)
Joiner (102)
Jonesboro (66)
Little Rock (102)
Luzora (103)
McGehee (102)
Magnolia (99)
Malvern (99)
Manila (66)
Mena (99)
Monticello (102)
Newport (66,102)
Ola (99)*
Palmer (102)
Paris (99)
Pine Bluff (102)
Prescott (99)
Rogers (63)
Round Pond (102)
Russellville (99)
Searcy (102)
Springdale (63)
Stuttgart (102)
Texarkana (99)
Van Buren (99)
Walnut Ridge (66)
West Memphis (102)
Wynne (102)
[redacted]
Alameda (50)
Alturas (19)
Amedee (19)
Anderson (19)
Antioch (50)
Arcata (19)
Artesia (138)
Auburn (47)
Avalon (82)
Bagdad (54)
Bakersfield(50,51, 82)
Banning (82)
Barstow (82)
Bass Lake (51)
Bay Point (47)
Beckwourth (19)
Bellflower (138)
Belmont (50)
Big Bear (82)
Big Pine (51)
Bishop (51)
Blue Canyon (19)
Blythe (83)
Boron (82)
Brawley (83)
Bridgeport (51)*
Burbank (138)
Calexico (83)
Calipatria (83)
Callahan (19)
Camarillo (138)
Cambria (50)
Carmel Valley (47)
Castaic (81,137)
Castle (51)
Cedarville (19)
Chatsworth (136)
Chester (19)*
Chico (19)
Claremont (136)
Clarksburg (47)
Coalinga (51)
Colusa (19)
Compton (138)
Concord (50)
Corcoran (51)
Corning (19)
Corona (138)
Coronado (82)
Costa Mesa (138)
Cotati (47)
Covelo (19)*
Crescent City (19)
Crows Landing (47)
Culver City (138)
Daggett (82)
Davis (47)
Death Valley Jct. (51)
Delano (51)
Del Mar (82)
Delta (19)
Desert Center (83)
Donner Summit (19, 51)
Dos Palos (47)
Downey (138)
Dunsmuir (19)
El Cajon (82)
El Centro (83)
El Monte (136)
Elsinore (82)
El Toro (136)
Escondido (82)
Estrella (50)
Eureka (19)
Evergreen (47)
Fairfield (47)
Fall River Mills (19)
Farallon Island (47)
Fontana (82)
Fort Jones (19)*
Franklin (47)
Fresno (51)
Fullerton (136)
Furnace Creek (51)
Gardena (138)
Garden Grove (136)
Glendale (138)
Grass Valley (19)
Gridley (19)
Gustine (47)
Half Moon Bay (50)
Hamilton (47)
Hammer (51)
Hanford (51)
Hawthorne (136)
Hayfork (19)*
Hayward (50)
Healdsburg (47)
Hemet (82)
Hollister (47)
Holtville (83)
Huntington Beach(136)
Imperial (83)
Independence (51)
Indio (82,83)
Inyokern (82,51)
Jackson (47)*
Jacumba Hot Sprgs(83)
King City (47)
Lakeport (47)
La Habra (82)
La Mesa (82)
Lancaster (82)
Lebec (82)
Lemoore (51)
Lindsey (51)
Little River (19)
Livermore (50)
Lodi (47)
Lomita (136)
Lompoc (50)
Lone Pine (51)
Long Beach (136)
Los Alamitos (136)
Los Angeles (136)
Los Banos (47)
Lost Hills (50,51)
Lower Lake (47)
Mc Clellan (47)
Mc Cloud (19)*
Madera (51)
Manteca (47)
Manzanar (51)
March (82)
Maricopa (50)*
Mariposa (51)*
Martinez (47)
Marysville (19)
Mather (47)
Mecca (83)
Merced (51)
Mines (136)
Minter (50)
Modesto (47)
Mojave (51,82)
Monrovia (136)
Montebello (136)
Montague (19)
Monterey (47)
Morgan Hill (47)
Mountain View (50)
Mt. Laguna (82,83)
Muroc (82)
Napa (47)
National City (83)
Needles (54)
Nevada City (19)
Newark (47)
Newhall (136)
Norco (136)
Norwalk (136)
Oakland (50)
Oceanside (82)
Ojai (50)
Olancha (51)
Ontario (136)
Oroville (19)
Otay (82)
Oxnard (50)
Palisades (136)*
Palmdale (82,136)
Palo Alto (50)
Palm Springs(82,83)
Parlier (51)
Paso Robles (50)
Petaluma (47)
Placerville (47)
Point Mugu (50)
Pomona (136)
Porterville (51)
Puente (136)
Quincy (19)
Ramona (82)
Randsburg (51)*(82)*
Ravendale (19)*
Red Bluff (19)
Redding (19)
Reedley (51)*
Rialto (82)
Rice (83)
Riverside (82)
Rosamond (82)
Sacramento (47)
Salinas (47)
Salton Sea (82,83)
San Bernardino (82)
San Carlos (50)
San Clemente Isl.(82)
San Diego (82)
San Fernando (136)
San Francisco (50)
San Jacinto (82)
San Jose (50)
San Luis Obispo (50)
San Marcos (82)
San Mateo (50)
San Nicolas Isl. (82)
San Pedro (136)
San Rafael (47)
San Ramon (50)
Santa Ana (136)
Santa Barbara (50)
Santa Cruz (47)
Santa Maria (50)
Santa Monica (136)
Santa Paula (50)
Santa Rosa (47)
Santa Susana (136)
Santa Ynez (50)*
Santee (83)
San Ysidro (82)
Saticoy (50)
Sausalito (47)
Secret Valley (19)
Shafter (51)*(50)*
Silver Lake (54)
Sonora (51)
Stockton (47)
Stratford (51)
Susanville (19)
Taft (50,51)
Tehachapi (51,82)
Thermal (83)
Tracy (47,50)
Trona (51)
Truckee (19,51)
Tulare (51)
Twentynine Palms (83)
Ukiah (19)
Upper Lake (19)*
Vallejo (47)
Valley Springs (47)
Van Nuys (136)
Vernalis (50)
Victorville (82,136)
Visalia (51)
Walnut Creek (50)
Warm Springs (50)
Warner H. Springs(82)
Watsonville (47)
Weaverville (19)*
Westhaven (51)*
Westminster (136)
Whitmore (19)
Williams (19)
Willits (19)
Willows (19)
Woodlake (51)
Woodland (47)
Woodville (51)
Yermo (82)
[redacted]
Akron (27)
Alamosa (56)
Alvin (27)
Anton (27)
Arlington #4 (56)
Aurora (136)
Boulder (136)
Buckley (136)
Burlington (27)*
Canon City (56)
Colorado Springs (56)
Cortez (55)
Craig (26)
Creede (56)
Dacona (27)
Delta (55)
Denver (136)
Dove Creek (55)
Dupont (136)
Durango (56)
Eagle (26)
Englewood (136)
Estes Park (26)
Fairplay (26)*
Flagler (27)
Fort Collins (26)
Fort Morgan (27)
Fountain (56)
Franktown (136)
Glenwood Springs(26)
Granby (26)
Grand Junction (26)
Greeley (27)
Gunnison (56)
Henderson (134)
Holly (59)
Holyoke (27)
Hugo (27)
Julesburg (27)
Kit Carson (59)*
La Junta (56)
Lamar (59)
Las Animas (56)
Limon (27)
Lindon (27)
Longmont (26)
Lowry (136)
Mancos (55)*
Meeker (26)
Mesita (56)
Monte Vista (56)
Montrose (56)
Nucla (55)
Ordway (56)
Peterson (56)
Pueblo (56)
Rifle (26)
Rocky Ford (56)
Saguache (56)
Salida (56)
Silver Cliff (56)
Springfield (59)
Sterling (27)
Trinidad (56)
Walden (26)
Walsh (59)
Watkins (136)
Westcliffe (56)
Wray (27)
Yuma (27)
[redacted]
Bethany (43)
Bridgeport (43)
Bristol (43)
Brookfield (43)
Canaan (43)
Danbury (43)
E. Hartford (43)
Essex (43)
Groton (43)
Hartford (43)
Madison (43)
Meriden (43)
Monroe (43)
New Haven (43)
Plainfield (43)
Plymouth (43)
Putnam (43)
Salem (43)

(65)-Page number of chart on which these locales are inscribed. *-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

→ N.B. All Army Fields are now indexed by the field name if the field name is other than that of city in which the field is located. ←

Simsbury (43)
Somers (43)
Stonington (46)
Wallingford (43)
Waterford (43)
West Haven (43)
Windham (43)
Windsor Locks (43)

[redacted]

Bridgeville (75)
Dover (75)
Frankford (75)
Georgetown (75)
Harrington (75)
New Castle (75)
Rehoboth Beach (75)
Seaford (75)•
Wilmington (75)

[redacted]

Bolling (78)
Washington (78)

[redacted]

Alliance #4 (130)
Altoona (134)•
Apalachicola (130)
Apopka (134)
Arcadia (135)
Avon Park (134)
Banana River (134)
Barberville (134)•
Bartow (134)
Bayard (134)
Belle Glade (135)
Boca Raton (136)
Bostwick (134)
Bradenton (134)
Brooksville (134)
Bryceville (134)
Bushnell (134)
Carrabelle (130)
Cedar Keys (134)•
Chipley (130)
Clarcona (134)
Clearwater (134)
Clewiston (135)
Cpcoa (134)
Crestview (127)
Cross City (130)
Daytona Beach (134)
De Funiak Sprgs (127)
De Land (134)
Dunedin (134)
Dunnellon (134)
Eglin (127)
Ellenton (134)
Eustis (134)
Fernandina (134)
Fort George Isl.(134)
Fort Lauderdale (135)
Fort Myers (135)
Fort Pierce (134)
Gainesville (130,134)
Green Cove Sprgs(134
Haines City (134)•
Hawthorne (134)
Holley (127)
Hollywood (136)
Holt (127)
Homestead (136)
Immokalee (135)
Jacksonville (134)
Jasper (130)
Keystone Heights (134)
Key West (135)
Kissimmee (134)
Lake Butler (130)
Lake City (130,134)
Lakeland (134)
Lake Wales (134)
Lake Worth (135)
Lantana (135)
Leesburg (134)
Live Oak (130)
McDill (134)
Malabar (134)
Marathon (135)
Marianna (130)
Mayport (134)
Melbourne (134)
Miami (135)
Miami Bay Shore (135)
Middleburg (134)
Milton (127)
Minneola (134)
Molino (127)
Monticello (130)•
Morrison (135)
Naples (135)•
New Smyrna (134)
North Tampa (134)
Oakland Park (135)
Ocala (134)
Okeechobee (135)
Orange City (134)
Orlando (134)
Palatka (134)
Panama City (130)
Pensacola (127)
Perry (130)
Pinecastle (134)
Plant City (134)
Pompano (135)
Punta Gorda (135)
Quincy (130)
Richmond (135)
St. Augustine (134)
St. Petersburg (134)
Sanford (134)
Sarasota (135)
Sebastian (134)
Sebring (134)
Stock Island (135)
Stuart (135)
Switzerland (134)
Tallahassee (130)
Tampa (134)
Tennile (130)•
Titusville (134)
Tyndall (130)
Valparlso (127)
Venice (135)
Vero Beach (134)
Wauchula (134)•
West Palm Beach(135)
Williston (130,134)
Wimauma (134)•
Winter Haven (134)
Winter Park (134)
Zephyrhills (134)

[redacted]

Adel (130)
Albany (126)(130)
Alma (130)
Americus (126)
Athens (126)
Atlanta (126)
Augusta (131)
Bainbridge (130)
Bemiss #3 (130)
Brunswick (131)
Buford (107)
Butler (126)
Camilla (130)
Camp Stewart (131)
Carrollton (126)
Cartersville (106)
Cedartown (106)
Chatham (131)
Cochran (126)
Columbus (126)
Cordelle (126)
Dalton (106)
Darien (131)
Dawson (126)
Douglas (130)
Dublin (126)
East Point (126)
Elberton (107)
Fairburn (126)
Fitzgerald (126)
Folkston (131)
Gainesville (107)
Glynco (131)
Griffin (126)
Harris Neck (131)
Hinesville (131)
Homerville (130)
Jackson (126)
Jasper (106)
Jefferson (107)
Jonesboro (126)
La Grange (126)
Lake Park (130)
Lawson (126)
McRae (126)
Macon (126)
Madison (126)
Madras (126)
Marietta (126)(106)
Millen (131)
Milledgeville (126)
Montezuma (126)
Moody (130)
Moultrie (130)
Nashville (130)
Newnan (126)
Palmetto (126)
Richmond Hill (131)
Robins (126)
Rockmart (106)
Rocky Ford (130)
Rome (106)
St. Marys (131)
St. Simons Isl (131)
Savannah (131)
Siloam (126)
Smyrna (126)
Statesboro (131)
Stone Mountain (126)
Swainsboro (126)
Sylvania (131)
Tallapoosa (126)
Thomaston (126)
Thomasville (130)
Tifton (130)
Toccoa (107)
Trion (106)
Turner (130)
Valdosta (130)
Vidalia (126)
Warm Springs (126)
Warner-Robins (126)
Washington (126)
Waycross (130)
Winder (107)
Woodbury (126)

[redacted]

Aberdeen (23)
American Falls (23)
Anderson Dam (22)
Arco (23)•
Big Springs (6)•
Boise (22)
Buhl (23)•
Burley (23)
Caldwell (22)
Cascade (3)
Cayuse Creek (3)•
Challis (6)
Coeur d' Alene (3)
Dixie (3)•
Dubois (6)
Eagle (22)
Emmett (22)
Fairfield (23)
Glenns Ferry (22)
Gooding (23)
Gowen (22)
Grangeville (3)
Hagerman (23)•
Hailey (23)
Hayfield (23)
Idaho Falls (23)
Idahome (23)
Jerome (23)
Kamiah (3)
Kellogg (3)
Knox (3)•
Lake (6)
Lewiston (3)
McCall (3)
Mackay (23)•
Malad City (23)
Montpelier (23)
Mountain Home (22)
Nampa (22)
Orofino (3)
Paris (23)
Parma (22)
Payette (3)
Pocatello (23)
Preston (23)
Priest River (3)•
Red River H.Sprgs(6)
Rexburg (23)
Richfield (23)
St. Anthony (23)
St. Maries (3)
Salmon (6)
Sandpoint (3)
Shoshone (23)
Strevell (23)
Tensed (3)
Twin Falls (23)
Victor (23)•
Weiser (3)

[redacted]

Alexander (31)
Alton (142)
Arcola (67)
Armington (67)
Ashburn (34)
Aurora (139)
Beardstown (31)
Belleville (142)
Bensenville (139)
Bloomington (67)
Blue Island (139)
Blue Mound (67)
Bradford (34)
Cairo (103)
Carbondale (67)
Carmi (67)
Carthage (31)
Casey (67)
Champaign (67)
Chanute (67)
Charleston (67)
Chesterfield (31)
Chicago (139)
Chicago Heights (139)
Clinton (67)
Dalton City (67)
Danville (67)
Decatur (67)
De Kalb (34)
Des Plaines (139)
Dixon (34)
Du Quoin (67)
Earlville (34)
East St. Louis (142)
Effingham (67)
Elgin (34)
Elmhurst (139)
Fairfield (67)
Flatt (31)
Flora (67)
Franklin Park (34)
Freeport (34)
Galesburg (31)
Glenview (34)(139)
Grayslake (34)
Harvey (139)
Havana (31)
Highland (67)
Hillsboro (67)
Hinsdale (139)
Homewood (139)
Hoopeston (67)
Horace (67)
Jacksonville (31)
Jerseyville (31)
Joliet (139)
Johnsburg (34)
Kankakee (34)
La Grange (139)
Lansing (139)
La Salle (34)
Lawrenceville (67)
Lebanon (67)
Lockport (139)
Lombard (139)
Macomb (31)
Marion (67)
Mattoon (67)
Mendota (34)
Moline (31)
Momence (34)
Monmouth (31)
Morris (34)
Mt. Carmel (67)
Mt. Vernon (67)
Muddy (67)
Murphysboro (67)
Nashville (67)
Newark (34)
Northbrook (34)
Oaklawn (139)
Olney (67)
Paris (67)
Pecatonica (34)
Pekin (67)
Peoria (34)(67)
Prairie du Rocher(66)
Princeton (34)
Quincy (31)
Rantoul (67)
Roanoke (34)
Rochester (67)
Rockford (34)
St. Charles (139)
St. David (31)
St. Elmo (67)
Salem (67)
Scott (142)
Shelbyville (67)
Sheldon (34)
South Beloit (34)
Springfield (67)
Steger (34)
Sterling (34)
Stockton (34)
Streator (34)
Sycamore (34)
Taylorville (67)
Tinley Park (139)
Tuscola (67)
Urbana (67)

[redacted]

Vandalia (67)
Van Orin (34)
Warren (34)
Waukegan (34)

[redacted]

Advance (70)
Anderson (70)
Angola (35)
Atterbury (70)
Attica (67)
Auburn (35)
Baer (35)
Bargersville (70)
Bedford (70)
Bendix (35)
Bloomingdale (67)
Bloomington (70)
Bluffton (35)
Brownsburg (70)
Bunker Hill (70)
Cedar Grove (70)
Cedar Lake (34)
Chalmers (35)
Charlestown (70)
Clayton (70)
Columbus (70)
Connersville (70)
Crawfordsville (70)
Crown Point (34)
Culver (35)•
Cynthiana (67)
Danville (70)
Decatur (35)
Demotte (34)
Dyer (139)
Elkhart (35)
Elwood (70)
Evansville (67)
Fortville (70)
Fort Wayne (35)
Frankfort (70)
Franklin (70)
Freeman (70)
French Lick Sprgs (70)
Gary (139)
Goshen (35)
Greencastle (70)
Greenfield (70)
Greensburg (70)
Greenwood (70)
Hobart (139)
Huntingburg (70)
Huntington (35)
Indianapolis (70)
Jeffersonville (70)
Kentland (34)
Kingman (67)
Knox (35)
Kokomo (70)
Lafayette (70)
La Fontaine (35)
Lagoda (70)
Lake Village (34)
Lapel (70)
La Porte (35)
Lawrenceburg (70)
Lebanon (70)
Linton (67)
Liston (70)
Logansport (35)
Lowell (34)
McCool (139)
Madison (70)
Marion (70)
Martinsville (70)
Medaryville (35)
Michigan City (35)(139)
Milroy (70)
Mishawaka (35)
Monticello (35)
Mooresville (70)
Morgantown (70)
Mount Vernon (67)
Mulberry (70)
Muncie (70)
New Carlisle (35)
New Castle (70)
Noblesville (70)
North Manchester(35)
Notre Dame (35)
Oaktown (67)
Ockley (70)
Orleans (70)
Perrysville (67)
Peru (35)
Plainfield (70)
Plymouth (35)
Portland (70)
Ramsey (70)
Rensselaer (34)
Richland (67)
Richmond (70)
Rochester (35)
Rushville (70)
Salem (70)
Scottsburg (70)
Selma (70)
Seymour (70)
Shelbyville (70)
Sheridan (70)
Shoals (70)
South Bend (35)
Stout (70)
Terre Haute (67)
Valparlso (139)
Vevay (70)
Vincennes (67)
Wabash (35)
Warsaw (35)
Washington (67)
Wellsboro (35)
West Lebanon (67)
Winchester (70)
Yorktown (70)
Zionsville (70)

[redacted]

Adair (31)
Algona (31)
Anita (31)
Ames (31)
Armstrong (31)
Atlantic (30)
Audubon (30)
Bellevue (31)
Burlington (31)
California (30)
Carroll (31)
Cedar Rapids (31)
Centerville (31)
Chariton (31)
Cherokee (30)
Charinda (30)
Clarion (31)
Clermont (31)
Clinton (31)
Columbus Jct. (31)
Conrad (31)
Council Bluffs (30)
Creston (31)•
Davenport (31)
Decorah (31)
Denslon (30)
Des Moines (31)
Dows (31)
Dubuque (31)
Dunlap (30)
Dyersville (31)
Earlham (31)
Eldora (31)
Elkader (31)
Emmetsburg (31)
Estherville (31)
Fiscus (30)
Floyd (31)
Fort Dodge (31)
Garner (31)
Glenwood (30)
Grimes (31)
Grinnell (31)
Grand Mound (31)
Grundy Center (31)
Guthrie Center (31)
Hancock (30)
Harlan (30)
Ida Grove (30)
Independence (31)
Iowa City (31)
Iowa Falls (31)
Jefferson (31)
Keokuk (31)
Lake City (31)
Lamoni (31)
Le Mars (30)
Leon (31)
Lone Tree (31)
Lucas (31)
Manning (30)
Marshalltown (31)
Mason City (31)
Mechanicsville (31)
Melbourne (31)
Milford (30)
Missouri Valley (30)
Moneta (30)
Monroe (31)
Montezuma (31)
Mt. Airy (31)
Mt. Pleasant (31)
Muscatine (31)
Newton (31)
Ocheydean (30)
Onawa (30)
Oskaloosa (31)
Ottumwa (31)
Pella (31)
Perry (31)
Pocahontas (31)
Randolph (30)•
Red Oak (30)
Riceville (31)
Rock Rapids (30)
Sac City (31)
Seymour (31)
Sheldon (30)
Shenandoah (30)
Sioux City (30)
Sloan (30)
Spencer (20)
Spirit Lake (30)
Storm Lake (30)
Strawberry Point(31)
Stuart (31)
Sutherland (30)
Traer (31)
Washington (31)
Waterloo (31)
Webster City (31)
Wesley (31)
Winterset (31)

[redacted]

Abilene (62)
Anthony (62)
Arkansas City (62)
Ashland (66)
Atchison (30)
Atwood (27)
Augusta (62)
Belleville (30)
Beloit (30)
Bern (30)
Brewster (27)
Caldwell (62)
Cassoday (62)
Cedar Point (62)
Chanute (63)
Clay Center (30)
Coffeyville (63)
Colby (27)
Coldwater (59)
Concordia (30)
Derby (62)
De Soto (31)
Dodge City (59)
Downs (30)
Edwardsville (31)
El Dorado (62)
Ellinwood (62)
Emporia (62)
Eureka (62)
Fairfax (31)
Ft. Leavenworth (31)
Ft. Riley (30)
Fort Scott (63)
Fredonia (63)
Garden City (59)
Gardner (63)•
Garnett (63)•
Girard (63)
Goodland (27)
Great Bend (59, 62)
Greensburg (59)
Hays (59))
Hazleton (62)
Herington (62)
Hiawatha (30)
Hoisington (62)
Holton (30)
Holyrood (62)
Hutchinson (62)
Independence (63)
Iola (63)
Johnson (59)
Kansas City (31)
Kechi (62)
Kingman (62)
Kinsley (59)
Kiowa (62)
Lakin (59)
Larkinburg (30)
Larned (59)
Lawrence (30)
Leavenworth (31)
Lebo (63)
Lenexa (63)
Lenora (27)•
Liberal (59)
Lyons (62)
McPherson (62)
Manhattan (30)
Mankato (30)
Marion (62)
Marshall (30)
Meade (59)
Medicine Lodge (62)
Morland (27)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Moundridge (62)
Newton (62)
Norton (30)
Oberlin (27)
Olathe (63)
Ottawa (63)
Oxford (62)
Paola (63)
Parsons (63)
Phillipsburg (30)
Pittsburg (63)
Plains (59)
Pratt (62)
Russell (59)
St. Francis (27)
Salina (62)
Satanta (59)
Scott City (59)
Sedan (62)
Seneca (30)
Sharon Springs (59)
Sherman (31)
Smith Center (30)
Smoky Hill (62)
Stafford (62)
Stanley (63)
Summerfield (30)
Syracuse (59)
Topeka (30,63)
Towanda (62)
Viola (62)
Wakefield (30)
Waldo (30)
Walker (59)
Wellington (62)
Wellsville (63)
Wichita (62)
Winfield (62)

[redacted]

Ashland (71)
Bowling Green (106)
Bowman (70)
Campbell (103)
Covington (70)
Danville (70)
Eastwood (70)
Fort Knox (70)
Frankfort (70)
Gleadale (70)
Godman (70)
Henderson (67)
Hopkinsville (103)
Lexington (70)
London (107)
Louisville (70)
Madisonville (67)
Mayfield (103)
Maysville (71)
Middlesboro (107)
Owensboro (67)
Paducah (103)
Paris (70)
Russell (71)
Shelbyville (70)
Shepherdsville (70)
Somerset (106)
Sturgis (67)
Sulphur (70)
Union (70)
Warsaw (70)

[redacted]

Alexandria (119, 122)
Arcadia (99)
Barathria (122)
Barksdale (99)
Bastrop (99)
Baton Rouge (122)
Bogalusa (122)
Camp Polk (119)
Covington (122)
Crowley (119)
Delhi (102)
De Quincy (119)•
De Ridder (119)
Dixie (99)
Donaldsonville (122)
Eunice (122)
Ferriday (122)
Gilbert (122)
Grand Isle (122)•
Hammond (122)
Hodge (119)
Houma (122)
Jennings (119)
Lafayette (122)
Lake Charles (119)
La Place (122)
Leesville (119)
Madisonville (122)
Mansfield (119)
Many (119)•
Minden (99)
Monroe (103)
Natchitoches (119)
Newellton (122)
New Iberia (122)
New Orleans (122)
New Roads (122)
North Camp Polk (119)
Oakdale (119)•
Opelousas (122)
Patterson (122)
Pollock (119)
Ruston (102)
St. Joseph (122)
Shreveport (99)
South Camp Polk (119)
Tallulah (102)
Winnfield (119)
Winnsboro (122)

[redacted]

Andover (18)•
Auburn (18)
Augusta (18)
Bangor (18)
Bar Harbor (18)
Belfast (18)
Bethel (18)
Biddeford (46)
Bowdoinham (46)
Brewer (18)
Brunswick (46)
Caribou (18)
Deblois (18)
Dexter (18)
Dow (18)
East Corinth (18)
Eastport (18)
Farmington (18)
Freeport (46)
Fryeburg (18)
Greenville (18)
Houlton (18)
Kennebunk (46)
LaGrange (18)
Lewiston (18)
Limestone (18)
Madison (18)•
Millinocket (18)
Minot (18)
Newport (18)
Norridgewock (18)
Norway (18)
Old Town (18)
Phillips (18)
Pittsfield (18)
Pittston (18)
Portland (46)
Presque Isle (18)
Princeton (18)
Rangeley (18)
Rockland (18)
Sanford (46)
Scarboro (46)
Skowhegan (18)
South Portland (46)
Turner (18)
Waterville (18)
West Buxton (46)
Winterport (18)
Yarmouth (46)

[redacted]

Aberdeen (75)
Andrews (75)
Annapolis (75)
Baltimore (75)
Beltsville (75)
Berwyn (75)
Brandywine (75)•
Camp Springs (75)
Churchville (75)
Clinton (75)
College Park (75)
Croom (75)
Cumberland (74)
Doncaster (75)
Easton (75)
Edgewood Arsenal (75)
Fort Meade (75)
Frederick (75)
Glenburnie (75)
Greenbelt (75)
Hagerstown (75)
Hyattsville (75)
Meekins Neck (75)
Ocean City (75)
Patuxent River (75)
Phillips (75)
Piney Point (75)
Pomonkey (75)
Priest Point (75)
Riverdale (75)
Rock Hall (75)
Rockville (75)
Salisbury (75)
Shady Side (75)•
Taneytown (75)
Westminster (75)
Worton (75)

[redacted]

Adams (43)
Agawam (43)
Auburn (46)
Ayer (46)
Bedford (46)
Beverly (46)
Billerica (46)
Boston (46)
Brant Rock (46)
Brockton (46)
Brookfield (43)
Canton (46)
Chatham (46)
Chicopee Falls (43)
Clinton (46)
Dracut (46)
East Brookfield (43)
Easton (46)
Edgartown (46)
Essex (46)
Everett (46)
Falmouth (46)
Fitchburg (46)
Franklin (46)
Gardner (43)
Great Barrington (43)
Groton (46)
Haverhill (46)
Hyannis (46)
Lawrence (46)
Leicester (46)
Mansfield (46)
Marlboro (46)
Mendon (46)
Montague (43)
Myricks (46)
Nantucket Island (46)
New Bedford (46)
Newburyport (46)
Norfolk (46)
North Adams (43)
Northampton (43)
North Attleboro (46)
North Brookfield (43)
North Grafton (46)
Norwood (46)
Oak Bluffs (46)
Orange (43)
Orleans (46)
Palmer (43)
Peabody (46)
Pittsfield (43)
Plymouth (46)
Revere (46)
Seekonk (46)
South Boston (46)
Southbridge (43)
South Easton (46)
South Weymouth (46)
Spencer (46)
Springfield (43)
Squantum (46)
Taunton (46)
Vineyard Haven (46)
Wareham (46)•
West Barnstable (46)
Westboro (46)
Westfield (43)
Westover (43)
West Springfield (43)
Williamstown (43)
Worcester (46)

[redacted]

Adrian (36)
Allegan (35)
Alma (35)
Alpena (15)
Amasa (15)•
Ann Arbor (38)
Armada (38)
Atlanta (15)
AuGres (15)•
Baldwin (15)•
Bangor (35)
Battle Creek (35)
Bay City (38)
Belding (35)
Bellaire (15)•
Benton Harbor (35)
Big Beaver (38)
Big Lake (15)•
Big Rapids (35)
Birmingham (38)
Blaney (15)
Breedsville (35)
Cadillac (15)
Calumet (15)
Caro (38)
Centerville (35)•
Charlevoix (15)
Charlotte (35)
Clare (15)•
Clio (38)
Coldwater (36)
Croswell (38)
Crystal Falls (15)
Davison (38)
Detroit (38)
Douglas (35)
Dowagiac (35)
East Jordan (15)•
Eaton Rapids (35)
Elsie (35)
Escanaba (15)
Farmington (38)
Flat Rock (38)
Flint (38)
Flushing (38)
Fostoria (38)
Frankfort (15)
Fraser (38)
Galesburg (35)
Gaylord (15)
Gladwin (15)
Grand Ledge (35)
Grand Rapids (35)
Grayling (15)
Greenville (35)
Harbor Beach (15)•
Harrison (15)•
Hartford (35)
Hastings (35)
Hillman (15)
Hillsdale (35)
Holland (35)
Houghton (15)
Houghton Heights (15)
Howell (38)
Indian River (15)•
Ionia (35)
Iron Mountain (15)
Ironwood (14)
Ishpeming (15)•
Ithaca (35)
Jackson (35)
Kalamazoo (35)
Kalkaska (15)•
Kinross (15)
Lakeview (35)
Lansing (35)
Lapeer (38)
Lawton (35)
Loretto (15)•
Ludington (15)
Mackinaw City (15)•
Manistee (15)
Manistique (15)•
Marenisco (15)•
Marquette (15)
Marshall (35)
Mason (35)
Menominee (15)
Midland (35)
Milan (38)
Mio (15)•
Mt. Clemens (38)
Mt. Pleasant (35)
Munising (15)•
Muskegon (36)
Newaygo (35)
Newberry (15)•
Newport (38)
Niles (35)
Norway (15)
Onaway (15)•
Oscoda (15)
Owosso (35)
Pellston (15)
Petoskey (15)•
Plymouth (38)
Pontiac (38)
Port Huron (38)
Prudenville (15)•
Raco (15)
Rexton (15)•
Rogers City (15)
Romulus (38)
Roscommon (15)•
Roseville (38)
Rothbury (35)
Saginaw (35,38)
St. Helen (15)
St. Ignace (15)
St. James (15)•
Saline (38)
Sault Ste. Marie (15)
Selfridge (38)
Sidnaw (15)•
South Branch (15)
South Haven (35)
Sparta (35)
Sturgis (35)
Tecumseh (38)
Three Rivers (35)
Traverse City (15)
Utica (38)
Warren (38)
Watersmeet (15)•
Wayne (38)
West Branch (15)
White Cloud (35)•
Whitmore Lake (38)
Wildwood (15)
Wixom (38)
Wyandotte (38)
Ypsilanti (38)

[redacted]

Aitkin (14)
Albert Lea (31)
Alexandria (11)
Amboy (31)
Anoka (14)
Appleton (11)
Austin (31)
Barnesville (11)
Baudette (14)
Bemidji (14)
Benson (11)
Blue Earth (31)
Brainerd (14)
Camp Ripley (14)
Cokato (14)
Coleraine (14)
Crookston (11)
Detroit Lakes (11)
Dodge Center (14)
Duluth (14)
Ely (14)
Fairmont (31)
Faribault (14)
Fergus Falls (11)
Frontenac (14)
Graceville (11)
Grand Rapids (14)
Hamel (14)
Hastings (14)
Hector (14)
Hibbing (14)
Jordan (14)
Kenyon (14)
Lake City (14)
Le Sueur (14)
Little Falls (14)
Littlefork (14)
Litchfield (14)
Luverne (30)
Madison (11)
Mankato (14)
Marshall (11)
Mayer (14)•
Minneapolis (14)
Montevideo (11)
Monticello (14)
Morris (11)
New Brighton (14)
Nisswa (14)
New Ulm (14)
Ortonville (11)
Osseo (14)
Owatonna (14)
Park Rapids (11)
Pipestone (30)
Princeton (14)
Redwood Falls (11)
Robbinsdale (14)
Rochester (31)
St. Cloud (14)
St. Paul (14)
St. Peter (14)
Sherburn (31)
South St. Paul (14)
Stanton (14)
Taylor Falls (14)
Thief River Falls (11)
Tofte (14)
Triumph (31)
Virginia (14)
Wadena (11)
Waseca (14)
Westbrook (11)
White Bear Lake (14)
Willmar (11)
Winona (14)
Worthington (30)

[redacted]

Aberdeen (123)
Batesville (102)
Biloxi (127)
Brookhaven (122)
Canton (102)•
Clarksdale (102)
Cleveland (102)
Columbus (123)
Corinth (103)
Ellisville (127)•
Eupora (123)
Flora (102)
Florence (122)
Forest (123)
Glen Allan (102)
Greenville (102)
Greenwood (102)
Grenada (123)
Gulfport (127)
Hattiesburg (127)
Heads (102)•
Houston (123)
Jackson (122,102)
Keesler (127)
Laurel (123)
Leland (102)
Louisville (123)
McComb (122)
McLaurin (127)
Marks (102)
Meridian (123)
Moorhead (102)
Natchez (122)
Nesbitt (102)
Newton (123)•
Oxford (103)
Pascagoula (127)
Pelahatchee (123)
Picayune (127)
Rockport (122)
Starkville (123)
Tupelo (103)
Tylertown (122)
Vicksburg (102)
Wells (102)
Winona (123)
Yazoo (102)
Yokena (122)
Zeiglerville (102)

[redacted]

Advance (103)
Bethany (31)
Bolivar (63)
Boonville (66)
Bowling Green (31)
Branson (63)•
Brookfield (31)
Butler (63)
Cabool (66)
Cameron (31)
Campbell (66)
Cape Girardeau (103)
Carthage (63)
Cassville (63)
Charleston (103)
Chillicothe (31)
Clinton (63)
Columbia (66)
Craig (30)
Diamond (63)
Ellisville (142)
Excelsior Spgs. (31)
Farmington (66)
Fayette (31)
Fenton (142)
Festus (66)
Fulton (66)
Gallatin (31)
Garden City (63)
Grant City (31)
Gravois Mills (66)•
Hannibal (31)
Harrisonville (63)
Houston (66)
Iberia (66)
Independence (31)
Jefferson City (66)
Joplin (63)
Kansas City (31,63)
Kennett (66)
Kirksville (31)
Kirkwood (142)
Knobnoster (63)
Lebanon (66)
Lexington (31)
Linkville (31)
Luray (31)
McBride (67)
Macheus (142)•
Malden (103)
Marceline (31)
Marshall (31)
Maryville (32)
Mexico (31)
Moberly (31)
Monett (63)
Neosho (63)
Nevada (63)
New Florence (66)
Osborn (31)
Poplar Bluff (66)
Rolla (66)
St. Charles (142)
St. Joseph (31)
St. Louis (142)
St. Peters (66)
Savannah (31)
Sedalia (63)
Sikeston (103)•
Slater (31)
Spanish Lake (66,142)
Springfield (63)
Tarkio (30)
Trenton (31)
Unionville (31)
Valley Park (142)
Versailles (66)
Vichy (66)
Warrensburg (63)
West Plains (66)
Windsor (63)

[redacted]

Alberton (6)
Baker (10)
Belt (6)
Big Timber (7)
Billings (7)
Birney (7)•
Bozeman (6)
Butte (6)
Cascade (6)
Chester (6)
Chinook (7)•
Choteau (6)
Circle (7)
Columbus (7)
Conrad (6)
Custer (7)
Cut Bank (6)
Deer Lodge (6)
Dell (6)
Denton (7)
Dillon (6)
Drummond (6)
Ennis (6)•
Eureka (3)
Flathead (6)•
Forsyth (7)
Fort Benton (6)
Fort Peck (7)
Gardiner (6)
Gates Park (6)•
Geraldine (6)
Geyser (6)
Glasgow (7)
Glendrive (10)
Great Falls (6)
Gregson (6)
Hamilton (6)
Hardin (7)•
Harlem (7)
Harlowton (7)
Havre (7)
Helena (6)
Homestake (6)
Hot Springs (6)•
Huson (6)•
Ingomar (7)•
Jordan (7)•
Kalispell (6)
Lavina (7)
Lewistown (7)
Libby (3)
Livingston (6)
McDonald Pass (6)
Malta (7)
Mildred (7)
Miles City (7)
Missoula (6)
Moore (7)
Mullan Pass (3)
Nibbe (7)
Park City (7)
Plains (6)
Plentywood (10)
Polesbridge (6)
Polson (6)
Poplar (7)•
Rapelje (7)
Red Lodge (7)•
Roundup (7)•
St. Xavier (7)

(63)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Acobey (7)
Seeley Lake (6)•
Shelby (6)
Sheridan (7)
Sidney (16)
Stanford (6)
Stevensville (6)
Superior (6)
Tampico (7)
Thompson Falls (3)
Townsend (6)
Troy (6)•
Twin Bridges (6)
Valier (6)
Vida (7)
West Yellowstone (6)
Whitehall (6)
White Sulphur Spgs. (6)
Whitetail (6)
Winston (6)
Wolf Point (7)

[redacted]

Ainsworth (30)
Alliance (27)
Atkinson (30)
Auburn (30)
Bayard (27)
Beatrice (30)
Beaver City (30)
Bejbelman (27)
Big Springs (27)
Blair (30)
Brainard (30)
Broken Bow (30)
Bruning (30)
Chadron (27)
Chappell (27)
Clay Center (30)
Columbus (30)
Cozad (30)
Crawford (27)
Crete (30)
David City (30)
Decatur (30)
Elgin (30)
Fairbury (30)
Falls City (30)
Fort Robinson (27)
Fremont (30)
Geneva (30)
Gordon (27)
Gothenburg (27)
Grand Island (30)
Harvard (30)
Hastings (30)
Hayes Center (27)
Hay Springs (27)
Hebron (30)
Holdrege (30)
Humboldt (30)
Imperial (27)
Kearney (30)
Lexington (30)
Lincoln (30)
Lorenzo (27)
McCook (27)
Mead (30)
Mitchell (27)
Norfolk (30)
North Platte (27)
Offutt (30)

Ogallala (27)
Oneola (30)
Omaha (30)
Ord (30)
Oshkosh (27)
Overton (30)
Pender (30)
Potter (27)
Rushville (27)•
Schuyler (30)
Scottsbluff (27)
Scribner (30)
Seneca (27)
Sidney (27)
Tecumseh (30)
Valentine (27)•
Wayne (30)
Weeping Water (30)
West Point (30)

[redacted]

Alamo (54)•
Austin (22,51)
Battle Mountain (22)
Boulder City (54)
Buffalo Valley (22)
Caliente (54)
Carlin (22)
Carson City (51,22)
Crystal (54)
Death (22)
Elko (22)
Ely (22)
Fallon (51,22)
Fernley (51,22)
Gabbs (51)
Genoa (51)
Goodsprings (54)
Hawthorne (51)
Humboldt (22)
Indian Springs (54)
Las Vegas (54)
Lovelock (22,51)
Manhattan (51)•
Minden (51)
Mormon Mesa (54)
Orovada (22)•
Owyhee (22)
Reno (51,22)
Scotty's (51)
Searchlight (54)•
Smith (51)
Sparks (22,51)
Tonopah (51)
Ventosa (22)
Wadsworth (22)
Wells (22)
Winnemucca (22)
Yerington (51,22)

[redacted]

Berlin (18)
Boscawen (46)
Claremont (43)
Concord (46)
Grenier (46)
Haverhill (16)
Hampton (46)
Hinsdale (43)
Hooksett (46)
Keene (43)
Lancaster (18)

Laconia (46)
Lebanon (43)
Littleton (18)
Manchester (46)
Nashua (46)
Newport (43)
North Conway (18)
Plymouth (46)
Portsmouth (46)
Sommersworth (46)
Twin Mountain (18)
Whitefield (18)
Wolfeboro (46)

[redacted]

Adamston (79)•
Almonesson (78)
Andover (79)
Ansbury Park (79)
Ashland (76)
Atlantic City (79)
Auburn (75)
Barrington (78)
Basking Ridge (79)
Belmar (79)
Belvidere (42)
Bendix (79)
Blairstown (42,79)
Boonton (79)
Bridgeport (78)
Bridgeton (75)
Burlington (78)
Caldwell (79)
Camden (78)
Cape May (79)
Caneville (79)
Chatsworth (79)•
Clarksville (79)
Clinton (79)
East Hanover (79)
Elizabeth (79)
Forked River (79)
Ft. Dix (79)
Freehold (79)
Glassboro (75)
Greenwich (75)
Hackettstown (79)
Hightstown (79)
Keyport (79)•
Lakehurst (79)
Lakewood (79)
Landisville (79)
Lebanon (79)
Lincoln Park (79)
Marlton (75)
Metuchen (79)
Millville (75)
Moorestown (75)
Morristown (79)
Newark (79)
New Brunswick (79)
North Brunswick (79)
Ocean City (79)•
Paterson (79)
Pennington (79)
Penns Grove (75)
Pitman (75)
Pittstown (75)
Princeton (79)
Rahway (79)
Readington (79)

Red Bank (79)
Richland (79)
Salem (75)
Somerville (79)
Sussex (43)
Trenton (78,79)
Vineland (75)
Wildwood (79)
Woodbine (79)
Woodbridge (79)
Wrightstown (79)

[redacted]

Acomita (56)
Alamogordo (90,87)
Albuquerque (56)
Anton Chico (56)
Artesia (90)
Aztec (55)•
Belen (56)
Berino (87)
Carlsbad (90)
Carrizozo (90)
Clayton (56)
Clovis (56)
Columbus (87)
Cubero (55)
Cuervo (56)
Deming (87)
Dora (90)
Eagle Nest (55)•
El Morro (55)
Engle (87)
Farmington (55)
Fort Sumner (56)
Gallup (55)
Hachita (87)
Harrington Ranch (87)
Hobbs (91)
Hot Springs (87)
Hurley (87)
Jal (91)
Juan Tomas (56)
Kirtland (55)
Las Cruces (87)
Las Vegas (56)
Lordsburg (86)
Lovington (90)
Magdalena (56)
Maxwell (56)•
Mesilla Park (87)
Milnesand (90)
Mountainair (55)
Mount Riley (87)
Otto (56)
Peralta (56)
Portales (56)
Raton (56)
Rodeo (86)
Roswell (90)
Roy (56)•
Ruidoso (90)
Santa Fe (56)
Shiprock (55)•
Silver City (87)
Socorro (56)
Strauss (87)
Taos (55)
Tucumcari (56)
Tularosa (87)•
Wagon Mound (56)

[redacted]

Accord (43)
Albany (43)
Amityville (79)
Angola (39)
Amsterdam (43)
Arcade (39)
Armonk (43)
Auburn (42)
Auriesville (43)
Ballston Spa (43)
Batavia (39)
Bayport (79)•
Bedford (43)•
Beekman (43)
Bethpage (79)
Billings (43)
Binghamton (42)
Blasdell (39)
Boonville (42)
Brentwood (79)•
Buffalo (39)
Cairo (43)
Canastota (42)
Carlisle (43)
Carthage (42)
Catskill (43)
Chesktowaga (39)
Cicero (42)
Clarence (39)
Clason's Point (79)
Colonie (43)
Commack (79)
Cooperstown (43)
Cortland (42)
Dansville (42)
Deer Park (79)•
Delanson (43)
Depew (39)
Dunkirk (39)
East Amherst (39)
East Greenbush (43)
East Hampton (43,79)
East Pembroke (39)
Edgemere (79)
Elizabeth (43)
Elmira (42)
Endicott (42)
Falconer (39)
Farmingdale (79)
Fisher's Island (43)
Flatbush (79)
Flushing (79)
Fort Plain (43)
Fredonia (39)
Fulton (42)
Gardenville (39)
Geneva (42)
Getsville (39)
Glens Falls (43)
Gloversville (43)
Gowanda (39)
Great Bend (18)
Greenridge (79)
Halcott Center (43)
Hamburg (39)
Hamilton (42)
Hammondsport (42)
Hancock (42)•
Hempstead (79)

Herkimer (43)
Hicksville (79)
Hilton (42)
Honeoye Falls (42)
Hornell (42)
Horseheads (42)
Idlewild (79)
Islip (79)
Ithaca (42)
Jamestown (39)
Johnstown (43)
Keene (18)•
Keeseville (18)
Kingston (43)
Kirkville (42)
Lake Placid (18)
Lancaster (39)
Livingston Manor (43)
Lockport (39)
Malone (18)
Margaretville (43)
Massapequa (79)
Massena (18)
Mastic (79)
Mattituck (43,79)
Medina (39)
Medway (43)
Mexico (42)
Middleburg (43)
Middletown (43)
Millerton (43)
Minoola (79)
Minoa (42)
Mitchel (79)
Montgomery (43)
Montiesllo (43)
Montour Falls (42)
Moravia (43)
Narrowsburg (43)
Newark (42)
New Baltimore (43)
Newburgh (43)
New City (43)
New Hackensack (43)
New Paltz (43)
New Springville (79)
New York (79)
Niagara Falls (39)
North Tonawanda (39)
Northville (43)
Norwich (42)
Nyack (43)
Ogdensburg (18)
Olcott (39)
Olean (39)
Oneonta (42)
Owasco (42)•
Painted Post (42)
Palmyra (42)•
Peekskill (43)
Penn Yan (42)
Perry (39)
Piseco (43)
Pittsford (42)
Plattsburg (18)
Port Chester (79)
Port Jervis (43)
Potsdam (18)
Poughkeepsie (43)
Pulaski (42)
Ravena (43)

Red Creek (43)
Rexford (43)
Rhinebeck (43)
Richland (42)
Richmondville (42)
Ripley (39)
Rochester (42)
Rockaway Park (79)
Rome (42)
Rushville (42)
Salamanca (39)
Saranac Lake (18)
Saratoga Springs (43)
Sayville (79)•
Schenectady (43)
Schuylerville (43)
Scottsville (42)
Selkirk (43)
Seneca Falls (42)
Sidney (42)
Silver Creek (39)
Silver Springs (39)
Somers (43)
Springville (39)
Stewart (43)
Stormville (43)
Syracuse (42)
Ticonderoga (43)
Tonawanda (39)
Travis (79)•
Troy (43)
Tupper Lake (18)•
Utica (42)
Valley Stream (79)
Walden (43)
Wallkill (43)
Wappingers Falls (43)
Warwick (43)
Watertown (42)(18)•
Wellsville (42)
Westfield (39)•
Westhampton Beach (43,79)
Westport (18)
White Plains (43)
Whitesville (42)
Williamsville (39)
Wingdale (43)
Wolcottsville (39)
Wurtsboro (43)

[redacted]

Aberdeen (110)
Albermarle (110)
Asheboro (110)
Asheville (107)
Atlantic (111)
Aydlette (111)
Balloon (110)
Barco (111)
Beaufort (111)
Belmont (110)
Black Mountain (107)
Bogue (111)
Burgaw (111)
Burlington (110)
Candor (110)•
Carolina Beach (111)
Chapel Hill (110)
Charlotte (110)
Cherry Point (111)
Clinton (111)

Concord (110)
Derita (110)
Draper (110)
Durham (110)
Eagle Springs (110)
Edenton (111)
Elizabeth City (111)
Elkin (110)
Erwin (110)
Fayetteville (110)
Fort Bragg (110)
Franklin (107)
Gastonia (110)
Gibsonville (110)
Goldsboro (111)
Greensboro (110)
Greenville (111)
Henderson (111)
Hendersonville (107)
Hickory (110)
High Point (110)
Hoffman (110)
Jacksonville (111)•
Jonesville (110)
Julian (110)
Kannapolis (110)
Kings Mountain (110)
Kinston (111)
Laurinburg (110)
Lexington (110)
Lillington (110)
Lincolnton (110)
Louisburg (111)
Lumberton (110)
Manteo (111)
Marion (107)
Maxton (110)
Mayodan (110)
Mocksville (110)
Monroe (110)
Morganton (107)
Mt. Airy (110)
Mt. Olive (111)
New Bern (111)
New River (111)
Newton (110)
North Wilkesboro (110)
Oxford (110)
Pinehurst (110)
Pollocksville (111)
Pope (110)
Raeford (110)
Raleigh (110)
Red Springs (110)
Reidsville (110)
Roanoke Rapids (111)
Rockingham (110)
Rocky Mount (111)
Roxboro (110)
Salisbury (110)
Sanford (110)
Selma (111)
Seymour Johnson (111)
Shelby (107)
Siler City (110)
Southern Pines (110)
South Mills (111)
Spindale (107)
Statesville (110)
Sylva (107)
Tarboro (111)
Thomasville (110)
Wilmington (110)

Wallace (111)
Warrenton (111)
Washington (111)
Weeksville (111)
West Jefferson (107)
Whiteville (110)
Wilmington (111)
Wilson (111)
Winston-Salem (110)
Yanceyville (110)
Zebulon (111)

[redacted]

Abercrombie (11)
Ashley (11)
Beach (10)
Bismarck (10)
Bowman (10)
Cando (11)
Carrington (11)
Crosby (10)
Dawson (11)
Devils Lake (11)
Dickinson (10)
Driscoll (10)
Dunseith (10)•
Fargo (11)
Fessenden (11)
Glen Ullin (10)
Golva (10)
Grand Forks (11)
Harvey (11)
Hettinger (10)
Jamestown (11)
Judson (10)
Killdeer (10)
Langdon (11)
Lisbon (11)
Minot (10)
Mohall (10)
Mott (10)
New England (10)
New Rockford (11)
Parshall (10)
Pembina (11)
Portal (10)
Rhame (10)
Rolla (11)
Rugby (10)
Towner (10)
Valley City (11)
Wahpeton (11)
Washburn (10)
Watford (10)
West Fargo (11)
Wheatland (11)
Williston (10)
Wyndmere (11)

[redacted]

Akron (38)
Alliance (38)
Amanda (71)•
Archbold (35)
Ashland (38)
Ashtabula (39)
Athens (71)
Avon Lake (38)
Barberton (38)
Bedford (139)
Bowling Green (38)
Brecksville (38)

Brookfield (39)
Bryan (35)
Bucyrus (36)
Cambridge (71)
Canton (38)
Chagrin Falls (139)
Chardon (139)
Cherry Fork (71)
Chesapeake (71)
Chillicothe (71)
Cincinnati (70)
Cleveland (139)
Clinton County (71)
Coldwater (70)
Columbus (71)
Conneaut (39)
Crooksville (71)
Dayton (70)
Defiance (35)
E. Liverpool (39)
Elyria (139)
Fairfield (70)
Findlay (36)
Fremont (38)
Fostoria (36)
Gallon (36)
Gallipolis (71)•
Greenford (39)
Greenville (70)
Grove City (71)
Hamilton (70)
Harrison (70)•
Hayesville (38)
Hicksville (35)
Hilliard (71)
Homerville (36)
Hooker (71)
Hudson (139)
Jackson (71)
Johnsville (70)
Kellys Island (36)•
Kent (38)
Kenton (71)
Lancaster (71)
Lebanon (70)•
LeRoy (38)
Lewisburg (70)
Lewistown (71)
Lima (35)
Lockbourne (71)
Lorain (139)
Loveland (70)
Lunken (70)
Magnolia (71)
Mansfield (38)
Marietta (71)
Marion (71)
Mason (70)
Massillon (38)
Medina (38)
Middletown (70)
Minford (71)
Montezuma (70)
Morrow (70)•
Mt. Liberty (71)
Mt. Orab (71)
Mt. Vernon (71)
Nevada (38)
Newark (71)
New Holland (71)
New Paris (70)
New Philadelphia (71)

(38)-Page number of chart on which these locales are inscribed. --Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

North Benton (38)
Northfield (139)
North Royalton (38)
Norwalk (38)
Oxford (70)
Patterson (70)
Paulding (38)
Perry (38)
Piqua (70)
Port Clinton (38)
Portsmouth (71)
Put-in-Bay (38)
Reynoldsburg (71)
Rushsylvania (71)•
Sandusky (38)
Sharonville (70)
Sidney (70)
Solon (139)
Springfield (71)
Summit Station (71)
Tiffin (38)
Tiltonsville (74)•
Toledo (38)
Toronto (74)
Troy (70)
Urbana (71)
Vandalia (70)•
Van Wert (35)
Vermilion (139)
Veroona (70)
Wahaxman (139)
Warren (39)
Washington (71)
Watertown (71)
Wauseon (35)
Wellington (38)
Willard (38)
Williamsfield (39)
Willoughby (139)
Wilmington (71)
Woodsfield (71)•
Wooster (38)
Wright (70)
Youngstown (39)
Zalaski (71)•
Zanesville (71)
Wapakoneta (70)

Ada (96)
Afton (63)
Altus (94)
Anadarko (96)
Antlers (95)
Alva (62)
Ardmore (95)
Atoka (95)
Bartlesville (62)
Blackwell (62)
Boise City (59)
Buffalo (59)
Calumet (98)
Carnegie (94)
Cherokee (62)
Cheyenne (94)
Chickasha (98)
Claremore (63)
Clinton (94)
Cordell (94)
Cushing (62)
Delhi (94)
Dill (64)
Duncan (95)
Durant (95)
Edmond (62)
Elk City (94)
El Reno (98)
Enid (62)
Erick (94)
Fort Cobb (98)
Frederick (94)
Gage (59)
Geary (98)
Grandfield (94)
Great Salt Plains (62)
Guthrie (62)
Guymon (59)
Heavener (99)•
Hinton (98)
Hobart (94)
Holdenville (96)
Hollis (94)
Hugo (99)
Idabel (99)
Jefferson (62)
Jet (62)
Kingfisher (62)
Lamont (62)
Langston (62)
Lawton (94,96)
Lexington (98)
McAlester (96)
Mangum (94)
Marietta (96)
Marlow (96)
Miami (63)
Moore (98)
Moseley (63)
Muskogee (99,63)
Nashoba (99)•
Newalla (95)
Newkirk (62)
Norman (98)
Nowata (63)
Oklahoma City (96)
Okmulgee (96)
Pauls Valley (95)
Pawhuska (62)
Perry (62)
Picher (63)
Ponca City (62)
Post (95)
Poteau (99)•
Pryor (63)
Red Fork (62)
Roosevelt (94)
Sapulpa (62)
Sayre (94)
Seminole (95)
Sentinel (94)
Shawnee (95)
Skiatook (62)
South Coffeyville (63)
Stillwater (62)
Stilwell (63)
Stroud (62)
Swain (95)
Tahlequah (63)
Thomas (62)
Tinker (98)
Tishomingo (96)•
Tonkawa (62)
Tulsa (62,63)
Verdigris River (63)
Vinita (63)
Walters (95)
Washington (95)
Watonga (62)
Weatherford (94)
Wetumka (95)
Wewoka (95)
Woodward (59)
Yukon (98)

Albany (2)
Alkali (22)
Arlington (2)
Astoria (2)
Aurora (142)
Baker (3)
Bay Ocean (2)
Beaver Marsh (19)
Beaverton (142)
Bend (2)
Boardman (3)
Brooks (2)
Burns (22)
Cabbage Hill (3)
Canby (142)
Cave Junction (19)•
Corvallis (2)
Cottage Grove (19)
Cow Creek (19)
Creswell (19)
Dallas (2)
Denmark (19)
Eagle Point (19)
Elgin (3)•
Enterprise (3)
Eugene (2)
Grants Pass (19)
Gresham (142)
Harrisburg (2)
Hermiston (3)
Hillsboro (142)
Hood River (2)
Idanha (2)•
Joseph (3)
Klamath Falls (19)
La Grande (3)
Lakeside (19)
Lakeview (19)
Lebanon (2)
Lexington (3)
McMinnville (2)
Madras (2)
Medford (19)
Milton (3)
Monmouth (2)
Mulino (142)
Myrtle (19)
Newberg (142)
Newport (2)
North Bend (19)
Ontario (3)
Oregon City (142)
Pendleton (3)
Pilot Rock (3)
Portland (142)
Prineville (2)
Redmond (2)
Riddle (19)
Rome (22)
Roseburg (19)
Salem (2)
Scappoose (142)
Sheridan (2)
Silverton (2)
Sutherlin (19)
Sweet Home (2)
The Dalles (2)
Tillamook (2)
Trail (19)
Troutdale (142)
Vernonia (2)
Wasco (2)
Willamette (2)
Woodburn (142)
Worden (19)

Allentown (42,75)
Altoona (74)
Ambler (78)
Andreas (42)
Athens (42)
Beaver Falls (39)
Bellefonte (42)
Bloomsburg (42)
Boothwyn (75)
Bradford (39)
Bristol (78)
Brockway (39)
Brookville (39)
Buckstown (74)
Butler (39)
Canadensis (42)
Campbelltown (75)
Carlisle (75)
Cecil (74)
Chambersburg (75)
Chester (78)
Clarion (39)
Clearfield (39)
Coatesville (75)
Collegeville (78)
Conneaut Lake (39)
Connellsville (74)
Conway (39)
Corbett (42)
Corry (39)
Creason (74)
Daleville (42)
Danville (42)
Douglassville (75)
Doylestown (78)
Dubois (39)
Duncansville (74)
Easton (42,75)
Ebensburg (74)
Elysburg (42)
Erie (39)
Fogelsville (75)
Gettysburg (75)
Gordon (42)
Granville (75)
Greater Pittsburg (74)
Greensburg (74)
Greenville (39)
Grove City (39)
Hanover (75)
Harrisburg (75)
Harrison (74)
Hazleton (42)
Hershey (75)
Holmesburg (78)
Hookstown (74)
Hughesville (42)
Huntingdon (74)
Indiana (74)
Johnstown (74)
Johnsville (78)
Kearsarge (39)
Kutztown (75)
Kylertown (39)
Lake Carey (42)
Lancaster (75)
Langhorne (78)
Lansdale (78)
Latrobe (74)
Leechburg (74)
Lehighton (42)
Lewistown (75)
Linesville (39)
Lock Haven (42)
Marchand (39)
Mars (39)
Matamoras (43)
Meadville (39)
Mercer (39)
Middletown (75)
Milton (42)
Mohrsville (75)
Montgomeryville (78)
Morrisville (78,79)
Mt. Jewett (39)
Mt. Pleasant (74)
Mt. Pocono (42)
Mt. Union (75)
Myerstown (75)
New Alexandria (74)
New Castle (39)
New Hanover (75)
New Kingston (75)
Nicholson (42)•
Norristown (78)
North Springfield (39)
Oil City (39)
Olmsted (75)
Olyphant (42)•
Paoli (75)
Philadelphia (78)
Philipsburg (39)
Pine Grove (75)
Pitcairn (74)
Pittsburgh (74)
Pottstown (75)
Pottsville (75)
Punxsutawney (39)
Quakertown (78)
Reading (75)
Ridgeway (39)
Salix (74)
Sayre (42)
Scranton (42)
Selinsgrove (42)
Seven Valleys (75)
Slatington (42)
Somerset (74)
State College (42)
Stroudsburg (42)
Summerhill (74)
Sunbury (42)
Tamaqua (42)
Tarentum (74)
Towanda (42)
Tunkhannock (42)
Utahville (39)
Vandergrift (74)
Wallaceton (39)
Warren (39)
Waynesboro (75)
Waynesburg (74)
West Chester (75)
Wilkes-Barre (42)
Williamsport (42)
Willow Grove (78)
Womelsdorf (75)
York (75)
Youngsville (39)

Charlestown (46)
Greene (46)
Providence (46)
Smithfield (46)
Westerly (46)
Woonsocket (46)

Aiken (131)
Allendale (131)
Anderson (107)
Bamberg (131)
Barnwell (131)
Beaufort (131)
Bennettsville (110)
Calhoun Falls (107)
Camden (110)
Charleston (131)
Cheraw (110)
Chesnee (107)•
Chester (110)
Columbia (131)
Darlington (110)
Ellore (131)
Estill (131)
Florence (110)
Georgetown (131)
Greenville (107)
Greenwood (107)
Hartsville (110)
Kershaw (110)
Lancaster (110)
Lane (131)
Laurens (107)
Little Rock (110)•
Manning (131)
Myrtle Beach (131)
North (131)
North Augusta (131)
Orangeburg (131)
Parris Island (131)
Ridgeland (131)
Rock Hills (110)
St. Matthews (131)
Shaw (131)
Spartanburg (107)
Summerville (131)
Sumter (131)
Timmonsville (110)
Trenton (131)
Walterboro (131)
Wampee (131)

Aberdeen (11)
Belle Fourche (10)•
Britton (11)
Brookings (11)
Carthage (11)
Chamberlain (30)
Custer (27)
Dell Rapids (30)
Edgemont (27)
Elk Point (30)
Eureka (11)•
Faulkton (11)
Flandreau (11)
Gregory (30)
Hot Springs (27)
Huron (11)
Lemmon (10)
Madison (11)
Martin (27)
Milbank (11)
Miller (11)
Mitchell (30)
Mobridge (10)
Newell (10)
Philip (10)
Pierre (10)
Platte (30)
Presho (27)
Rapid City (10)
Redfield (11)•
Reliance (30)
Sioux Falls (30)
Sisseton (11)
Spearfish (10)
Stevens (30)
Vermillion (30)
Wagner (30)
Watertown (11)
Willow Lake (11)
Winner (30)
Yankton (30)

TENNESSEE

Chattanooga (106)
Clarksville (103)
Cookeville (106)
Cowan (106)
Crossville (106)
Cuba (103)
Dyersburg (103)
Fairview (106)
Fisherville (103)
Gallatin (106)
Graham (103)
Green Brier (106)
Humboldt (103)
Jacks Creek (103)
Jackson (103)
Kingston (106)
Knoxville (107)
Lebanon (106)
McMinnville (106)•
Manchester (106)
Martin (103)
Memphis (103)
Milan (103)
Morristown (107)
Mt. Juliet (106)
Mount Pleasant (103)
Murfreesboro (106)
Nashville (106)
Piedmont (107)
Pulaski (106)
Smithville (106)
Smyrna (106)
Tallassee (107)
Tri-City (107)
Tullahoma (106)
Union City (103)
Walterhill (106)
Whiteville (103)

TEXAS

Abernathy (91)
Abilene (94)
Adrian (59)
Alamo (114)
Albany (94)
Alice (114)
Alpine (87)
Amarillo (59)
Anahuac (119)
Anson (94)
Aragon #5 (87)
Arcola (118)
Arlie (94)
Arlington (98)
Asherton (114)
Austin (118)
Austwell (114)
Baird (94)
Ballinger (115)
Bandera (115)
Bay City (118)
Beaumont (119)
Beeville (114)
Belton (118)
Bergstrom (118)
Biggs (87)
Big Spring (91)
Bonham (95)
Borger (59)
Bowie (95)•
Brackettville (115)
Brady (115)
Breckenridge (94)
Brooks (142)
Brownfield (91)
Brownsville (114)
Brownwood (115)
Bryan (118)
Burkburnett (94)
Burnet (115)
Cameron (118)•
Camp Hood (118)
Canadian (59)
Candelaria (87)•
Canyon (59)
Carrizo Springs (114)
Carthage (119)
Castolon (87)
Castroville (115)•
Childress (94)
Cisco (94)
Clarendon (94)
Clarksville (99)
Claude (59)
Clear Springs #5 (115)
Cleburne (118,98)
Coleman (115)
College Station (118)
Comanche (115)•
Commerce (95)
Conroe (118)
Corpus Christi (114)
Corsicana (118)
Cox (99)
Crane (91)
Crystal City (114)
Cuero (114,118)
Cypress (118)
Dalhart (59)
Dallas (98)
Damon (118)
Delaware Springs (90)
Del Rio (87)
Denison (95)
Denton (95)
Denver City (91)
Dimmitt (59)
Dolores (114)•
Dryden (87)
Dublin (115)
Dumas (59)
Duncanville (98)
Eagle Pass (114)
Eastland (94)
Eden (115)
Edinburg (114)
Edna (114)
El Campo (118)
Eldorado (91)
Electra (94)
Ellington (118)
El Paso (87)
Elsa (114)
English (59)
Ennis (118)
Falfurrias (114)
Floydada (59)
Forney (95)
Fort Clark (115)
Fort Hancock (90)•
Fort McKavett (115)
Fort Stockton (91)
Fort Worth (98)
Freeport (114)
Freer (114)•
Friona (59)
Gainesville (95)
Galveston (119)
Garland (98)
Gaskin (95)
Gatesville (118)
Georgetown (118)
Gilmer (99)•
Gladewater (99)
Gonzales (118)
Goodfellow (115)
Goose Creek (119)
Gorman (115)
Grand Prairie (98)
Gregory (114)
Greenville (95)
Gruver (59)
Guadalupe Pass (90)
Hamilton (115)
Hammond (118)
Handley (98)
Harlingen (114)
Harpersville (94)
Haslet (95,98)
Hearne (118)
Henderson (119)
Hensley (98)
Hereford (59)
Hillsboro (118)
Hitchcock (119)
Hondo (115)
Houston (118,119)
Hudspeth (90)
Hueco Mountain (87)
Huntsville (118)
Idalou (91)
Iraan (91)•
Jacksonville (118)
Joshua (95)
Karnack (99)
Kaufman (98)
Kelly (142)
Kenedy (114)
Kent (90)
Kermit (91)
Kerrick (59)
Kerrville (115)
Kilgore (99)
Killeen (118)
Kingsville (114)
Kirbyville (119)•
Knox City (94)
Lamesa (91)
Lampasas (115)
Laredo (114)
Laughlin (87)
Leaday (115)
Levelland (91)
Littlefield (91)
Llano (115)
Longfellow (87)•
Longview (99)
Los Fresnos (114)
Louise (118)
Lubbock (91)
Lufkin (119)
Luling (118)
McAllen (114)
McCamey (91)
McKinney (98)
Madisonville (118)•
Magnolia Beach (114)
Marathon (87)
Marfa (87)
Marlin (118)
Marshall (99)
Martindale (142)
Mason (115)•
Matagorda Island (114)
Matagorda Peninsula (114)
Mathis (114)•
Mercedes (114)
Mexia (118)
Midland (91)
Mineola (99)
Mineral Wells (98)
Mission (114)
Monahans (91)
Mt. Pleasant (98)
Muleshoe (59)
Muenster (95)
Nacogdoches (119)
Navasota (118)
Newark (98)
New Braunfels (115,142)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Odessa (91)
Old Ocean (114)
Olney (94)
Orange (118)
Orla (90)
Ozona (91)
Paducah (94)
Palacios (114)
Palestine (118)
Pampa (94)
Pandale (87)
Paris (99)
Parker (118)
Pawnee (114)
Pecos (90)
Perrin (95)
Perryton (89)
Plainview (89)
Pleasanton (114)
Port Arthur (119)
Port Isabel (114)
Portland (114)
Port Lavaca (114)
Poteet (114)
Prairie Hill (118)
Presidio (87)•
Pyote (91)
Quanah (94)
Randolph (142)
Ranger (94)
Raymondville (114)
Red Bluff (90)
Refugio (114)
Rita Santa (91)•
Roaring Springs (91)
Rockport (114)
Rock Springs (118)•
Ryan #3 (87)
Saginaw (98)
Salt Flat (90)
San Angelo (118)
San Antonio (142)
San Benito (114)
Sanderson (87)•
San Marcos (118)
Sayers (142)
Schulenburg (118)
Seguin (115)
Seymour (94)
Sheppard Kell (94)
Sherman (98)
Sierra Blanca (90)•
Simms (99)
Sinton (114)
Smey (89)
South #1 (87)
South Plains (91)
Spearman (89)
Spring Branch (115)
Spur (91,94)
Stamford (94)
Stanton (91)
Stephenville (115)
Sulphur Springs (95)
Sweetwater (94)
Taft (114)
Taylor (118)
Teague (118)
Temple (118)
Terlingua (87)•
Terrell (85,88)
Texarkana (99)
Texas City (119)
Texhoma (89)
Tulia (89)
Twitty (94)
Tyler (118)
Uvalde (115)
Van Horn (90)
Velasco (114)
Vernon (94)
Victoria (114)
Waco (118)
Waxahachie (98)
Weatherford (95)
Webster (118)
Wellington (94)
Weslaco (114)
Westbrook (91)
Wharton (118)
Wichita Falls (94)
Willis Point (95)
Wink (91)
Winters (118)
Wolfe City (95)
Yoakum (118)
Zuehl (142)

[redacted]

Beaver (54)
Bountiful (23)
Brigham (23)
Bryce Canyon (54)
Cedar City (54)
Corinne (23)
Delta (23)
Duchesne (23)•
Dugway (23)
Enterprise (54)
Ephraim (23)
Fairfield (23)
Fillmore (54)
Goulding (55)
Grantsville (23)
Hanksville (55)
Hill (23)
Huntsville (23)
Knolls (23)
Layton (23)
Logan (23)
Low (23)
Lucin (23)
Midvale (23)
Milford (54)
Mt. Pleasant (23)
Myton (23)•
Nephi (23)
Ogden (23)
Price (23)
Promontory Point (23)
Provo (23)
Richfield (54)
Riverton (23)
Roosevelt (26)
St. George (54)
Salt Lake City (23)
Sandy (23)
Spanish Fork (23)
Timpie (23)
Toole (23)
Vernal (26)
Wendover (23)

[redacted]

Bennington (43)
Berlin (18)
Bristol (18)
Burlington (18)
Fair Haven (43)
Grande Isle (18)
Huntington (18)
Manchester (43)
Newport (18)
Rutland (43)
St. Johnsbury (18)
Springfield (43)
Swanton (18)
Vergennes (18)
White River Jct. (43)

[redacted]

Alberta (111)
Alexandria (78)
Altavista (110)
Annandale (78)
Bedford (110)
Big Stone Gap (107)
Blacksburg (110)
Blackstone (111)
Cape Charles (111)
Charlottesville (74)
Chester (75)
Chilhowie (107)
Chincoteague (75)
Clarksville (111)•
Clover (110)
Covington (74)
Creeds (111)
Dahlgren (75)
Danville (110)
Dawn (75)
Deep Creek (111)
Drivers (139)
Eclipse (111)
Emporia (111)
Falls Church (78)
Farmville (111)
Fentress (139)
Franklin (139)
Fredericksburg (75)
Front Royal (74)
Galax (110)
Gordonsville (74)
Greys Point (75)•
Hampton (139)
Harcum (75)•
Harrisonburg (74)
Herndon (75)
Hopewell (111)
Hot Springs (74)
Langley (139)
Lawrenceville (111)
Leesburg (75)
Lexington (74)
Lively (75)
Lynchburg (74,110)
Manassas (75)
Martinsville (110)
Melfa (75)
Milford (78)
Montvale (74)
Mt. Vernon (78)
Narrows (74)
Norfolk (139)
Oceana (139)
Onancock (75)
Orange (74)
Parksley (75)
Petersburg (111)
Pulaski (110)
Pungo (139)
Quantico (78)
Richlands (107)
Richmond (75)
Roanoke (110)
Shenandoah (74)
Staunton (74)
Suffolk (139)
Tappahannock (75)
Virginia Beach (139)
Warrenton (75)
Waverly (139)
Waynesboro (74)
Weirwood (75)
West Point (75)
Williamsburg (111)
Winchester (74)
Windsor (139)

[redacted]

Aberdeen (2)
Almira (3)
Arlington (2)
Auburn (142)
Bellevue (142)
Bellingham (2)
Blaine (2)
Bothell (2)•
Bremerton (142)
Burlington (2)
Camano Island (2)
Camas (142)
Chehalis (2)
Chelan (3)•
Chewelah (3)
Clarkston (3)
Cle Elum (2)
College Place (3)
Colville (3)
Connell (3)
Coulee City (3)
Coupeville (2)
Davenport (3)
Deer Park (3)
Dungeness (2)
Easton (2)
East Sound (2)
Ellensburg (2)
Enumclaw (142)
Ephrata (3)
Everett (2)
Forks (2)•
Geiger (3)
Goldendale (2)•
Harrington (3)
Hobart (2)
Huntsville (3)
Ilwaco (2)
Issaquah (142)
Kelso (2)
Kennewick (3)
Kent (142)
King Co-Boeing (142)
Kittitas (2)
La Crosse (3)
Lakeview (3)
Lind (3)
McChord (142)
Mead (3)
Metaline Falls (3)•
Moses Lake (3)
Mt. Vernon (3)
Neah Bay (3)
Newport (3)
North Bend (2)•
Okanogan (3)
Olympia (2)
Omak (3)
Opportunity (3)
Orchards (142)
Oroville (3)
Pasco (3)
Pateros (3)
Port Angeles (2)
Port Orchard (2)
Port Townsend (2)
Prosser (3)
Pullman (3)
Puyallup (142)
Quillayute (2)
Randle (2)•
Renton (142)
Republic (3)•
Ritzville (3)
Rosalia (3)
Seattle (142)
Shelton (2)
Snohomish (2)
Spanaway (142)
Spokane (3)
Sprague (3)
Stevenson (2)
Sunnyside (2)
Tacoma (142)
Toledo (2)
Tonasket (3)
Toppenish (2)
Twisp (2)
Vancouver (142)
Walla Walla (3)
Washougal (2,142)
Washtucna (3)
Wenatchee (2)
Westport (2)
Whidbey Island (2)
Wilbur (3)
Winthrop (2)
Woodland (2)
Yakima (2)

[redacted]

Beckley (71)
Buckhannon (74)
Bunker Hill (74)
Burlington (74)
Charleston (71)
Clarksburg (74)
Elk Garden (74)
Elkins (74)
Glendale (74)
Greenbrier (74)
Hinton (74)
Hollidays Cove (74)
Huntington (71)
Logan (71)
Marlinton (74)
Martinsburg (75,74)
Moorefield (74)
Morgantown (74)
New Cumberland (74)
Parkersburg (71)
Paynesville (107)
Pence Springs (74)•
Petersburg (74)
Princeton (71)
Ravenswood (71)
Romney (74)
Ronceverte (74)
Spencer (71)
Sutton (74)
Terra Alta (74)
Weston (74)
Wheeling (74)
White Sulphur Spgs. (74)
Williamson (71)
Winfield (71)

[redacted]

Amery (14)
Antigo (15)
Appleton (15)
Arbor-Vitae (15)•
Ashland (14)
Baraboo (34)
Beaver Dam (34)
Black River Falls (14)
Bloomer (14)
Boulder Junction (15)
Boyceville (14)
Brodhead (34)
Camp Douglas (31)
Camp McCoy (31)
Cedarburg (34)
Cheney (3)
Chetek (14)
Chippewa Falls (14)
Clintonville (15)
Colby (14)
Dallas (14)
Darlington (31)
DePere (15)
Durand (14)
Eagle River (15)•
Eau Claire (14)
Elkhorn (34)
Fifield (14)•
Fond du Lac (34,15)
Genesee (34)
Green Bay (15)
Hales Corner (34)
Hayward (14)
Hudson (14)
Janesville (34)
Jefferson (34)
Kenosha (34)
Kohler (15,34)
La Crosse (31)
Ladysmith (14)
Lake Delton (34)
Land O' Lakes (15)
Lone Rock (31)
Madison (34)
Manitowoc (15)
Manitowish (15)
Marshfield (14)
Medford (14)
Menomonie (14)
Merrill (15)•
Milwaukee (34)
Monroe (34)
Neenah (15)
Neillsville (14)
Oconto Falls (15)
Omro (15)
Oshkosh (15,34)
Phillips (14)
Plymouth (15,34)
Portage (34)
Racine (34)
Rhinelander (15)
Rice Lake (14)
Richland (3)
Richland Center (31)
Shullsburg (31)
Shawano (15)
Sparta (31)
Spooner (14)
Stevens Point (15)
Sturgeon Bay (15)
Sturtevant (34)
Superior (14)
Three Lakes (15)
Tomah (31)
Tomahawk (15)•
Truax (34)
Washington Island (15)•
Watertown (34)
Waukesha (34)
Waupaca (15)
Waupun (34)
Wausau (15)
West Bend (34)
Whitewater (34)
Wisconsin Rapids (15)

[redacted]

Afton (23)
Archer (27)
Basin (7)
Big Piney (23)•
Buffalo (7)
Casper (26)
Cheyenne (27)
Cody (7)
Cokeville (23)
Cowley (7)
Douglas (26)
Dull Center (27)
Egbert (27)
Evanston (23)
Fort Bridger (23)
Gillette (7)
Greybull (7)
Jackson (23)
Kemmerer (23)
Knight (23)
Lander (26)
Laramie (26)
Lusk (27)
Meadows (27)
Medicine Bow (26)
Midwest (26)
New Castle (27)
Parkerton (26)
Pine Bluffs (27)
Pinedale (26)
Point of Rocks (26)
Powell (7)
Rawlins (26)
Riverton (26)
Rock Springs (26)
Sheridan (7)
Silver Crown (26)
Sinclair (26)
Sussex (26)
Thermopolis (26)
Torrington (27)
Ucross (7)
Wamsutter (26)
Wheatland (27)
Worland (26)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

DIGEST OF AIR TRAFFIC CONTROL PROCEDURES

This digest is prepared expecially for the use of pilots operating within control areas, airport approach zones and airport traffic zones. For detailed information, see Civil Aeronautics Administration Manual 60, AAF Regulation 60-16, and pertinent Navy Publications.

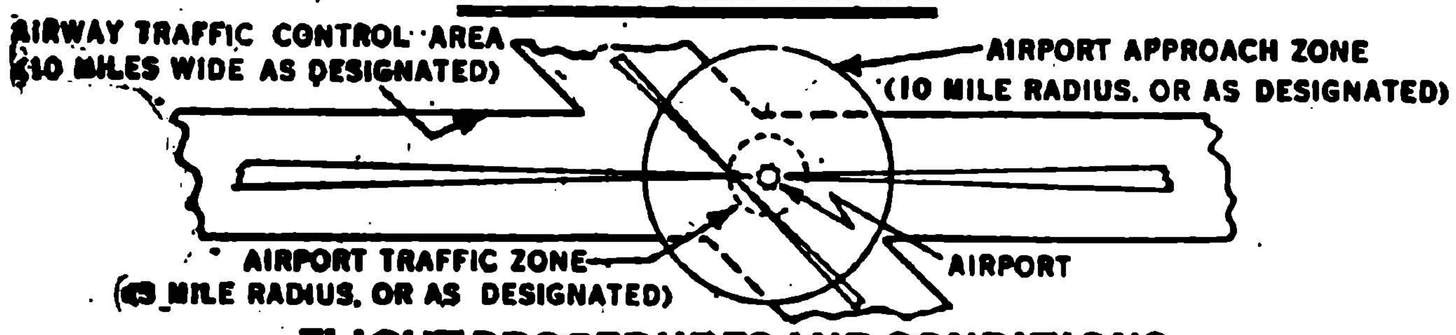
CONTACT FLIGHT RULES WEATHER MINIMUMS

	Inside Airport Traffic Zone (3-mile radius)	Inside Control Area (but outside of Airport Traffic Zones)	Elsewhere
Flights at altitudes of more than 700 feet above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	500 ft. vertically, 2000 ft. horizontally from all clouds-3 miles visibility (or 1 mi. with traffic clearance)	500 feet vertically, 2000 feet horizontally from all clouds 1 mile visibility
Flights at altitudes of 700 feet or less above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	Clear of clouds** 1 mile visibility	Clear of clouds** 1 mile visibility

*If traffic conditions permit, a control tower or control center will issue a traffic clearance when the minimums are less than those specified, but under this provision the flight must remain clear of clouds.

**In airport approach zones flights must remain 500 feet vertically and 2000 feet horizontally from all clouds unless a center or tower issues a traffic clearance for flight "clear of clouds"

CONTROLLED AREAS



FLIGHT PROCEDURES AND CONDITIONS

The types of flight plans and conditions under which aircraft may be operated are summarized as follows:

CONTACT FLIGHT RULE (CFR)- Aircraft must be flown in weather conditions equal to or better than those outlined in the weather minima chart without benefit of reductions authorized by a traffic clearance. No flight plan or communication contacts are necessary other than as required by an airport traffic control tower for regulation of local airport traffic.

CONTACT FLIGHT RULE-CONTROLLED- Aircraft may be operated in weather conditions lower than the basic weather minima within control areas, airport approach zones, and airport traffic zones, providing the pilot files flight plan specifying the route to be flown with an airway traffic control center or airport traffic control tower, he receives a traffic clearance and he complies with all conditions stipulated in the clearance. Communication contacts and position reports may be required by Air Traffic Control for this type of flight, as traffic control separation will be afforded aircraft on the same basis as aircraft operating on an IFR flight plan.

INSTRUMENT FLIGHT RULE (IFR)- Pilots proposing to operate aircraft in accordance with instrument flight rules are required to: file a complete flight plan with an airway traffic control center or airport traffic control tower and obtain a traffic clearance from the center or tower prior to flight; maintain continuous listening watch on the appropriate radio frequency, and report by radio the time and altitude of passing each designated reporting point. When an aircraft on an IFR flight plan is operating in weather conditions lower than the basic CFR minima a minimum altitude of 1000 feet above the surface must be maintained.

A traffic clearance specifying that a portion of a flight is to be conducted in accordance with contact flight rules (CFR) will require that the pilot maintain without reduction, the basic contact flight rule minima as specified in CAR 60 and assume the responsibility of avoiding other aircraft during the portion of the flight specified. In the event of two way radio failure, a pilot may (1) proceed according to current flight plan, maintaining the minimum safe altitude or the last acknowledged assigned altitude, whichever is higher, to the range station from which approach will be started to the airport of intended landing, and commence descent at approach time last authorized; or if such time has not been received and acknowledged commence descent at the time of arrival specified in the flight plan. Under such conditions a full standard instrument approach should be executed unless a CFR approach is made; or (2) if weather conditions permit, proceed in accordance with CFR; or (3) land as soon as practicable. Normally, if the aircraft is operating flight rule weather conditions at the time the radio failure is discovered, the pilot should proceed in accordance with contact flight rules to the airport of first intended landing or to the nearest suitable airport. If this is not possible, the pilot will proceed according to current flight plan. In order that uniform flight levels will be maintained by all aircraft, the altimeter should always be set to the altimeter setting of the nearest reporting station as the flight proceeds. The altimeter setting is issued by the Weather Bureau, and when placed on the barometric scale of the altimeter, will result in a reading of the elevation above sea level on the height scale of the instrument.

Traffic Clearances: In order to prevent delay to aircraft operating in contact flight rule weather conditions and yet ensure adequate separation when and if instrument flight rule weather conditions are encountered, traffic clearances to pilots filing instrument flight rule (IFR) flight plans may amend such flight plans by requiring flight in accordance with contact flight rules (CFR) for all or a portion of the flight. A traffic clearance will specify the approved altitude followed by the abbreviation "CFR". Upon receipt of such clearance, the pilot will be responsible for avoiding other aircraft while operating in CFR weather conditions and for securing an amended clearance at the specified altitude before IFR weather conditions are encountered. The pilot must remain in CFR weather conditions until the amended clearance is received. For efficient operation, the use of this procedure can only be determined by Air Traffic Control. Pilots, therefore, should not file "altitude/CFR" in any flight plan. "Altitude/CFR" is to be used only in a traffic clearance issued by Air Traffic Control.

N.B. 1 A flight plan is required on all AAF flights except for local flights within a defined local flying area.

Arrival Reports-It should be noted that whenever a flight plan has been filed whether for CFR or IFR operations, an arrival report is required, unless the pilot has stated in the flight plan that such report will not be filed.

Maintenance of Flight Altitudes-Within control areas, aircraft should be flown at even or odd thousand-foot levels above sea level depending upon the direction of flight as indicated by odd or even minimum altitudes shown on Flight Planning Charts, unless other altitudes are assigned and approved by an airway traffic control center.

Cruising altitudes outside of control areas or approach zones shall correspond to the direction of flight as indicated below:

MAGNETIC HEADING	Indicated Altitude (feet above sea level)
0° - 89° inclusive,	odd thousands: 1,000 ft.; 3,000 ft.; etc.
90° - 179° inclusive,	odd thousands plus 500 ft.: 1,500 ft.; 3,500 ft.; etc.
180° - 269° inclusive,	even thousands: 2,000 ft.; 4,000 ft.; etc.
270° - 359° inclusive,	even thousands plus 500 ft.: 2,500 ft.; 4,500 ft.; etc.

AIRPORT TRAFFIC CONTROL PROCEDURES

Aircraft with Two-Way Radio: If operating under contact flight rules, arriving aircraft should establish communication with the control tower when approximately 15 miles from the airport of destination. The tower will issue such instructions as are necessary. Pilots should remain tuned to the tower until the landing is completed and the aircraft parked. If on an instrument flight plan, arriving aircraft should remain on range frequency as long as required for navigational purposes. The control tower should not be contacted until after a clearance "to the tower" has been received and the aircraft is 15 miles or less from the airport and clear of clouds, unless otherwise instructed. The clearance, "Cleared to Blank Tower", is also approval for approach subject to any restrictions or instructions contained in the clearance. This clearance, without any restrictions, is approval to make approach for a landing using whatever type of approach desired by the pilot.

Aircraft with Receiver Only: Remain tuned to the tower at all times when within the airport traffic zone. Acknowledge signals in the daytime by movement of ailerons or rudder on the ground and by rocking wings in the air, & at night by flashing landing light. Clearance from the tower should be received for taxiing, landing and taking-off; however, sufficient movement of the aircraft to attract the attention of the tower is permitted. If tower does not issue radio instructions, watch for light signals as the tower may not realize that the aircraft is equipped with a receiver.

Aircraft without Radio Equipment: Observe the tower for light signals, and acknowledge as above. The light signals are:

VISUAL SIGNALS FROM PORTABLE TRAFFIC SIGNAL LIGHT

Color and Type of Signal	Taxi-ing	Ready for Take-off	In Flight
STEADY GREEN	XXXXXXXXXXXX	Cleared for Take-off	Cleared to Land
FLASHING GREEN	Continue Taxi-ing	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
STEADY RED	Stop	Clear the Runway Immediately, and Wait	Give Way to Other Aircraft and Continue Circling
FLASHING RED	Return to Hangar Line	Return to Hangar Line	Return and Land
ALTERNATING RED AND GREEN	General Warning Signal - Exercise Extreme Caution		

Traffic and Taxi Patterns have been established at busy airports to illustrate the desired flow of aircraft on the ground and in the air under specified wind conditions. If the traffic pattern is not known, follow other aircraft unless otherwise instructed.

If a pilot does not receive either radio or visual signal from the tower when approaching for a landing, he should make at least one complete circle of the airport conforming to the traffic pattern, and then start approach for a landing. The pilot should be on the alert for a signal from the tower and maintain a watch for other aircraft.

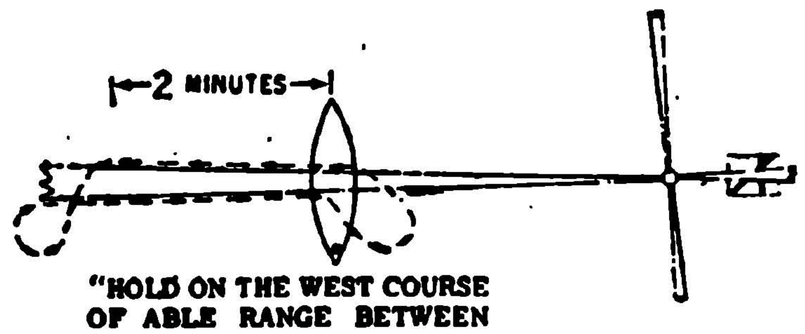
HANDLING OF CFR FLIGHT PLANS, AND ARRIVAL REPORTS

CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. These flight plans are not transmitted to the point of destination but are held in suspense until notice of arrival is received. One hour after the estimated time of arrival, if no notice of arrival is received, queries are sent out over CAA communication systems to determine the location of the aircraft. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. Arrival reports are transmitted over CAA circuits to the station holding the flight plan.

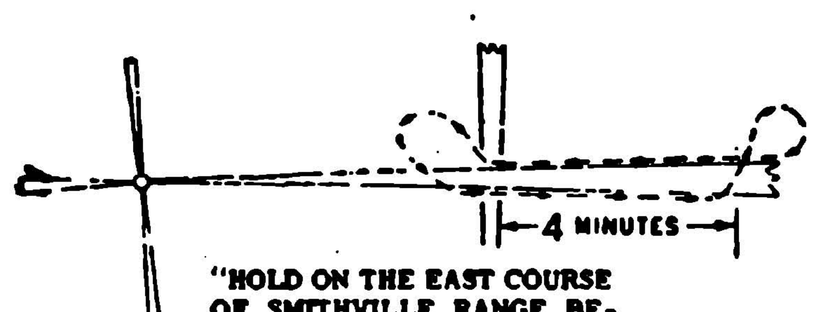
In order to reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

HOLDING PROCEDURES FOLLOWED BY AIRCRAFT AT RADIO FIXES

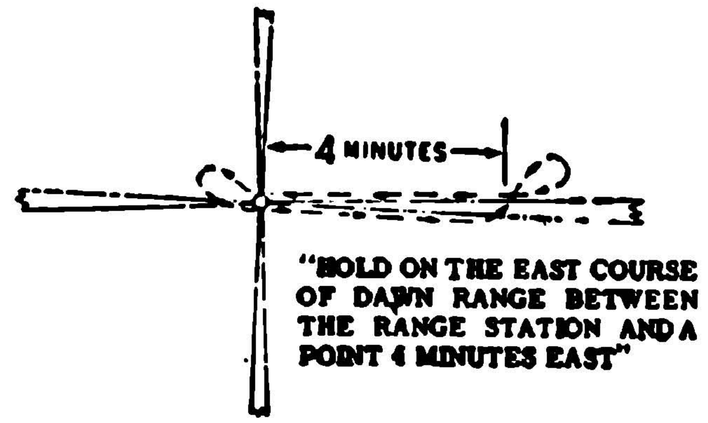
The standard holding flight path of an aircraft operating on an instrument flight rule flight plan and being held at a radio fix is to follow the right edge of the on-course signal of the specified leg of the appropriate radio range. The aircraft shall hold between the designated holding point and a point 4 minutes' flying time therefrom in the direction specified starting procedure turns at the holding point and a point 4 minutes therefrom. Unless prevented by obstructions or unless otherwise advised by an Airway Traffic Control Center or Civil Aeronautics Administration Airport Traffic Control Tower, the initial turn of a procedure turn shall be made to the left when flying away from the range station and to the right when flying toward the range station. The point to be used as the designated holding point will be identified in the traffic clearance which contains instructions for the aircraft to hold. When holding at an approach control marker, the holding flight path will extend from the specified holding point to a point not to exceed 2 minutes' flying time therefrom in the direction specified. When instructions are received giving the time of departure from the holding point, the pilot may adjust his flight path so as to be able to depart from the marker at the exact time specified.



"HOLD ON THE WEST COURSE OF ABLE RANGE BETWEEN BAKER FAN MARKER AND A POINT 2 MINUTES WEST"



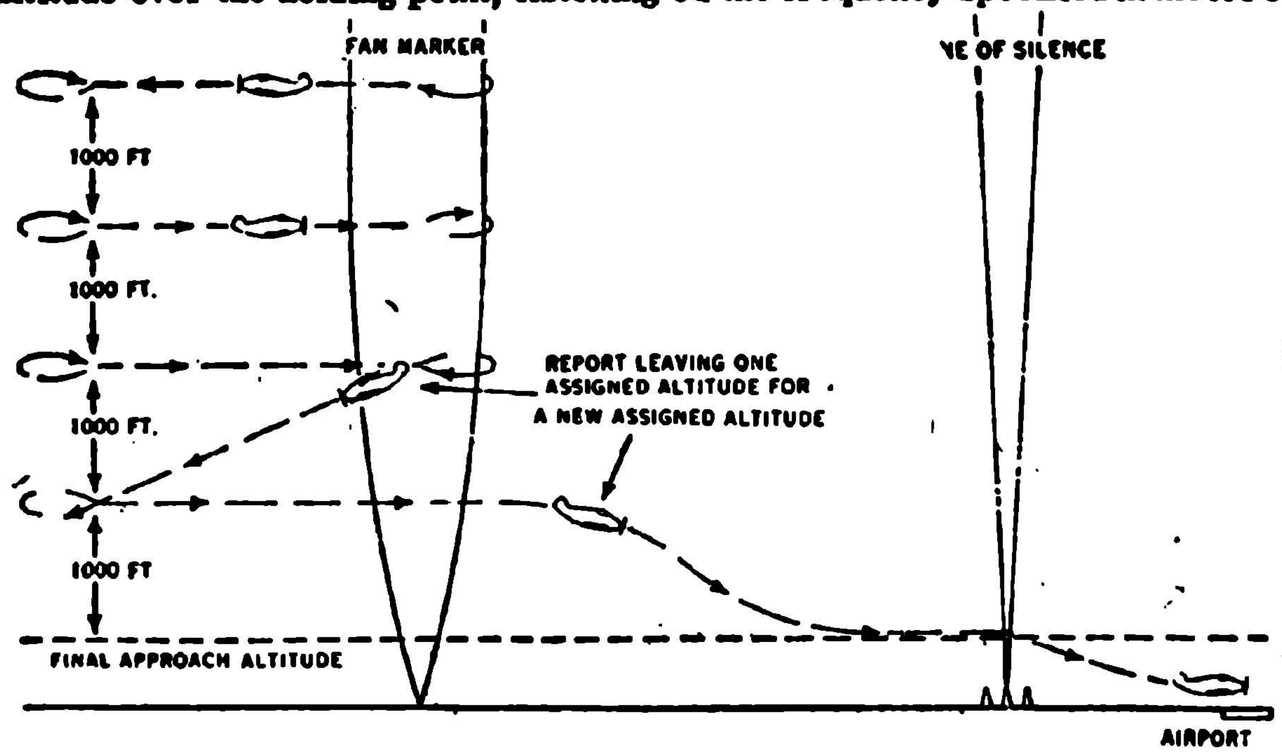
"HOLD ON THE EAST COURSE OF SMITHVILLE RANGE BETWEEN JASON INTERSECTION AND A POINT 4 MINUTES EAST"

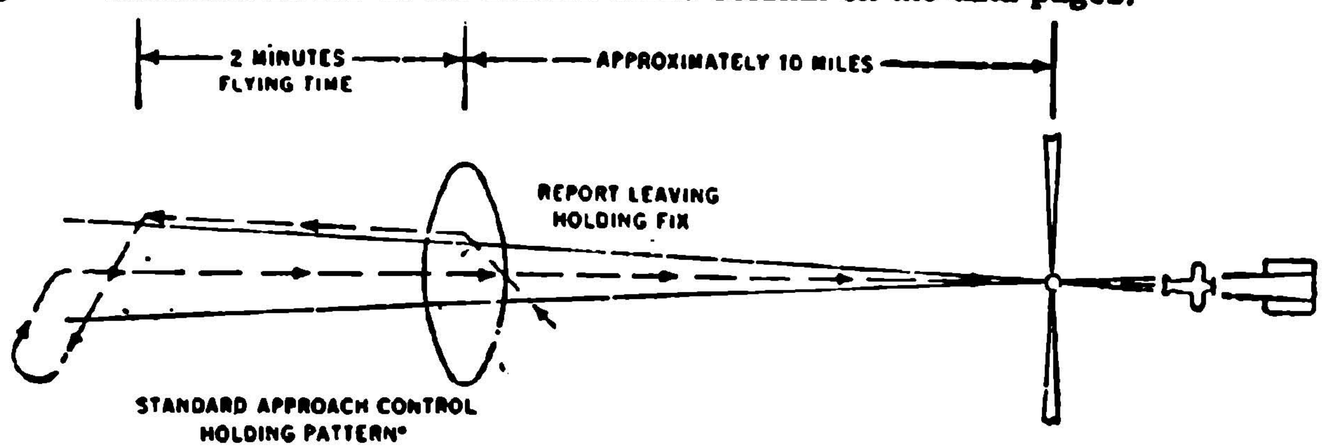


"HOLD ON THE EAST COURSE OF DAWN RANGE BETWEEN THE RANGE STATION AND A POINT 4 MINUTES EAST"

APPROACH CONTROL PROCEDURES

Approach control is a service whereby Civil Aeronautics Administration airport traffic control towers issue control instructions in instrument weather conditions, by communicating directly with pilots over the voice feature of a radio range, or over a very-high frequency channel of the control tower. Ordinarily, aircraft will be cleared by the airway traffic control center to the holding fix, (fan marker or other radio fix) with appropriate holding instructions. Instructions to hold "UNTIL FURTHER ADVISED BY (Name of) APPROACH CONTROL ON (Blank) KILOCYCLES" are included by the arwy traffic control center so that the pilot will know on which frequency he will receive further instructions from the tower. When he arrives over the holding point, the pilot initiates a call to "(Name of) APPROACH CONTROL" and advises time and altitude over the holding point, listening on the frequency specified in the ATC clearance for further instructions. Radio contacts required thereafter: (a) when vacating any previously assigned flight level for a newly assigned level; (b) when leaving holding point. Each pilot in an approach sequence will be given advance notice as to the time he should leave the holding marker on approach to the airport. When the time of leaving the holding point has been received, the pilot should shorten the standard holding path remaining in the immediate vicinity of the marker so as to leave the marker as closely as possible to the designated time. Pilots should maintain communication by listening to approach control frequency until cleared to the tower's local control frequency (278 kc. or equivalent). Departing aircraft will receive initial instructions on the tower's local control frequency. Approach Control is established at locations indicated as AC in the station class column on the data pages.





*NOTE: STANDARD 2 MINUTE HOLDING PATTERN FOLLOWED BY ALL AIRCRAFT HOLDING UNTIL INSTRUCTIONS ARE RECEIVED GIVING TIME OF DEPARTURE FROM HOLDING POINT. THEN PILOT SHORTENS HOLDING PATH, REMAINING IN IMMEDIATE VICINITY OF HOLDING POINT SO AS TO LEAVE MARKER EXACTLY AT SPECIFIED TIME.

AIR NAVIGATION RADIO AIDS

LEGEND

(3) Station guards 3105, 4495, 6210 kcs. (7-24) - Hours of operation (7 a.m. to midnight) on a 24-hour clock basis

(4) Station guards 3105, 4495, 6210, 3117.5 kcs. → - New or revised data*

RADIO CLASS DESIGNATIONS

AC.....Approach Control Tower, CAA
B.....Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited)
C.....Control Tower, CAA
CA.....Control Tower, Army
CT.....Control Tower, (City, County, Private, etc.)
CN.....Control Tower, Navy
D.....Distantly controlled
FM.....VHF fan type marker (100 watts)
FMK.....Compass locator station when combined with fan marker
GCA.....Ground control approach system
H.....Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System
IM.....VHF boundary marker
K.....Independent compass locator station
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
MH.....Non-directional radio-beacon(homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock , vertical radiators), power more than 50, less than 150 watts
MRL.....Range (loop radiators), power more than 50, less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within 5.5 miles of middle marker.
P.....Point to point radio
RA.....Range (adcock, vertical radiators) power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous transmission of range signals and voice
T.....Teletype
TX.....Principal teletype
V.....Voice communication with aircraft
VAR.....Visual-aural VHF range
W.....Without voice facilities
Z.....VHF station location marker at a range station.

N.B. Vartation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE ·–	D-DOG –··	G-GEORGE ––·	J-JIG ·–––	M-MIKE ––	P-PETER ·––·	S-SUGAR ···	V-VICTOR ···–	Y-YOKE –·––
B-BAKER –···	E-EASY ·	H-HOW ····	K-KING –·–	N-NAN –·	Q-QUEEN ––·–	T-TARE –	W-WILLIAM ·––	Z-ZEBRA ––··
C-CHARLIE –·–·	F-FOX ··–·	I-ITEM ··	L-LOVE ·–··	O-OBOE –––	R-ROGER ·–·	U-UNCLE ··–	X-XRAY –··–	

1 ·–––– 2 ··––– 3 ···–– 4 ····– 5 ····· 6 –···· 7 ––··· 8 –––·· 9 ––––· 0 –––––

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered nondirectional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency and, generally, V.H.F. of 116.1 mcs.

The classification designation "B" denotes that the station broadcasts airway and meteorological information on a scheduled basis at 15 and 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

AUTOMATIC RANGE MONITORING SYSTEM

The automatic range monitoring system will automatically notify all pilots using a range on which it is installed, whenever an abnormal condition exists on the final approach course, the only course monitored at the present time.

The notification, or warning signal, will consist of the slow transmission of one group of three "U"s (. . – . . – . . –), between two station identification transmissions. This warning signal will be transmitted: (a) whenever a course displacement of 3° or more exists; (b) whenever a sudden and large loss of signal strength occurs; (c) or whenever an apparent on-course signal (loss of N-A keying, producing a monotone which sounds like an on-course signal) exists throughout all quadrants.

Loss of signal strength is obvious, and loss of N-A keying is easily ascertainable by the pilot whenever the three "U"s identify an abnormal condition. The flier should suspect course displacement upon hearing the warning signal, if there has been no drop in range signal strength and the interlocked N and A on-course signal is well defined. On the other hand, the loss of N-A keying is indicated by warning transmission once only, when normal identifications are also missing.

In the case of range course displacement, the greater the course displacement, the earlier in the period between station identification transmission will the "UUU" signal be heard. An occasional warning signal transmission not repeated in every cycle, followed by the normal identification, may be disregarded since it may be occasioned simply by momentary power fluctuations.

INSTRUMENT LANDING SYSTEMS

An Instrument Landing System comprises a localizer (possibly a glide path), and a boundary, middle, and outer marker. Infrequently, the middle or boundary marker is not commissioned at present and future installations will have no boundary markers. The entire system of transmitters (localizer, glide path, and markers) operate on V.H.F. All markers operate on 75 mcs.

Compass locator stations, on the other hand, operate on the low frequency 200-415 kilocycle band. Compass locator data will be found under marker data on the second line of those stations having such facilities. These are, with rare exceptions, located at the same sites as the V.H.F. markers, and have single letter identifications.

The localizer course of the Instrument Landing System divides the blue sector (150 cycles), which is to the right of the course in respect to the landing aircraft on final approach, from the yellow sector (90 cycles), which is left.

(L5) or (L6) in the Location Column under Instrument Landing Systems indicates hi-intensity runway contact lights (L5) or hi-intensity instrument approach lights (L6).

VHF RADIO RANGES

Simultaneous Visual-Aural VHF Radio Ranges have two visual and two aural courses with simultaneous voice transmission on the range frequency. A range of this type operates in the band 112 to 118 mcs. (Certain stations have been temporarily assigned the following frequencies: 108.3 mc, 108.7 mc, 109.1 mc.). Modulation frequencies of 90 cps and 150 cps are used to produce the visual courses. The sector in which the 90 cps modulation predominates is to be known as the "Yellow Sector" and that in which the 150 cps modulation predominates is to be known as the "Blue Sector" The aural courses are produced through the use of "N" and "A" signals with modulation frequency of 1020 cps.

VHF RADIO RANGE ORIENTATION: The assignment of the blue and yellow sectors and the "A" and "N" sectors of CAA VHF radio ranges is accomplished in accordance with the following rules:
(a) On Green and Red Airways, the blue sector lies north of the visual course, the yellow south; the "N" sector lies to the east of aural course; the "A" west.
(b) On Amber and Blue Airways, the blue sector lies west of the visual course, the yellow east; the "N" sector lies to the north of the aural course, the "A" south.
(c) The visual courses are projected along the airway, the aural courses across the airway.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS

All continuously operated CAA Radio Range and Radio Beacon Stations having voice facilities on the Range or Radio Beacon Frequencies broadcast weather reports at 15 and 45 minutes past each hour.

At each station the material broadcast consists of the local weather report and the latest available surface weather reports from surrounding locations. Reports more than one hour old are not broadcast. In addition, the local winds aloft report is broadcast four times daily at 6:15 and 12:15 A.M. and P.M. At selected stations the Weather Bureau provides a local terminal forecast covering the next two hours, and this forecast is broadcast, when available, immediately following the local weather report.

FILING OF "OVER" REPORTS

Pilots should make every effort to file "over" reports when passing over those points designated as "Radio Fixes" on the Radio Facilities Charts. Refer to Chart Legend

Pilots of aircraft operating on contact flight rule flight plans who desire to make flight progress reports shall include in the report the phrase "CFR" flight plan from _____ to _____

Pilots of aircraft operating on instrument flight rule flight plans and who are required, therefore, to make flight progress reports, shall include in the report the phrase "Instrument flight plan". NOTE: The word "instrument", rather than the abbreviation "IFR" is used above to avoid confusion between the abbreviations "CFR" and "IFR" under difficult radio reception conditions.

RADIOTELEGRAPH CALLING PROCEDURE

Radiotelegraph (A2 emission), in addition to radiotelephone (A3 emission), may be used to call Civil Aeronautics Administration airway communications stations. Radiotelegraph (A1 emission) may be used, but its use will require a prearranged schedule since receivers at the stations are set for A2 and A3 emission only. The Civil Aeronautics Administration airway communication station will reply on the radio range voice channel except as otherwise provided. When calling Civil Aeronautics Administration airway communications stations, it is desired that the radio call letters of the station be used. However, the stations will be on the alert for calls consisting of the radio range identification (listed under "Station Identification"), which may be used after two calls by voice have not been answered by the Civil Aeronautics Administration airway communications station or when unusual circumstances prevail or during emergencies. For example: A pilot using the Richmond, Virginia radio range who is unable to contact that station by voice, will radiotelegraph the following, using A2 emission: "RW RW RW K". Upon receipt of such a signal, the aircraft communicator at the Richmond radio range station will acknowledge on the voice channel of the radio range as follows: "UNIDENTIFIED AIRCRAFT CALLING RICHMOND RADIO OVER" The pilot then would resume use of voice for completion of the contact unless conditions require continuance of radiotelegraph. It is important that pilots use this procedure only after two unsuccessful attempts by voice to contact Civil Aeronautics Administration airway communications stations.

RADIOTELEPHONE (CALLING PROCEDURE)

When calling Civil Aeronautics Administration stations (except towers) or Army and Navy radio ranges, utilize the call "RADIO". When calling all airport control towers, be they Army, Navy, CAA, or municipal utilize the call "TOWER" When calling Army Airways, utilize the call "ARMY AIRWAYS" Examples:

(a) "Jacksonville Radio This Is Stinson 1234".....When calling a radio range
(b) "Jacksonville Tower This Is Waco 4567" .....When calling a control tower
(c) "Jacksonville Army Airways This Is Army 725" .....When calling an Army Airways Communications Station
(d) "Langley Army Radio This is Army 472" .....When calling an Army radio range

COMBINED UNITED STATES-BRITISH RADIOTELEPHONE (R/T PROCEDURE)

This new procedure has previously been adopted by the War and Navy Departments for use by military aircraft and became effective June 1, 1943, for use by Civil Aeronautics Administration airway communications stations and airport traffic control towers and civilian aircraft. Military pilots may secure complete information from Army publication FM24-9. The major changes in procedure are summarized below for the benefit of civilian pilots not having access to FM24-9.

1. Use of the words "THIS IS" instead of the word "FROM".
2. Use of the word "OVER", instead of the words "GO AHEAD", to indicate, MY TRANSMISSION IS ENDED AND I EXPECT A RESPONSE FROM YOU".
3. Use of the word "OUT" when conversation is ended and no response is expected.
4. Use of the phrase "SAY AGAIN", instead of the word "REPEAT" when requesting a repetition.
5. Use of the phrase "I SAY AGAIN", instead of the phrase "I WILL REPEAT", when a repetition is being given.

Examples:

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO OR CLEVELAND TOWER MESSAGE FOR YOU (Optional) OVER

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE FOUR THREE SEND YOUR MESSAGE (Optional) OVER

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO or CLEVELAND TOWER (Message) OVER

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE EIGHT ONE FOUR THREE ROGER OUT

Pertinent parts of all current publications, including Manual 60, are superseded insofar as communications procedures are concerned by the new procedure indicated above effective October 1945

• UNDER THE HEAVY BLACK LINE FOUND IN THE THE RADIO SECTION OF THE DATA PAGES ARE LISTED, OUT OF ALPHABETICAL ALIGNMENT. ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP

AIRPORT DATA
LEGEND

NAME

(Where city and airport names are identical, the airport name is omitted in the interest of space conservation)

(A) Airport owned or leased in whole or in part by Army
(CG) Airport owned or leased in whole or in part by Coast Guard
(N) Airport owned or leased in whole or in part by Navy
★ CAA Intermediate Field
(P) Non-military airport available for use by military aircraft (See Note 3)

N.B. If the airport name is followed by (A) for Army, (N) for Navy, or (CG) for Coast Guard, the field is exclusively an Army, Navy, or Coast Guard field. If the field is not exclusively Army, Navy, or Coast Guard and may be used by civilians, no (A), (N), or (CG) follows the airport name.

SIZE — CLASS

49: Length of longest landing strip (unpaved) in hundreds of feet
49h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl.").

N.B. Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-angling winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used; this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW, SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1: Voice availability via tower, range (or homing device), or voice station.
R2: Range (or homing device), and tower
R3: Range (or homing device), tower, and instrument landing system.

LIGHTS

L: Incomplete lighting, either flood or portable runway lights.
L1: Beacon only.
L2: Beacon and boundary.
L3: Beacon, boundary, and obstruction.
L4: Beacon, boundary, obstruction, and flood.
L5: Beacon, boundary, obstruction, flood, and runway contact
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach.
(L5): High intensity runway contact lights
(L6): High intensity instrument approach lights

(The class always indicates the highest element available but does not necessarily include all intermediate elements)

SERVICING

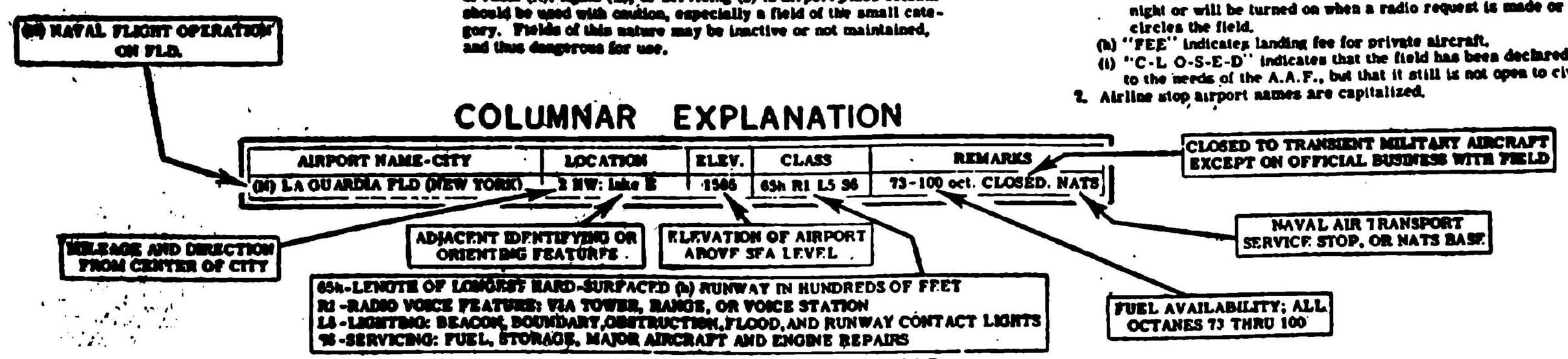
S1: Fuel.
S2: Fuel, storage.
S3: Fuel, storage, minor aircraft repairs.
S4: Fuel, storage, minor aircraft, and minor engine repairs.
S5: Fuel, storage, major aircraft, and minor engine repairs.
S6: Fuel, storage, major aircraft, and major engine repairs.

N B Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently servicing at such fields in isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class; comparable to, for example, "1S S1". "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there.
Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class columns should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify
2. → New or revised data.✱
3. "(P)" in CITY-AIRPORT NAME column indicates (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the United States Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. ★ "Effingham Int., 10, LS-IL" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no prefixed star or "Int."
5. In location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct." indicates octane rating of fuel available.
   (b) "CLOSED" indicates closed to all transient military aircraft except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "INACTIVE" indicates field is on temporarily inactive status as regards military use and that Army or Navy facilities have been discontinued. Use of Army fields in this status is to be as indicated by Special Notice on first page of the Notices to Airmen section, and in notices published under heading of field. Use of Navy fields is indicated under field heading.
   (e) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency.
   (f) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines are cited.
   (g) "Fld. lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly, the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (h) "FEE" indicates landing fee for private aircraft.
   (i) "C-L O-S-E-D" indicates that the field has been declared surplus to the needs of the A.A.F., but that it still is not open to civilians.
7. Airline stop airport names are capitalized.

COLUMNAR EXPLANATION



AIRPORT NAME ABBREVIATIONS

(A)	Army Field	(N)	Navy Field	LTA	Lighter than Air	NAS	Naval Air Station
AAB	Army Air Base	NAAF	Naval Aux. Air Facility	MCAS	Marine Corps Air Station	NPG	Naval Proving Grounds
AAF	Army Air Field	NAAS	Naval Aux. Air Station	MCAAF	Marine Corps Aux. Air Facility	OLF	Outlying Field (Navy)
CGAS	Coast Guard Air Station	NAF	Naval Air Facility	MCGB	Marine Corps Glider Base		

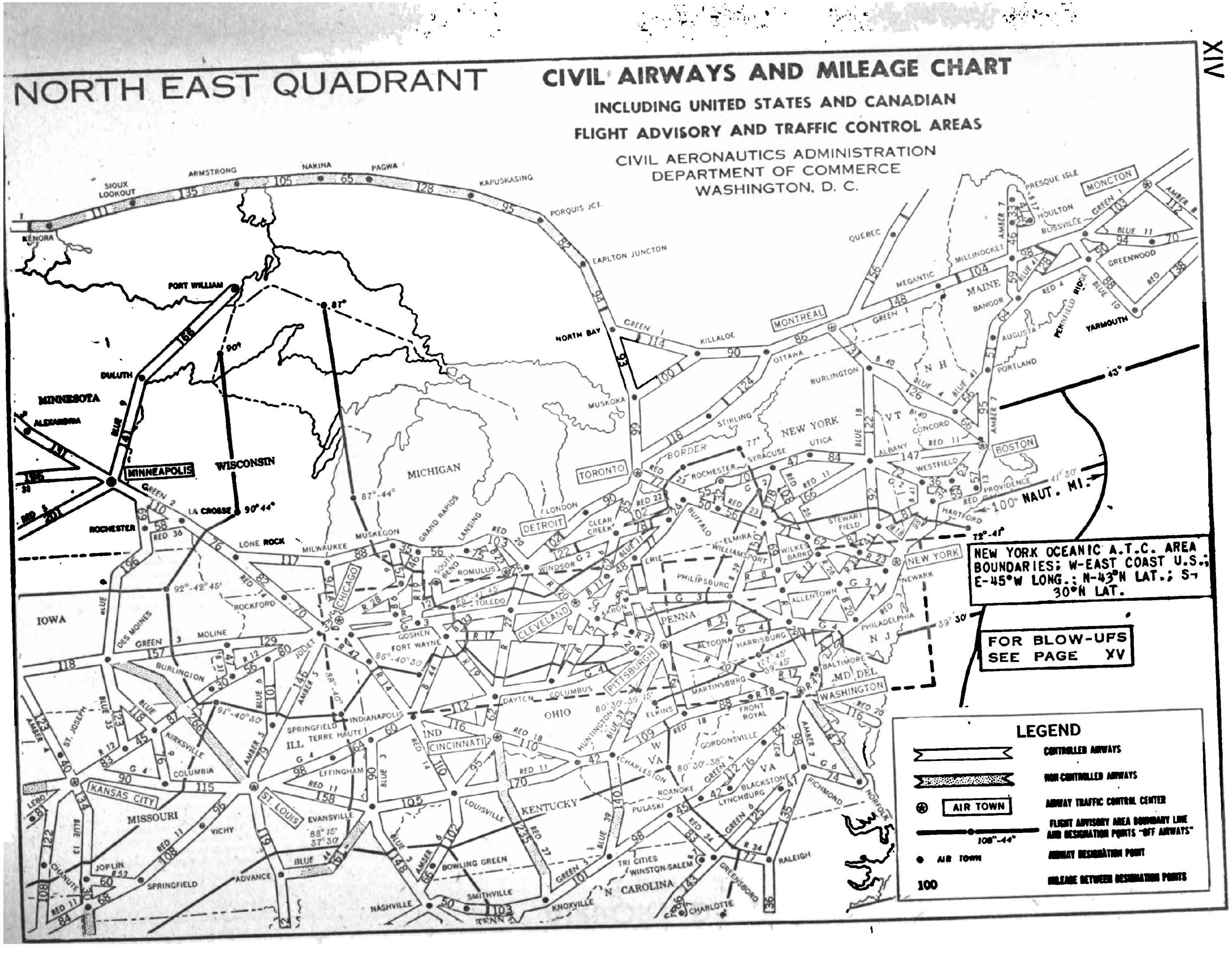
UNDER THE HEAVY BLACK LINE FOUND IN THE AIRPORT SECTION OF THE DATA PAGES ARE LISTED OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

NORTH EAST QUADRANT

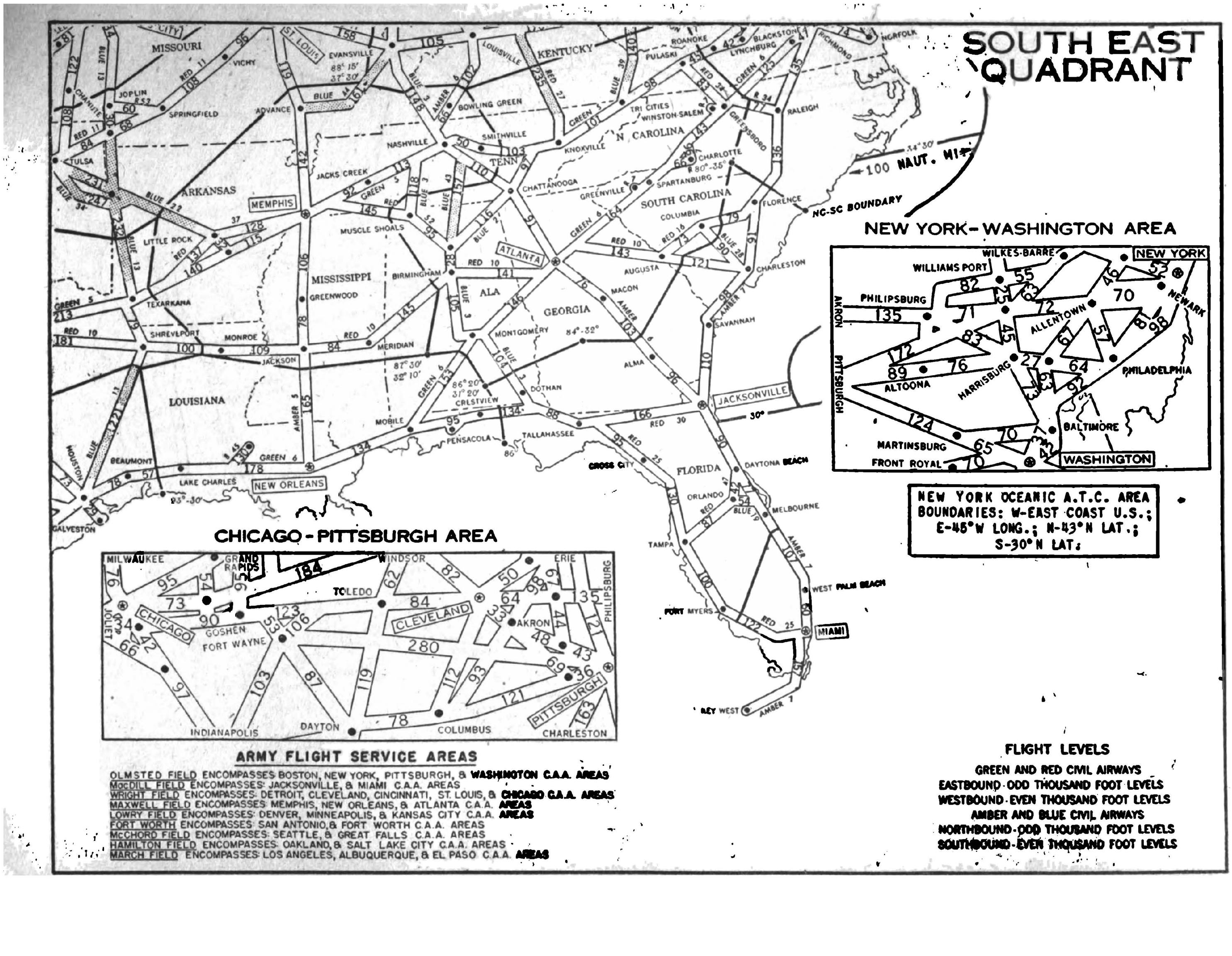
CIVIL AIRWAYS AND MILEAGE CHART

INCLUDING UNITED STATES AND CANADIAN FLIGHT ADVISORY AND TRAFFIC CONTROL AREAS

CIVIL AERONAUTICS ADMINISTRATION
DEPARTMENT OF COMMERCE
WASHINGTON, D. C.



SOUTH EAST QUADRANT



NEW YORK-WASHINGTON AREA

NEW YORK OCEANIC A.T.C. AREA BOUNDARIES: W-EAST COAST U.S.; E-45°W LONG.; N-43°N LAT.; S-30°N LAT.

CHICAGO-PITTSBURGH AREA

ARMY FLIGHT SERVICE AREAS

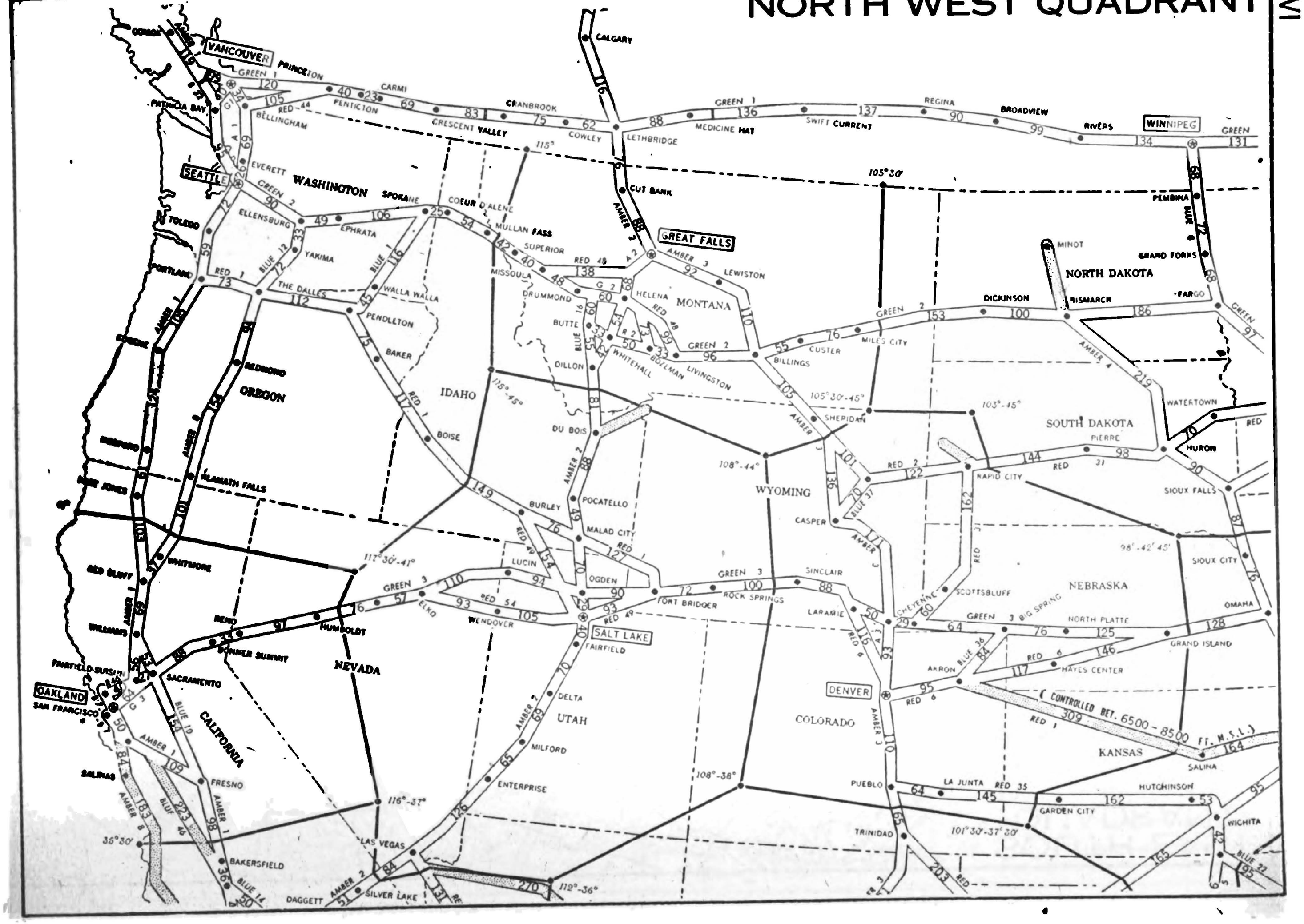
OLMSTED FIELD ENCOMPASSES BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C.A.A. AREAS
MacDILL FIELD ENCOMPASSES: JACKSONVILLE, & MIAMI C.A.A. AREAS
WRIGHT FIELD ENCOMPASSES: DETROIT, CLEVELAND, CINCINNATI, ST. LOUIS, & CHICAGO C.A.A. AREAS
MAXWELL FIELD ENCOMPASSES: MEMPHIS, NEW ORLEANS, & ATLANTA C.A.A. AREAS
LOWRY FIELD ENCOMPASSES: DENVER, MINNEAPOLIS, & KANSAS CITY C.A.A. AREAS
FORT WORTH ENCOMPASSES: SAN ANTONIO, & FORT WORTH C.A.A. AREAS
McCHORD FIELD ENCOMPASSES: SEATTLE, & GREAT FALLS C.A.A. AREAS
HAMILTON FIELD ENCOMPASSES: OAKLAND, & SALT LAKE CITY C.A.A. AREAS
MARCH FIELD ENCOMPASSES: LOS ANGELES, ALBUQUERQUE, & EL PASO C.A.A. AREAS

FLIGHT LEVELS

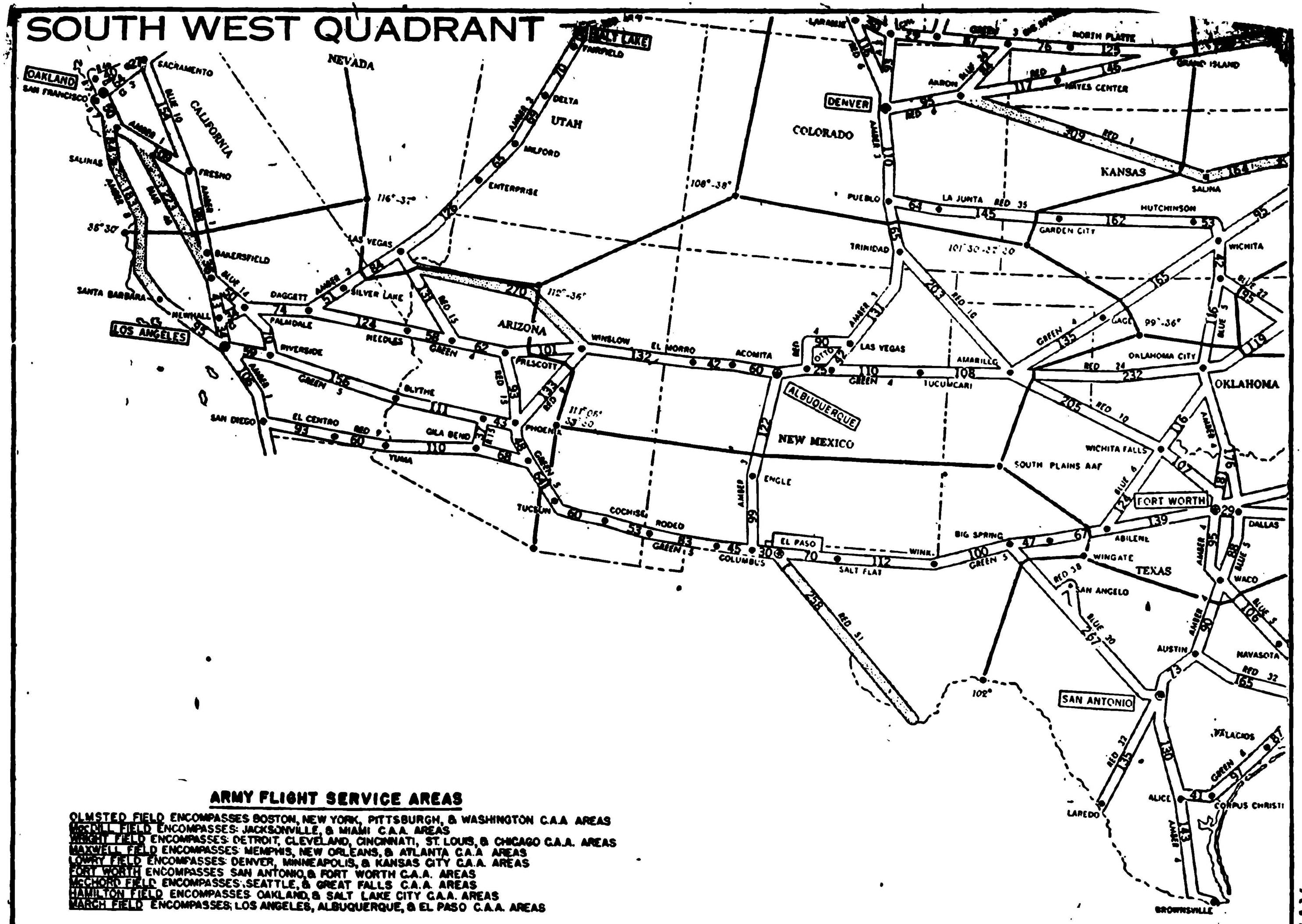
GREEN AND RED CIVIL AIRWAYS
EASTBOUND-ODD THOUSAND FOOT LEVELS
WESTBOUND-EVEN THOUSAND FOOT LEVELS
AMBER AND BLUE CIVIL AIRWAYS
NORTHBOUND-ODD THOUSAND FOOT LEVELS
SOUTHBOUND-EVEN THOUSAND FOOT LEVELS

NORTH WEST QUADRANT

XVI



SOUTH WEST QUADRANT



ARMY FLIGHT SERVICE AREAS

OLMSTED FIELD ENCOMPASSES BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C.A.A. AREAS
MACDILL FIELD ENCOMPASSES: JACKSONVILLE, & MIAMI C.A.A. AREAS
WRIGHT FIELD ENCOMPASSES: DETROIT, CLEVELAND, CINCINNATI, ST. LOUIS, & CHICAGO C.A.A. AREAS
MAXWELL FIELD ENCOMPASSES: MEMPHIS, NEW ORLEANS, & ATLANTA C.A.A AREAS
LOWRY FIELD ENCOMPASSES: DENVER, MINNEAPOLIS, & KANSAS CITY C.A.A. AREAS
FORT WORTH ENCOMPASSES SAN ANTONIO & FORT WORTH C.A.A. AREAS
MCCHORD FIELD ENCOMPASSES: SEATTLE, & GREAT FALLS C.A.A. AREAS
HAMILTON FIELD ENCOMPASSES OAKLAND, & SALT LAKE CITY C.A.A. AREAS
MARCH FIELD ENCOMPASSES; LOS ANGELES, ALBUQUERQUE, & EL PASO C.A.A. AREAS

FLIGHT PLANNING CHARTS

LEGEND

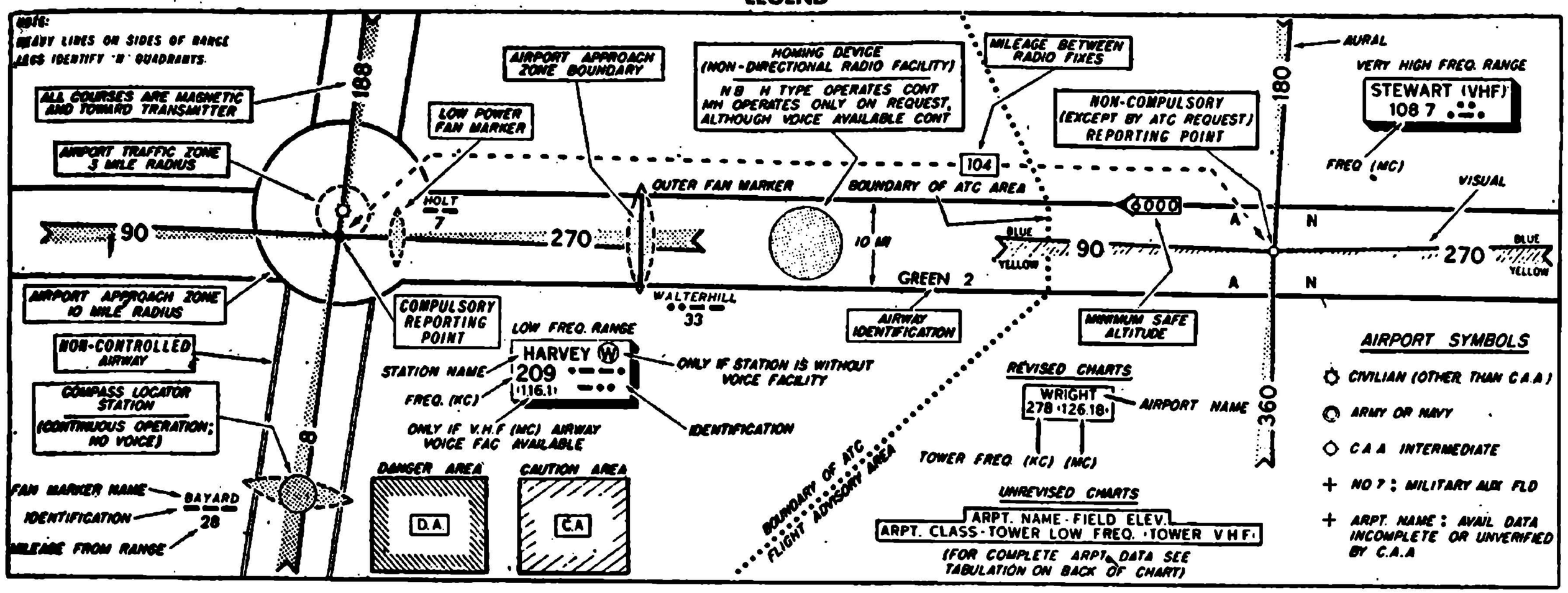


CHART CONTENTS

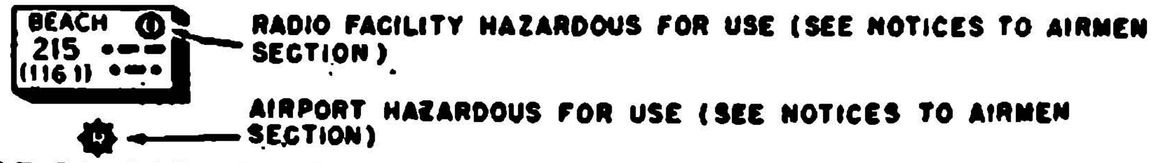
The Flight Planning Charts, in addition to the warning Ⓡ and caution Ⓞ symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages: (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways. These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE & USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled Ⓡ or Ⓞ items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes - all major ones, such as new fields, abandoned fields, range frequency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol Ⓡ for red or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol Ⓞ for orange, or caution.



RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

Warning

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

SEATTLE

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°,7.5	Tillamook NAS
EUGENE (Mahlon Sweet)	251 (EU)(116.1)	SBRAZ-VDT,150°,4.5	(4):116.1
PORTLAND (AAB)	332 (PD) (116.1)	SBRAZ-VDT,171°,3.1	(3):116.1
PORTLAND LFM	(- -)	LFM, 76°, 1.6	Portland
REDMOND (Roberts)	368 (RG)	SBRAZ-DT 101°,4.3	(4)
THE DALLES	230 (ND)(116.1)	SBRAZ-VDT,251°,2.8	(4).116.1
TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105,4495
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3); 142.74 (8-1630)
WILLAMETTE FM	(- - -)	FM, 76°, 20.6	Portland

WASHINGTON

BELLINGHAM	209 (I I)(116.1)	SBRAZ-VDT,114°,3.3	(4):116.1
CAMANO ISL, FM (Navy)	(- -)	FM,123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 62	Seattle
EASTON (Int.)	278 (TP)	MHT	(4)
ELLENSBURG (Bowers)	385 (EB)	SBMRAZ-DT,270°,2	(4)
EVERETT (Paine)	224 (MI)(116.1)	BMRLZ-VDT,330°,3.1	(4);116.1
HOBART FM	(- -)	FM, 88°,15	Seattle
KELSO	266 (HP)	MHT	(4)
LAKEVIEW FM	(- - -)	FM, 175°,25.5	Seattle
McCHORD,(Tacoma)(Army)	272 (DTA)	BMRL; 26°, 1.7	
MONROE FM			DECOMMISSIONED
MOUNT VERNON OLF	3295 (126.18) (142.74)	CN	3105;4495;126.18,142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
SEATTLE (King County)	260 (SA)(116.1)	SBRAZ-VDTX,296°,3.3	(3):116.1
STEVENSON	347 (LZ)	MHT	(4)
STEVENSON,FM.	(. . -)	FM;63°,32	Portland
TOLEDO (Int.)	239 (GL)(116.1)	BMRLZ-VDT,236°,3	(4); 116 1
WASHOUGAL FM	(-)	FM, 63°,17.5	Portland, Oregon
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74) (126.18)	CN, 303°,3.5	(3):142.74,126.18.Tr.and gds 116.1,140.58 req.(GCA)
WHIDBEY ISL. NAS (Navy)	522 (K)	MH	(4) Cont.
Whidbey Island NAS (Seaplane)	2870 (142.74)	CN	(3),3155;142.74 (24 hrs advance notice)
WOODLAND FM	(- - - -)	FM, 331°,23	Portland, Oregon
YAKIMA	320 (YA)(116.1)	BMRLZ-VDT	(3): 116.1
Yakima County Arpt.	278 (118.5)	C;267°,4.7	(4):118.5,131.9,142.74

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3) 3105 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice +- Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — OREGON

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW;RR E	210	33	Brush N.
Albany	2.5 NE;RR NW	235	26 S6	80 oct.Poles W, SW.
★ Arlington Int,12B,PD-SM	1.4 ENE; riv NW	872	50 L3	
Bend (new)	5.5 ENE;hwy S	3429	40 S6	80 oct Pwrline SE.Use strips.
Bend (old) (NC)	7.8 N; hwy E	3350	44	Poleline W, NW.
Clatsop Co.(Astoria)	3.5 W;riv E	10	57h	
Coastway School of Aeronautics (Tillamook)	1.4 E;hwy W	55	29 S2	80 oct.
Corvallis	4.9 SSW; RR E	235	52h S6	80,91 oct.
Corvallis Junction	1.3 NNE;RR W	240	20 S6	80, 91 oct.No sto.
Dallas (new)	1.2 N;RR S	400	23 S1	80 oct. Poles WSW
Dallas (old)(NC)	1.6 E;RR S	300	23	UNUSABLE;Under cultivation.
Eugene Airpark	1.6 SW;rd W	420	28 S6	73,80 oct.
Harrisburg	2 NNE; RR E; W	300	25 S1	80 oct
Hood River	2.5 S;riv E	605	19 S1	Ltd fuel.lgt acft only
Langmack (Sweet Home)	2 E;hwy N	550	24 S1	80 oct. Poles W
Lebanon	1.3 SW;RR E	340	21 S4	80 oct,
(A)Madras (A)	2 NNW;RR SE	2420	74h	C-L-O-S-E-D.
MAHLON SWEET(Eugene)	8 NW; RR NE	365	52h R1 L5	

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page xiii) (NC)-Not charted.

OREGON

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
McMinnville	3.1 ESE;hwy W	156	50h S4	80,91 oct.
McNARY (Salem)	2.2 SSE;RR SW	207	55h L5 S4	80 oct.;91 oct,emerg.No sto
(P) Newport	4 S;ocean W	160	51h L5 S4	80 oct. No sto. lgts on req.
Prineville	2.9 SW;hwy SW	3240	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW;RR E	195	23 S1	80 oct.Cattle on fld.
(P) Roberts (Redmond)	1.5 SE;hwy N	3075	70h R1 S4	80,91 oct.
Santiam Junction Flgt Strip (Idanha) (NC)	21.5 SSE;hwys N	4000	30	Trees W,E.
Sky Haven (Brooks)	1.6 NE;RR W	180	17 S1	Ltd 80 oct.
(P) The Dalles	1.7 NE	239	51h R1 L5 S6	80,91 oct.
(N) Tillamook NAS (N)	3 SE; riv N	35	50h R2 L5 S4	91 oct.Used by LTA;HTA.
Vernonia (NC)	2.4 WSW;riv S	620	29	
Wasco	0.4 E;RR SW	1420	18 S1	Ltd 80 oct.
Willsheron(Sheridan)	2.1 SSW;RR NNE	275	15 S1	80 oct.
Willamette Arpk(Eugene)	4.8 W	420	25 S1	80 oct.

WASHINGTON

(N) Arlington NAAS (N)	3 SW;hwy W	129	50h	INACTIVE.
Barker & Dean (Mt. Vernon)	2.2 S;RR,riv W	4	20 S4	73,80 oct.No sto.Trees N.
BELLINGHAM	4.5 NW;hwy E	158	50h R1 L5 S4	73 oct. No sto.Fld lgts prior req,ARPT OF ENTRY
Blaine	0.5 E;RR W	15	18 S1	80 oct.
(P) Bowers (Ellensburg)	2.5 NE;hwy S	1767	59h R1 L5 S6	80 oct.Ctc lgts prior req.
Bowers Aux.(Ellensburg)	8.6 NNW	2140	30	
Cameron (Kittitas)	0.5 N;RR S	1650	26 S2	80 oct.
(P) Chehalis Co.-City	0.6 NW;RR E	174	50h S6	80 oct,No sto.
Clallam County (Port Angeles)	2.9 WNW;RR NW	290	52h S2	80 oct.
Cle Elum	2.4 E;hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW	110	33 S4	80 oct.Pole lines ESE,WNW ARPT OF ENTRY.
(N) Coupeville OLF (N)	2 SE	193	54h	
★ Easton Int,5B,SA-HL	1.7 NNW;RR SW	2221	30 R1 L2	Trees, mtns WNW.
Everett	2.7 NNE;riv N	15	21 S4	80 oct, 30' hangar W.
(P) Fancher (Wenatchee)	2.5 NE;riv W	1440	33h L3 S6	80 oct.Fld lgts prior req.
Forks (NC)	1 SW;rd S	286	23	75' trees E.HAZARDOUS.
Goldendale (NC)	0.6 SE;RR W	1600	20	Poleline E,SE.Ditch center
Ilwaco	1.5 ENE;riv S	8	20 S2	80 oct. HAZARDOUS
Intercity,USFS (Winthrop	4 SSE;riv SW	1650	32 S1	73,91 oct.Mtns SE.
Kelso,61A,SF-SA	1.4 S;RR SW	25	29 R1 L3 S6	80 oct.
Kenmore, (Botnell) (NC)	2.3 NW;rd E	420	17	12-14 brush NNE,SSW.
(P) Moon Island (Aberdeen)	6 W;harb. N,S	14	50h L5 S6	80,91 oct.
(N) Mt.Vernon OLF (N)	5 NW;RR S	146	53h R1	Pole line N,CLOSED
Olympia	4.5 S;hwy E	190	50h S4	80 oct.Trees W.
Orcas Island (E.Sound)	0.7 N;hwy E	25	12 S1	73,91 oct
Paine (Everett)	6.5 SW;hwy NE	598	65h R1 L5 S6	80 oct.Fld lgts prior req.
PANGBORN(Wenatchee)	5.3 ESE;hwy S	1246	46h L5	Contact lgts prior req.
Pasayten.USFS (Winthrop)(NC)	38 NW;riv E	4250	28	Use in emerg.only, to public
(CG) Port Angeles CGAS(CG)	2 NNE	13	45h R1 L5 S1	91,100 oct,Lgts prior req.
Randle,USFS (NC)	1 ESE;riv S	940	13	Pwr line WSW.Cattle on fld.
Quillayute	0.7 NNW;8 W Forks	195	50h	
Shelton	2.5 NW;hwy ENE	278	52h	Tower NW.
Skagit Valley Air Svc. (Burlington)	0.7 S;RR E	35	20 S1	80 oct,Stack N.
Snohomish	0.9 SW;RR N	16	33 S6	80 oct,Poles,trees ESE.
Snoqualmie Pass (North Bend)(NC)	3.5 ESE;hwy S	680	19	Trees WNW,ESE.
★ Toledo Int,63B,SF-SA	3 NE;riv S	371	50h R1 L3 S1	80,91 oct.
Toppenish	3.2 SSW;hwy E	835	32 S5	80 oct,
Twisp	1.9 SE;riv S	1620	19 S1	80 oct,Trees,hills WNW.
Westport (NC)	0.5 N;harbor E	5	18 S1	80 oct.
(N) Whidbey Island NAS	3 NW Oak Harbor	17	70h R2 L6 S2	91,100 oct. (N)
YAKIMA COUNTY	2.8 SSW	1058	50h R2 L5 S6	73,80,100 oct.Poleline S.

→ NEW OR REVISED DATA

2 SEATTLE

Ⓞ: USABLE WITH CAUTION
Ⓡ: EXTREMELY HAZARDOUS

COMPULSORY REPORTING POINT ⊕
NON-COMPULSORY REPORTING POINT ⊕
(EXCEPT BY ATC REQUEST)

ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA

INTERCITY ○
TWISP ○

BOUNDARY LINES OF STATES OR PROVINCES

STATUTE MILES

BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS. WHIDBEY-AULT 278 (142.74, 126.18)
MOUNT VERNON OLF
SKAGIT VALLEY
BARKER & DEAN
NAS. WHIDBEY IS 522
NAS. WHIDBEY IS 2870 (142.74)
NAS. WHIDBEY IS. 353
CGAS. PORT ANGELES 3295 (142.74)
NAAS. ARLINGTON
COUPEVILLE OLF
EVERETT 224 (116.1)
CLALLAM CO
DUNGENESS 62
QUILLAYUTE
COUNTY-CITY
PAINE
SNOHOMISH
MONROE
SEATTLE 260 (116.1)
McCHORD AAF 272
On request
EASTON 278
HOBART
FANCHER
PANGBORN
EASTON
EASTON 37
CLE ELUM
BOWERS AUX
SHELTON
LAKEVIEW 26
BOWERS
CAMERON
OLYMPIA
MOON IS
WESTPORT
ELLENSBURG 385
FOR DETAILS IN THE PORTLAND AND SEATTLE AREAS SEE CHART 142
YAKIMA CO. 278 (118.5)
TOLEDO
TOLEDO 239 (116.1)
YAKIMA 320 (116.1)
TOP PENSCO
ILWACO
CLATSOP CO.
WASH.
ORE.
KELSO
On request
KELSO 266
WOODLAND 23
On request
STEVENSON 347
STEVENSON 32
WASHOUGAL
HOOD RIVER
ARLINGTON
WASH. 1 D.A.
BAY OCEAN
PORTLAND
PORTLAND 332 (116.1)
COASTWAY AERO.
NAS. TILLAMOOK 520
NAS. TILLAMOOK 278 (142.74)
WILLAMETTE 21
THE DALLES
THE DALLES 230 (116.1)
McMINNVILLE
WILLSHERON
SKY HAVEN
McNARY
DALLAS
RAY ADAMS
NEWPORT
ALBANY
CORVALLIS JCT.
CORVALLIS
LEBANON
LANGMACK
EUGENE 251 (116.1)
REDMOND 368
MADRAS
ROBERTS
PRINEVILLE
HARRISBURG
MAHLON SWEET
WILLAMETTO
EUGENE
MEDFORD
BEND (NDW) 121
CHEMULT
MEDFORD 19

SPOKANE 3

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS Q USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

DOROTHY SCOTT
TONASKET
OKANOGAN No. 1
OKANOGAN-LEGION
COLVILLE
NEWPORT
HAFER'S
DEER PARK
SPOKANE 365
COEUR D'ALENE 347
SANDPOINT
EUREKA
LIBBY
ANDERSON
CALKINS AIR TERMINAL
CHELAN
EPHRATA 269
DAVENPORT
FELTS 278 (118.5)
SPOKANE AAF 245 (126.1)
COEUR D'ALENE AIR TERMINAL
THOMPSON FALLS
JZ
WILBUR
COULEE CITY
EPHRATA
HARRINGTON
SAVAGE
GEIGER AAF
SPRAGUE
HARRINGTON
WEEKS
LE MEN
ROSALIA
ST MARIES
KELLOGG
MOSES LAKE AAF
RITZVILLE
TEKOA FLY CLUB
MULLAN PASS 206
LIND
LA CROSSE
WASHTUCNA
PULLMAN-MOSCOW REGIONAL
WASH. 5 D.A.
CONNELL
WASH. 8 D.A.
ASOTIN CO
OROFINO
TOUCHET VALLEY
WALLA WALLA 212 (116.1)
LEWISTON
SUNNYSIDE
NAS PASCO
RICHLAND
PROSSER
VISTA
TWIN CITY
MARTIN
KAMIAH
WALLA WALLA AAF 396 (116.1, 126.15)
SKY RANCH
WASH.
ORE
PENDLETON 278 (116.7)
OREGON SKY RANCH
IDAHO CO
HERMISTON
BOARDMAN
CABBAGE HILL
PENDLETON AWYS SER
ENTERPRISE
JOSEPH
LEXINGTON
LA GRANDE
On request
LA GRANDE 329
PENDLETON 341 (116.1)
PILOT ROCK
LA GRANDE
ORE
IDAHO
McCALL
BAKER 221 (116.1)
JOHN DAY
BAKER
WEISER
CASCADE
On request
ONTARIO 382
PAYETTE
PAYETTE
ONTARIO
BOISE 350

TO ELLENSBURG
TO THE DALLES
TO SUPERIOR
GREAT FALLS 6
GREAT FALLS SEATTLE
SEATTLE 2
SEATTLE SALT LAKE CITY
ELKO 22
WASH.
IDAHO
MONT.
IDAHO
MONT
ORE
IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
IDAHO			
COEUR D'ALENE (Air Term.)	347 (KO)	BMRLZ-DT;321°,5.2	(4)
PAYETTE FM	(. . - - - -)	FM; 301°, 49	Boise.
MONTANA			
MULLAN PASS	206 (MN)	BMRLZ-DT	(4)
OREGON			
BAKER	221(BK)(116.1)	SBRAZ-VDT;116°,2.1	(4); 116.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
LA GRANDE	329 (IU)	MHT	(4)
LA GRANDE FM	(- - - -)	FM; 300°,38	Baker
ONTARIO	382 (OO)	MHT	(4)
PENDLETON	341 (PO)(116.1)	SBRAZ-VDT	(3):116.1
Pendleton Field	278 (118.7)	C; 247°, 2.3	(4);131.9,126.18,118.7
WASHINGTON			
EPHRATA	269 (EP)	BMRLZ-DT;336°,3.9	(4)
FELTS (Spokane)	278 (118.5)	C	(4);118.5,126.18,131.6
HARRINGTON FM	(- - - -)	FM; 236°, 45.3	Spokane
SPOKANE (Felts)	365 (SM)	SBRAZ-DT;332°,1	(3)
SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
WALLA WALLA	212 (WL)(116.1)	SBMRLZ-VDT	(4) :116.1
Walla Walla AAF	396(126.18,116.1)	CA :182°, 4	(4):126.18,116.1 (7-24)

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + – Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
IDAHO				
Cascade	1 E; rd N	4765	29 S2	80 oct. Pole line NW.
Cayuse Creek, USFS (NC)	40 ENE Pierce	3700	23	
Chamberlain, USFS (Dixie)(NC)	17.6 SE	5765	21	Maintained May to Nov.
(P) Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50' poles S.
Dixie, USFS (NC)	4 SW; creek E	5200	28	Obst N,E,S.
Idaho Co. (Grangeville)	0.9 N;rd W	3295	44 S2	80 oct.20' pole line W.
Kamiah	0.6 SE;RR E	1194	28	Rough. Trees NNW.
* Kellogg Int,29B,SA-HL	0.8 NW;riv N	2300	38 L3 S4	73 oct. 10' dike W.
Landmark,USFS (Knox) (NC)	7.7 ESE	6680	15	Maintained June to Nov.
(P) Lewiston	2 S;riv NW	1426	50h L	Port rnwy lgts.
McCall	1 S,RR W	5021	23 S4	80 oct. Trees W.
Orofino	1.3 W,riv NE	1000	24 S1	80 oct.1000' mtns WNW, ENE.
Payette	2 NE:RR W	2200	35	Road crosses fld SE.
Priest River (NC)	0.9 NNW,RR S	2165	21	Trees E; hill W.
St. Maries	1.2 NW,hwy S	2132	23	
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct.No sto.Pole line W.
Tekoa Flying Club (Tensed)	5 NNW,crk N	2650	18 S2	80 oct.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
Weiser	2.8 S,RR NE	2120	34 S2	73 oct.
MONTANA				
Eureka	2.7 NNW,RR N	2680	20	
Libby, USFS	1 NE;riv S,E,W	2090	30	Mtns sur fld.
Thompson Falls	3.2 ESE,RR N	2460	25	Mtns E,S.
OREGON				
(P) Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80 oct. No sto.
Boardman Flight Strip	5.6 WSW,RR N	378	42h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
OREGON				
Enterprise	1.4 WNW;RR SW	3750	34	Hwy SW.
Hermiston	1.7 SE,riv N	635	23 S1	80 oct.
Hug's (Elgin) (NC)	0.8 N;RR E	2670	14	
(P) Joseph	1.2 W;RR E	4150	33 S2	80 oct.
La Grande	5.5 ESE,RR SW	2713	47h R1 L2 S6	80 oct.
Lexington	0.7 N;hwy E	1650	30 S1	80 oct. RR SW
(P) Ontario	2.5 W;hwy E	2190	45h R1 L3 S6	80 oct.
Oregon Sky Ranch (Milton)	3.7 SSW,RR E	1300	20 S6	73,80 oct.
PENDLETON	3 WNW,hwy S	1492	63h R2 L5	
Pendleton Airways Inc.(Pendleton)	3.8 ESE,RR N	1200	37 S6	80,91 oct. Pole line E.
Pilot Rock	0.8 E,hwy N	1780	25 S2	80 oct.
WASHINGTON				
Asotin Co. (Clarkston)	0.6 N	760	34 S6	80,91 oct. Mtn 1 mi. W.
Anderson (Pateros)	1.6 SSW,RR N	1100	16	Mtns NW.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct. Trees 200' W.
(P) Chelan	4.7 NE;riv E	1250	34 S2	Fuel. Hills W,N,S.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
Connell	1.2 SSW,RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW,hwy S	2425	28 S1	80 oct. Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
(P) Dorothy Scott (Oroville)	3 NNE;lake W	1150	40 S1	73 oct. 2000' mtn S.
Ephrata	2 SE,hwy NW	1258	73h R1 S6	80 oct.
Fairweather (Republic) (NC)	0.8 S;riv E	2500	20	Trees N,S.
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91 oct. ARPT OF ENTRY.
(A) Geiger (Spokane) (A)	6.5 SW;hwy N	2354	82h	INACTIVE.
Hafer's Ranch (Chewelah)	3.6 SSW;RR E	1700	18	
* Harrington Int,19,SA-HL	1 NNW;hwy E	2305	32 L3	
"JZ" (Almira)	1 NNW;RR SW	1950	21	
La Crosse,28B, PD-SM	2.5 SW;RR NW	1459	37 L3 S1	80 oct. RR E.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct. No sto. Pole line NNE.
(P) Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Place)	1.5 WSW,RR N	750	24 S6	80,91 oct. No sto.Trees ENE.
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	INACTIVE.
Newport	1 W;riv NE	2150	29 S2	No fuel. Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	24 S1	80 oct. Posts NE.
Okanogan Flight Strip (Omak)	4 N	1298	47h	
(N) Pasco NAS (N)	2.8 NNW,RR E	402	47h	INACTIVE.
Prosser	1.4 NW;riv SE	685	40 S6	80,91 oct. Trees W.
(P) Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct.
Richland	1.3 SSE,riv NE	365	23 S1	80 oct. Riv SE.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct. Pwrline,bldgs NE.
Rosalia	2.6 W	2180	26 S1	80 oct. Hill NE.
Savage (Cheney)	0.7 WSW;RR SE	2400	24 S1	80 oct.
Sky Ranch (College Place)	1 E;RR S	800	30 S1	80 oct. Pwr line WSW.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct. JP-1.No sto.
Sprague	0.7 NE;RR S	2000	21	
Sullivan Lake (Metaline Falls)	4 ESE;lake S	2590	21	Road crosses fld-caution.(NC)
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	31 S1	80 oct. Pwr line SSW.
Touchet Valley (Huntsville)(NC)	0.5 NE;RR S	1400	19	Trees,pole line WSW.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
Vista (Kennewick)	4.5 W;rivs NW	516	35h	
Wallace (Mead)(NC)	2 W;RR E	1935	26	40' trees NE.
(A) WALLA WALLA AAF (A)	3 NE;hwy S	1205	72h R2	CLOSED
Washtucna	1 S;RR SE,NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct. Pole line NE.

GREAT FALLS

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388 (DZ)	SBRAZ-DT, 332°,1.7	(4)

MONTANA

ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
→ BOZEMAN (Gallatin)	329 (BL) (116.1)	SBMRAZ-VDT,319°,0.8	(4);116.1
BUTTE	233 (BT)	BMRLZ-DT,99°,16.1	(4)
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV)	SBRAZ-DT,327°,3.1	(4)
DILLON (Int.)	379 (DE)	BMRLZ-DT,167°,2	(4)
DRUMMOND (Int.)	296 (DR)	SBMRAZ-DT,185°,1.4	(4)
GREAT FALLS	317 (GT)	SBRAZ-DT	(3)
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.9	(4);126.18,131.9,118.7
GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371 (HL)	SBMRAZ-DT,252°,1.9	(4)
HOMESTAKE FM	(- -)	FM, 990°, 21	Butte
LIVINGSTON (Int.)	224 (LT)	SBMRAZ-DT,247°,2	(4)
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308 (MX)(116.1)	SBMRAZ-VDT,120°,1.5	(4); 116.1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254 (SP)	BMRLZ-DT,275°,0.1	(4)
WHITEHALL (Int.)	284 (WW)	SBRAZ-DT,183°,2.3	(4)
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker (3) 3188, 4495, 6210 kcs (4) 3185, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Columns Indicate VHF Voice + - Army ACS transmits on and guards 116.1, 127.85 140.50 mcs

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs (NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
(P) Challis	1.2 NNE;hwy E	5000	34 S1	73,80 oct.
Dubois ,23,SL-GT	0.8 SSE	5123	48 R1 L3	30 pole W.
Flying R (Lake)	2.8 SE;lake W	6630	34 S1	Ltd 73 oct.
Moose Creek,USFS (Red Riv.Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld, (NC)
Salmon	4 S;riv W	4045	40 S2	80 oct.Mtns NE.

MONTANA

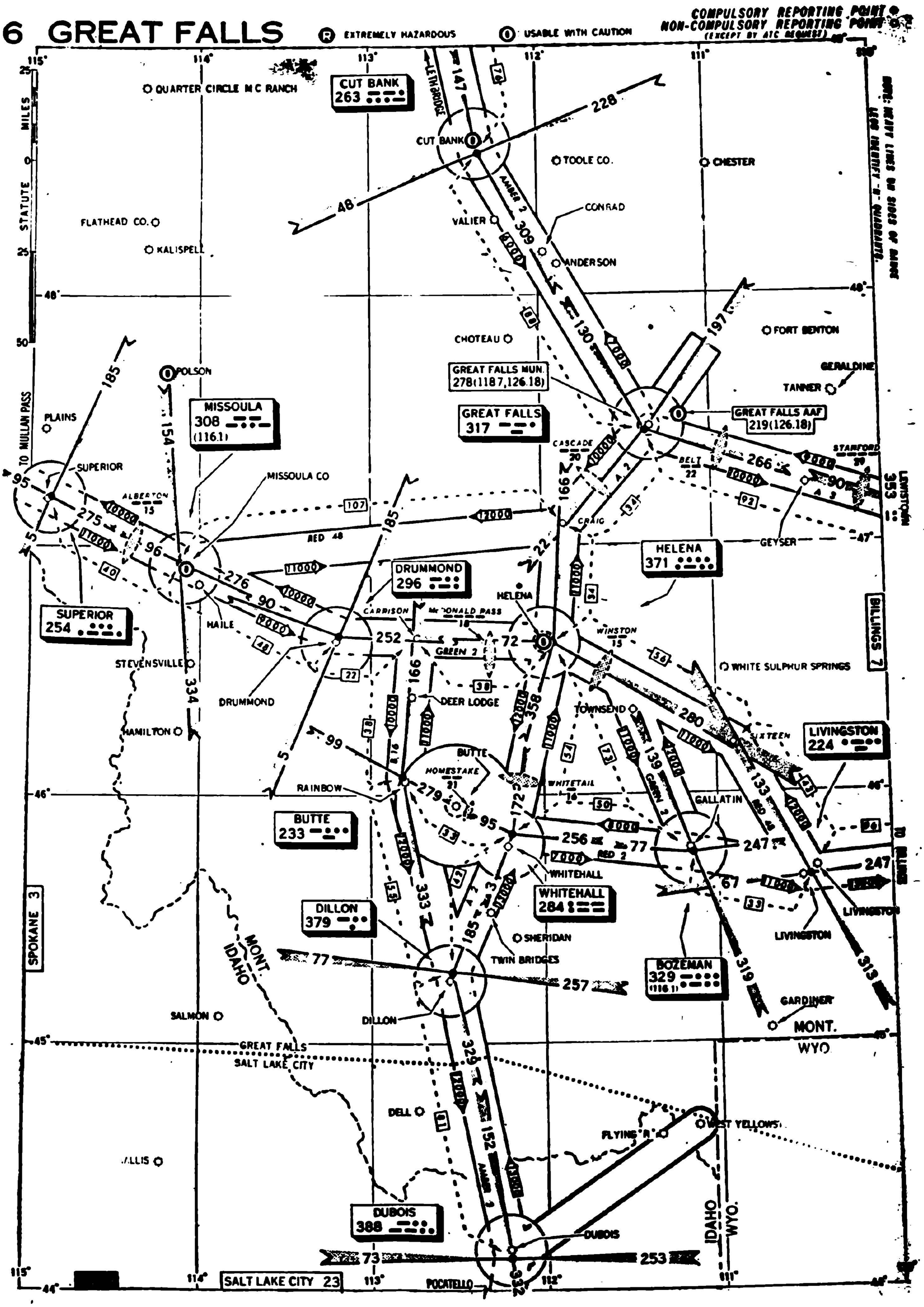
Anderson (Conrad)	4.8 SE;RR W	3730	16	PRIVATE.
Basin Creek (Flathead Nat'l Forest)(NC)	56 NE Missoula	4900	21	Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	57 NE Missoula	4650	22	Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	58 SE Kalispell	4200	22	Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25	(NC)
(P) BUTTE	4 S;RR W,N	5553	56h R1 L5 S4	80,91 oct.
Chester	1.5 NW;RR S	3150	44	
(P) Choteau	1.2 NNE;RR W	3810	39 S4	80 oct.
Condon (Flathead Nat'l Forest)(NC)	48 NNE Missoula	3690	25	
Conrad	1.1 W; creek S	3530	32 S1	80 oct.
CUT BANK	3 SW;riv 1 E	3899	87h R1 L5 S6	80 oct. ARPT OF ENTRY.
(P) Deer Lodge	1.5 W;RR E	4700	38 S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6008	70h L2	
★ Dillon Int,32, SL-GT	4.6 ENE;riv 2 W	5238	38 R1 L3 S1	80 oct.

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int.44B. SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	
(P) Flathead Co.(Kalispell)	7.4 NNE;RR E	2690	47h L2 S1	80 oct.All lgts prior req.
Fort Benton	1.3 NE;RR SE	2870	27	Poles NW.Soft when wet.
Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80-100 oct.
Gates Park,USFS(NC)	35 W Choteau	5400	26	Sur by mtns.Closed to public
Geraldine Mun.	0.5 S;RR NE	3200	17 S1	Ltd 73 oct.
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
GREAT FALLS	3.5 WSW;RR E	3664	70h R2 L5 S6	80,91 oct.ARPT.OP ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3459	89h R1 L5 S6	73,91,100 oct.IP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3200	38 L4 S6	73 oct.All lgts prior req.
Hamilton	1.3 ENE;hwy W	3640	24 S6	80 oct.Pole line S.
(P) HELENA	2.5 ENE;hwy W	3894	55h R1 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	58 NE Missoula	4575	20	Sur by mtns.Closed to public
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.Poles NW.
Livingston	6 ENE;RR N,W	4656	62 S1	80 oct.
★ " Int,10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3	Poles S.
Meadow Creek (Flathead Nat'l Forest)	48 SE Kalispell	4000	22	(NC)
(P) MISSOULA COUNTY	5.3 WNW;RR N	3199	71h R1 L5 S2	73,91 oct.
Plains	1.3 NNW;RR E	2500	32 S4	80 oct.No sto.30' Poles NW,NE.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	26 S1	73 oct.Ski-equipped acft only. Nov. thru April.
Rainbow Skyport (Gregson)	0.7 N;RR E,S	5030	40 S1	80 oct
Schaeffer (Flathead Nat'l Forest)(NC)	50 ESE Kalispell	4855	24	Sur by mtns.
Seeley Lake (NC)	1.5 WNW;lake SE	4150	20	Trees NW.
Sheridan	1.5 SE;RR W	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat'l Forest)(NC)	39 SE Kalispell	3800	22	
Stevensville	2 ENE;riv 2 W	3620	30 S2	73 oct.
★ Superior Int,36B,SA-HL	1 S;RR SW	2700	35 R1 L2	Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L2 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	38	
(P) Valier	0.6 S;lake S	3820	35	Caution when wet.
West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld.
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.
Gardiner	1 NNW;RR S	6200	22	

h-hard surfaced runways. R-radio facilities. L-lighting facilities S-servicing. (see page XIII) (NC)-Not charted. → NEW OR REVISED DATA

6 GREAT FALLS



BILLINGS 7

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

E: EXTREMELY HAZARDOUS U: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

110° 109° 108° 107° 106° 105°

49° 48° 47° 46° 45°

STATUTE MILES 25 0 25 50

HAVRE CITY CO.
HARLEM
MALTA AIRPK.
ETCHART
VALLEY CO.
SCOBEY
GUSTAFSON-ANDERSON
WOLF POINT
FORT PECK
VINE
CIRCLE
BISMARCK 10
GREAT FALLS 6
TO GREAT FALLS
DENTON
LEWISTOWN
MOORE
FOREST GROVE
LEWISTOWN 353 (116.1)
HARLOWTON
LAVINA
BILLINGS 400 (116.1)
CUSTER R 215 (116.1)
MILES CITY
MILDRED
TO DICKINSON
CUSTER
NIBBE 25
FORSYTH
MILES CITY 320 (116.1)
RAPALJE
BILLINGS 278 (118.7)
BIG TIMBER
LIVINGSTON 224
COLUMBUS
PARK CITY 21
BILLINGS
ZELKA
ST. XAVIER
MINNEAPOLIS GREAT FALLS
MONT. WYO.
POWELL
COWLEY-LOVELL-BYRON
SHERIDAN CO.
SHERIDAN 2
SHERIDAN 239
DENVER
UCROSS 17
CODY
GREYBULL
BASIN
BUFFALO
GILLETTE MUN.
GILLETTE ARPK.
GREAT FALLS
SALT LAKE CITY
ROCK SPRINGS 26
CASPER 269
TO HIGHLIGHT

RADIO AIDS

MONTANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400(BI)(116.1)	SBRAZ-VDTX	(3);116.1
Billings Airport	278 (118.7)	C(ILS);247°,1.5	(4);118.7,126.18,131.9
BILLINGS LFM	(- ·/· -)	LFM, 247°, 6	Billings
CUSTER (Int.)	215(CU)(116.1)	BMRLZ-VDT,230°,2	(4); 116.1
LEWISTOWN	353(IT)(116.1)	SBRAZ-VDT,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-VDT,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 49°, 25.4	Billings
PARK CITY FM	(. . - - -)	FM, 247°, 21	Billings

WYOMING

SHERIDAN LFM	(- -)	LFM, 117°, 2.3	Sheridan
SHERIDAN	239 (ZY)	SBRAZ-DT,298°,1.8	(4)
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Billings, Mont.	110.3	335	253° Mag.	IM-	MM- ·--·(0.6)	OM- --(4.3)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simpl. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. +- Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Big Horn Co.(Hardin)	2.3 ESE,riv W	3000	31	(NC)
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW,hwy N	4450	43 L3	
(P)BILLINGS	2.5 NW,RR S	3612	57h R3 L6 S6	73,91,100 oct.
Bones Bros.Ranch (Birney)(NC)	2 ESE,crk W	3500	29	ROUGH
Chinook (NC)	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21	
(P)Columbus	1 ESE,RR N	3575	50 S1	80 oct,Poles W,E,NW.
★ Custer Int,25,HL-Twin Cities	2.3 E,riv NE	2868	42 R1 L3	
Denton	2.2 SSW,RR N	3850	26 S4	73 oct.
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct.Trees SE.
★ Forsyth Int,30,HL-Twin Cities	3 ENE,riv N	2722	30 L3	
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct.
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct.Poleline E.
Harlem	2.3 NNE,RR E	2560	24 S2	80 oct.
(P)Harlowton	2 WNW,riv S	4400	29 S2	73 oct.
(P)Havre-City-County	4 WSW,lake E	2589	48h S4	80 oct.ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
Jordan (NC)	1.8 WNW,rd S	2637	40	Road W
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	39 L3	
LEWISTOWN	2.5 SW,RRNW	4177	100h R1 L5S4	80 oct.
(P)Malta Airpark	0.8 SW,RR N	2270	31 S4	80 oct.Shrubs NW.No sto.
★ Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L2	
(P)MILES CITY	2.5 NW	2628	56h R1 L5 S6	73,91 oct. Hwy NE.
Poplar (NC)	0.8 N,RR S	1970	33	
(P)Rapelje	1 SE,RR N	4030	38	
Red Lodge (NC)	0.5 WNW	5600	29	ROUGH. Road N.
Roundup (NC)	1.9 N,hwy S	3500	37	Hwy W.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W
(P)Scobey	1 NW,RR S	2458	34 S1	80 oct.
Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)(NC)	2 W,hwy N	3002	18	

WYOMING

Basin	2.5 NE,riv E	3775	34	Hills adj E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	80, 91 oct. Hwy E.
Cody	2 ESE,riv N	5084	47 S6	73,91 oct.Hill E; pole line S.
Cowley-Lovell-Bryon	2 NNE,rd NW	4050	32	
(P)Gillette	5.2 NNW	4380	36 S2	73, 80 oct. Hwy E.
(P)Grey Bull	2 NW,hwy S	3900	44 S2	73 oct.
(P)Powell	8 NNW	5054	42 S2	73 oct.
(P)SHERIDAN COUNTY (Sheridan)	2 SSW,hwy E	3961	60h R1 L5 S6	80,91 oct.
Moore (Mont.)	0.5 E,RR N	4100	20 S2	73 oct.
Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S4	80 oct.Poles NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-VDT,260°, 2.3	(4): 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-VDT,167° 2.1	(4): 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
GOLVA (Int.)	266(GA)(116.1)	MHVT	(4): 116.1
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT (Port O'Minot)	209 (UI)	BMRLZ-DT,301°, 3.4	(4)
SOUTH DAKOTA			
PHILIP	206 (IL)	MHT	(4)
PIERRE	347(PX)	SBRAZ-DT,249°, 3.5	(4)
RAPID CITY	221 (RZ)	SBRAZ-DT	(4)
Rapid City AAB	396 (126.18)+	CA:345°,5.5	(4): 126.18
SPEARFISH (Black Hills Airport)	335 (SE)	HT	(4)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Baker	0.8 SSE,hwy N	2290	35 S2	80 oct. Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct. Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.
NORTH DAKOTA				
Beach	0.8 NNW	2814	30 S1	73 oct. RR W.
BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S4	73,80,91 oct. No sto.
Bowman	1.5 W,RR N	3000	24	
Chandler (Williston)	3 W,RR SE	1877	24 S6	80 oct.
(P) Crosby	1 N,RR SW	1962	33	
(P) Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3 S1	80 oct.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Dunseith (NC)	1.5 S	1715	26	
* Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
* Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 R1 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct. Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S1	80 oct. Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S2	73 oct. Polelines S.
New England	2.4 NE,hwy W	2666	24 S2	73,80 oct. Poleline W.
Parshall	1 S,RR N	1970	22	
(P) Port O'Minot (Minot)	1.6 NNE, hwy W	1724	58h R1 L5 S4	80,91 oct. No bcn. Pwr line SW.
Rhame	1.5 SW,RR NE	3150	23 S1	73 oct. Pole line S.
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct. Poleline N,NW.
* Washburn Int,4,RK-UI	5.1 N,hwy W	1905	40 L3	Pole line W.
(P) Watford City	1.2 ENE,hwy S	1975	31 S1	73 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct. Obsts N,E,S
Worth (Dickinson)	1.8 SW,riv NW	2455	28 S6	73 oct. Hangar NW.
Wright (Williston)	2 NNE	1876	32h S6	80,91 oct. Data unver.
Wyman (Mott)	1 S,dam N		30 S1	80 oct. Data unver.
SOUTH DAKOTA				
(P) Belle Fourche (NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	53 R1 S6	73, 91 oct. (Spearfish)
Geronime (Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct. Poles sur fld
Halley (Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
(P) Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct. Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct. Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct. No sto. Poleline N
PIERRE	3.5 NE,riv SE	1742	69h R1	
(A) Rapid City AAB (A)	8 NE,RR S	3216	83h R2 L5 S4	73,91,100 oct. JP-1.
Rushmore (Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.
Wynfordner (Lemmon)	1.3 NE,RR S	2580	26 S1	80 oct. Poleline NW.
Hettinger (N.D.)	1 NNW;RR S		28 S2	80 oct. Pole line N. Data unver.
Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E. ARPT OF ENTRY.

(P)-Paved surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data.

10 BISMARCK

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS INDICATE U.S. QUADRANTS.

105° 104° 103° 102° 101° 100° 49°

25 STATUTE MILES 0 25 50

CROSBY ○
PORTAL ○
PLENTYWOOD ○
MOHALL ○
RUGBY ○
TOWNER ○
PORT O'MINOT
MINOT 209
121
211
301
31
FARGO 11
WRIGHT
CHANDLER
WILLISTON
PARSHALL ○
MILLER ○
SIDNEY ⓘ
WATFORD CITY ○
102
167
ILO +
WASHBURN ○
GLENDIVE ○
DICKINSON 308 (116.1)
GLEN ULLIN
BISMARCK 230 (116.1)
47°
BEACH ○
GOLVA
WORTH
JUDSON 27
DRISCOLL 39
FARGO
MILES CITY 320
6000
69
GREEN 2
256
80
253
238
5000
753
100
GOLVA ⓘ 266 (116.1)
On request
NEW ENGLAND ○
DICKINSON
BISMARCK
158
135
BAKER ○
WYMAN +
REAME ○
BOWMAN ○
347
HETTINGER +
46°
N.D.
S.D.
MONT.
WYNFORDNER ○
BILLINGS 7
MOBRIDGE ○
MINNEAPOLIS
DENVER
MONT.
WYO.
SD
45°
BLACK HILLS
NEWELL ○
RUSHMORE
SPEARFISH 335 ⓘ
RAPID CITY 221
RAPID CITY AAB 396 (126.15)
GERONIME
HALLEY
HIGHLINE
122
165
168
PIERRE 347
HURON
144
246
66
PHILIP
PHILIP ⓘ 206
On request
PIERRE
CHEYENNE 27
105° 44° 45° 100°

FARGO 11

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

R EXTREMELY HAZARDOUS (EXCEPT BY ATC REQUEST)
① USABLE WITH CAUTION

49° 100° 99° N.D. 98° PEMBINA 97° 96° MINN. 95°

+ ROLLA
77
LANGDON
170
257
PEMBINA 260
3000
344
72
2000
170
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA
STATUTE 0 MILES 25 50
CANDO
DEVILS LAKE
THIEF RIVER FALLS
GRAND FORKS
48°
80
260
HARVEY
NEW ROCKFORD
MOHR
GRAND FORKS 278
BLUE 8
CROOKSTON
MINNEAPOLIS 14
MATHENY
165
350
160
68
JAMESTOWN
JAMESTOWN 344 (116.1)
VALLEY CITY
2000
3000
FARGO 365 (116.1)
WEST FARGO 6
47° DAWSON
4000
73
257
4000
80
260
PARK RAPIDS
DETROIT LAKES
BISMARCK 253
3000
GREEN 2
WHEATLAND 26
BISMARCK 230
186
FARGO 388 (118.7)
BARNESVILLE 26
3000
307
GREEN 2
ADENA
LISBON
ABERCROMBIE
HOMESTEAD
STATE SCHOOL OF SCIENCE
97
FERGUS FALLS
120
4000
186
345
BISMARCK
ASHLEY
219
46° On request
ASHLEY 206
EUREKA
AMBER 4
3000
161
N.D. S.D. MINN.
BRITTON
ALEXANDRIA 239 (116.1)
ALEXANDRIA
300
109
ABERDEEN
SISSETON
GRACEVILLE
MORRIS
6
ABERDEEN 329
166
ORTONVILLE
BENSON
WILLMAR
177
MINNEAPOLIS
BISMARCK 10
289
MILBANK
APPLETON
WATERTOWN 382
4000
RED 31
75
45° BIEDENFELT
256
WILLMAR 254 (116.1)
98
MADISON
MONTEVIDEO
341
76
5000
357
W. W. HOWES
70
4000
WATERTOWN
113
224
REDWOOD FALLS
MINNEAPOLIS
5000
HOFER-KANNEGIETER
MILLER
HURON 353
346
MARSHALL
PIERRE 347
263
4000
5000
RED 31
BROOKINGS
WESTBROOK
98
CARTHAGE
3000
293
SIOUX FALLS
SIOUX FALLS 245
RED 5
234
44
90
4000
100° 99° OMAHA 30 98° MADISON FLANDREAU 96° 95° 44°

OVER

RADIO

MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED. HRS. OF OPER., REMARKS
ALEXANDRIA	239(AE)(116.1)	BMLZ-VDT,186°,2	(4); 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
WILLMAR	254(IW)(116.1)	SBMRAZ-VDT,357°,3.5	(4); 116.1

NORTH DAKOTA

ASHLEY (Int.)	206 (AI)	MHT	(4)
FARGO	365(FO)(116.1)	SBRAZ-VDT	(3); 116.1
Fargo-Hector Arpt	388 (126.1?)	C, 260°, 0.9	(4); 126.18, 118.7, 131.9
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-VDT,253°,1.5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5 5	Fargo.
WHEATLAND FM	(. . - - -)	FM, 260°, 25.5	Fargo.

SOUTH DAKOTA

ABERDEEN	329 (AN)	SBRAZ-DT,341°,2.5	(4)
HURON (W.W.Howes)	353 (HR)	BMRLZ-DT,44°,2.7	(4)
WATERTOWN	382 (WU)	BMRLZ-DT,256°,2.9	(4)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105. 4495. 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S4	80,91 oct.
Appleton	1.9 NNE,riv S	1010	34 S2	80 oct. Poleline S,SE,SW
Benson	2.4 NW	1031	22	Poleline NW.
Crookston	3 NNW,RR N	875	30 S2	80 oct. Obst sur fld.
Detroit Lakes	2.7 W,RR N	1392	35 S2	80 oct. Rnwy data unver.
Fergus Falls	4.3 W,RR N	1160	23 S1	80 oct. Poleline W
Graceville	0.8 WNW,RR S	1110	16	Poleline S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct.
(P) Marshall	1.5 W,RR NE	1167	35 S4	80 oct.
Montevideo	2.2 NNE,RR W	950	19 S2	80 oct. Poleline W,NW
Morris	2.7 WSW,RR N	1134	31 S2	80 oct. Trees,poleline NW
Ortonville	1 ESE,hwy S	1090	21	Hwy W.
→ Park Rapids	1.7 SSW,RR E	1440	30 S6	80 oct. P-line E. Rnwys unv
Redwood Falls	1.8 NE,riv NE	1025	25 S2	80 oct. Poleline SE,SW.
Thief River Falls	3.6 S, riv W	1110	20 S1	80 oct.
Wadena	1 E,RR NW	1300	30 S1	80 oct. Poleline S,NW.
Westbrook	1 SE,hwy N	1500	18 S1	80 oct. Poleline W.
Willmar,16,HR-MP	1.5 W,RR E	1130	28 R1 L3 S6	80 oct.

NORTH DAKOTA

Abercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2025	40 R1 L3	
Cando	1.1 SW,RR E	1490	26 S1	80 oct.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	
Devils Lake	2.5 W,hwy S	1450	43h	Poleline W.
(P) FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73,80,91,100 oct. JP-1.
GRAND FORKS	2.6 WNW,RR S. E	837	49h R1 L5 S6	73,80,91 oct. ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	30 S1	80 oct.
Homestead(Wvnd-mere)	6.2 N,hwy W	1100	19 S1	Ltd 73 oct. Trees E,SW.
(P) Jamestown	1.5 NE,hwy S	1493	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	18 S1	80 oct.
Lisbon	0.8 SSW,RR SE	1151	21 S1	73 oct. Polelines N,S.
(P) Matheny (Carrington)	1.3 W,RR N	1580	32 S1	80 oct. Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct.
New Rockford	1.5 N	1533	30	
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct. Ngt svcg on req. ARPT. OF ENTRY.
Rolla	0.7 N,lake S		21 S2	80 oct. Data unver.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct. Poleline N pwrline E.
(P) Valley City, 71,HL-Twin Cities	1.5 NW,riv NE	1375	31 L3	

SOUTH DAKOTA

Aberdeen	2.9 E,RR N	1299	49h R1 L5 S6	73,80,91 oct.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct. Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Eureka (NC)	6 N, rd W	1895	28	Poles W.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct. Poles sur fld.
Hofer-Kannegieter (Willow Lake)	1.5 E	1787	22 S2	73 oct. Poleline N. Data unver.
Madison	3.7 ENE,hwy S	1688	26 S2	80 oct. Trees W;pole NW
★ Miller,Int,44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW,RR NE	1300	25	Pole line E.
WATERTOWN	2 NW,RR NE	1736	69h R1 L3 S1	80, 91 oct.
(P) W.W.HOWES(Huron)	1.3 NNW	1287	43h R1 L3 S6	73,80,91 oct.
Britton Mun.(S.D.)	2 NNE,RR W	1350	24 S1	73 oct. Poles W.
Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct.. Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct. Pwr line SE,NNE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X I I I) NC (not charted). → NEW OR REVISED DATA.

RADIO

MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DULUTH (Williamson-Johnson)	221 (DH)	SBRAZ-DT, 13°,3.9	(4)
HAMEL FM	(- - - -)	FM, 298°, 24	Minneapolis
HASTINGS FM	(- -)	FM, 118°, 10.2	Minneapolis
JORDAN-FM	(- - -)	FM, 238°, 26	Minneapolis
LAKE CITY	206 (FE)(116.1)	MHVT	(4); 116.1
MINNEAPOLIS (Wold Chamberlain Field)	266(MP) (116.1)	SBRAZ-VDT, 298°,3.5	(3);116.1
WOLD CHAMBERLAIN (Minneapolis)	278(126.18) (142.74)+	AC	(4); 116.1,126.18,142.74

S-Simul. Range and Voice, W-Without Voice, Z VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A C S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

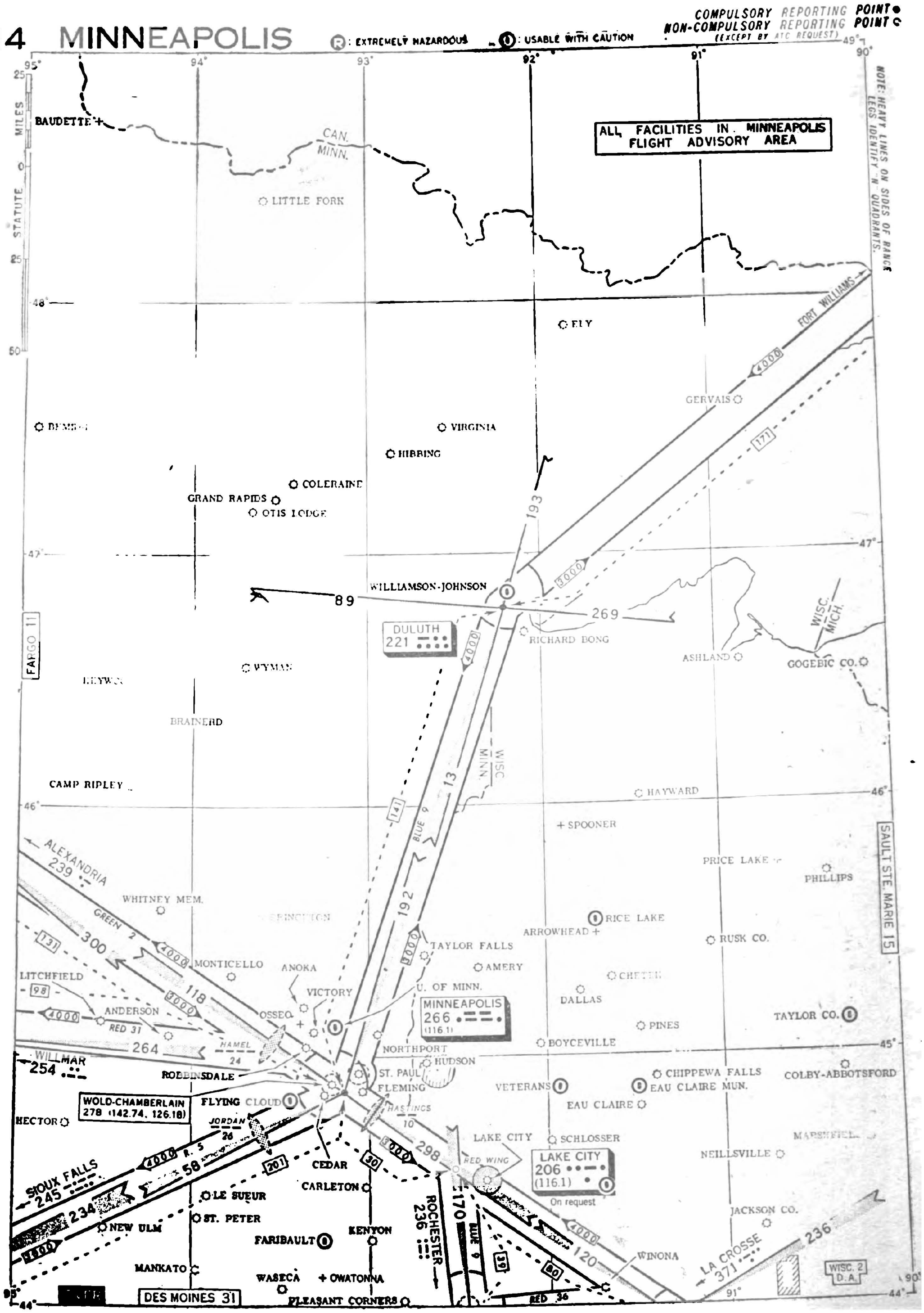
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gogebic Co. (Ironwood)	**4.5 NNE; RR S**	**1246**	24 S4	80 oct. Soft when wet.
MINNESOTA				
Anderson (Cocato)	2.6 ENE,RR S	1020	23 S2	80 oct.Poles S; trees W.
Anoka Flying Service	1.2 SE,riv SW	896	19 S1	80 oct.Poles NE; 629' twr SE.
Baudette	1 N, riv NE		27 S2	80 oct. Data not verified.
(P) Bemidji	3.8 NW RR S	1395	57h S4	80, 91 oct. Rnwy data unverified.
Brainerd	1.3 SSE,hwy W	1210	22 S2	Ltd 73 oct.
(A) Camp Ripley (Little Falls)	7.5 N, riv E	1150	52	Tank SE corner (A)
Carleton (Stanton)	0.7 NE,RR W	870	30 S6	80 oct.Polelines sur fld.
Cedar (Minneapolis)	8.5 S, RR W	811	28	
Coleraine	0.8 SSE	1390	25 S1	80 oct.
Ely	1.2 E	1425	24 S2	Poleline W;trees sur fld.
Faribault	1.6 S,hwy W	1060	20 S1	80 oct. Pwr line W.
Fleming (South St. Paul)	1.8 S, riv E	822	15h	
Flying Cloud (Minneapolis)	13.8 SW, riv S	900	28 S1	80 oct. Poles SE, SW
Gervais (Toft)	1.2 NE,hwy S	800	27 S2	80 oct.
Grand Rapids	1.5 SSE,lake NE	1293	22 S2	80 oct.
Hector	0.7 S, RR N	1100	25 S1	80 oct.Poleline W, NW, SW.
Heywood Gull Lake (Nisswa)	1.7 SSW,lake S	1200	26 S1	80,91 oct.Trees,poles sur fld.
(P) Hibbing	4.5 SE,lake NNW	1367	40h S6	80 oct.
Kenyon	0.8 S,RR E	1240	20 S1	80 oct.Poleline N, NE.
(P) Lake City (Frontenac)	0.5 SE,RR N	775	44 R1 L3 S6	80 oct.
Le Sueur	1.1 S,riv W	900	20 S1	80 oct.Poleline SSW. Rolling.
Litchfield	1.2 NE,RR S	1140	24 S1	Ltd 80 oct. Trees W.
Littlefork	1.8 WNW,riv E	1153	19 S1	80 oct. Poleline S.
Mankato	1.7 SE,hwy W	996	33 L1 S6	80 oct.Pwrline E, NE.
(P) Monticello	1.3 NNE,road S	940	50 S6	80 oct.
(P) New Ulm	1.8 W; RR N	1000	32 S1	80 oct. Poleline N. Hwy N.
Northport (White Bear Lake)	3.2 E, hwy N	1000	23 S6	80 oct.
Osseo	2 NE	875	30	Data not verified.
(P) Otis Lodge (Grand Rapids)	7.5 SW,lake S	1293	30 S1	80 oct. Poleline E.
Pleasant Corner (Dodge Center)	2 ESE;RR N,W	1050	16 S1	80 oct.Poles S,SE; trees SW.
Princeton	1 W, RR E		20 S1	80 oct. Data not verified.
Robbinsdale	0.8 NW,RR E	879	17 S6	80 oct. Obsts N, S.
St. Paul	1.5 SE,riv E	704	55h L4	
St. Peter	2.4 NNW,riv E	900	23	Poleline S.
Sells Flying Field (Mayer)	0.4 SSE	750	12	(NC)
Taylor Falls	1.5 W,RR S	950	23 S4	80 oct. No sto.
University of Minnesota (New Brighton)	3.8 N, hwy W	909	34 S6	80 oct. Trees E.
Victory (Minneapolis)	9 N, riv E	860	33 S6	80 oct.
Virginia	2 WSW,bet RRs	1429	35 S2	73 oct. Poles N.
Waseca	0.5 S,RR NW	1150	39 S1	80 oct. Poleline N,W, E.
(P) Whitney Memorial (St. Cloud)	1.5 NNW,riv NW	1034	32 L3 S6	80 oct.
(P) WILLIAMSON-JOHNSON (Duluth)	6.5 NNW,hwy S	1428	57h R1 L1 S6	80,91 oct. ARPT OF ENTRY.
Winona	4.5 WNW	670	19 L3 S1	80 oct. Bet. RRs.
(A,N) WOLD CHAMBERLAIN (Minneapolis)	6.5 SSE,hwy S	834	59h R2 L4 S6	87-100 oct. JP-1. Rdo rec required.
Wyman (Aitkin)	1.3 N,riv S	1200	8	Poles W.
WISCONSIN				
Amery	3.4 NNW,hwy N	1100	26 S1	80 oct.Poleline SE.
Arrowhead (Rice Lake)	1.3 SE,lake SE	1147	24 S4	80 oct.Trees SE.Data unverified.
Ashland	2.5 SSE,RR E	700	22 S3	80 oct. Hi-lines NE, SW.
Boyceville	0.5 SSW,hwy N	948	24 S2	80 oct.Obsts sur fld.
Boyd's Mason Lake (Fifield) (NC)	13 WSW,lake NW	1200	26	
Chetek	1.5 SE,RR S	1050	22 S1	80 oct.Trees N,SE,NW; pole S.
Chippewa Falls	2 S,RR NW	910	26 S2	80 oct.Pole line W, NW.
Colby-Abbotsford (Colby)	1.2 NNW,RR E	1400	19 S1	80 oct.
Dallas	0.7 SSE,RR W	1100	22 S1	80 oct.Pole line S.
Eau Claire	1.5 SSE,riv NW	884	40 S6	80 oct. Obsts sur fld.
(P) Eau Claire Municipal	3.5 NNE,riv NW	885	43h	
Hayward	2 NE,RR NW	1200	30 S1	80 oct.
Hudson Flying Service	3.8 E,hwy N,W	850	15	Pwrline N, W.
Jackson Co. (Black River Falls)	2 E, RR W	855	25 S1	80 oct.
Marshfield	2.3 SSW,hwy W	1253	20 S2	80 oct.
Neillsville	5.7 W,hwy SW	1000	21 S1	80 oct. Trees around fld.
Phillips	1.2 N,riv S	1140	30 S2	80,91 oct.Pole line W, S.
Pines (Bloomer)	0.9 E,RR W	1050	16 S1	80 oct. Poles S, W.
Price Lake (Phillips)	12.5 WNW	1140	22 S1	80 oct. Data not verified.
Rice Lake	3.5 NNE,RR W	1150	26 S1	80 oct. Poles sur fld.
(P) Richard Bong (Superior)	2.3 SW,RR E	674	33 S4	80 oct.Pole line SE. 353' twr NW.
Rusk County (Ladysmith)	2.8 SE,RR SW	1150	11 S1	80 oct.
(P) Schlosser (Durand)	2.4 NNW,riv W	800	32 S1	80 oct.
Spooner	5 N	1072	20 S1	80 oct.Data not verified.
Taylor County (Medford)	2 SE	400	19 S2	80 oct.Pole line N; bldg W, NE.
Veterans (Menomonie)	0.4 W,riv W	900	28	
Owatonna (Minn.)	2.7 NW	1138	25 S4	80 oct.Data unver.

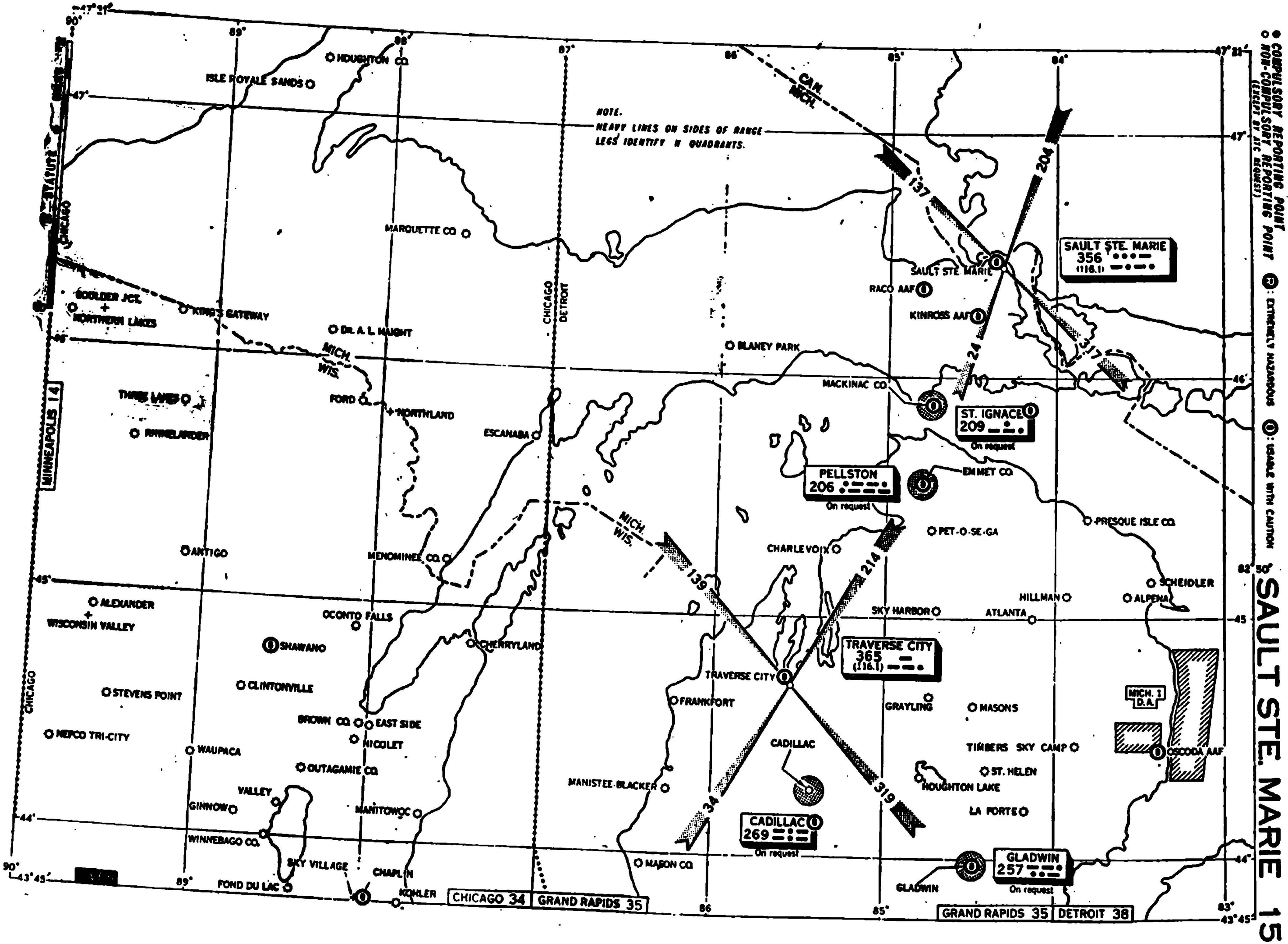
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). ⟶ NEW OR REVISED DATA.

14 MINNEAPOLIS

R: EXTREMELY HAZARDOUS U: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)




● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION
SAULT STE. MARIE 15
NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.
CHICAGO
MINNEAPOLIS 14
CHICAGO
DETROIT
CHICAGO
ISLE ROYALE SANDS
HOUGHTON CO
MARQUETTE CO
BOULDER JCT.
NORTHERN LAKES
KING'S GATEWAY
DR. A. L. HAIGHT
MICH.
WIS.
THREE LAKES
RHINELANDER
FORD
NORTHLAND
ESCANABA
MENOMINEE CO.
ANTIGO
ALEXANDER
WISCONSIN VALLEY
OCONTO FALLS
SHAWANO
CHERRYLAND
STEVENS POINT
CLINTONVILLE
BROWN CO.
EAST SIDE
NICOLET
NEPCO TRI-CITY
WAUPACA
OUTAGAMIE CO.
VALLEY
GINNOW
MANITOWOC
WINNEBAGO CO.
SKY VILLAGE
CHAPLIN
FOND DU LAC
KOHLER
CHICAGO 34
GRAND RAPIDS 35
CLM
MICH.
137
204
SAULT STE. MARIE
RACO AAF
KINROSS AAF
SAULT STE. MARIE
356
(116.1)
BLANEY PARK
MACKINAC CO.
24
317
ST. IGNACE
209
On request
PELLSTON
206
On request
EMMET CO.
MICH.
WIS.
PET-O-SE-GA
PRESQUE ISLE CO.
CHARLEVOIX
139
214
SCHEIDLER
ALPENA
HILLMAN
SKY HARBOR
ATLANTA
TRAVERSE CITY
365
(116.1)
TRAVERSE CITY
FRANKFORT
GRAYLING
MASONS
MICH. 1 D.A.
CADILLAC
TIMBERS SKY CAMP
OSCODA AAF
ST. HELEN
HOUGHTON LAKE
MANISTEE-BLACKER
34
319
CADILLAC
269
On request
LA PORTE
MASON CO.
GLADWIN
257
On request
GLADWIN
GRAND RAPIDS 35
DETROIT 38
90°
89°
88°
87°
86°
85°
84°
83°
47°21'
47°
46°
45°
44°
43°45'
82°50'

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CADILLAC	269 (KK)	MHT	(4)
GLADWIN	257 (GU)	MHT	(4)
PELLSTON (Emmet County)	206 (PJ)	MHT	(4) (6-22)
ST. IGNACE (Mackinac Co.)	209 (EG)	MHT	(4)
SAULT STE. MARIE	356 (VC)(116.1)	SBMRAZ-VDT,317°,2.2	(4), 116.1
TRAVERSE CITY	365 (TG)(116.1)	SBMRAZ-VDT,319°,2.2	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105. 4495. 6210 kcs. (4)-3105. 4495. 6210. 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1. 137.88. 140.58 mcs.

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alger County (Munising)(NC)	4 SSE,hwy E	850	24	Twr N, woods all sides.
Alpena	6.5 WNW;RR S	685	50h	
Amasa (NC)	4 NW	1560	14	Not maintained.
Atlanta	0.8 ESE	875	20	Trees N, NW, W.
Au Gres (NC)	0.9 NNW,hwy S	590	20	Poles NE,SW.
Baldwin (NC)	1.3 SSE,RR W	835	25	
(P) Beaver Island (St. James) (NC)	4.2 SSW	620	35	
(P) Bellaire (NC)	1 NE,RR W,S	614	30	Poles SE;trees surround fld.
Big Lake (NC)	7.3 SW Baraga	1100	20	Trees on all sides.
Blaney Park	0.5 NW;lake N	850	18 S1	80, 100 oct.
(P) Cadillac, 23, TL-VC	2.5 NW,RR E	1297	34 R1 L3 S6	80 oct.
Calvin Campbell Mun. (NC) (Indian River)	0.8 SE;RR,hwy W	602	20	Pole line N,trees E,W,S.
Charlevoix	0.8 SW,lake NW	642	30 S1	80 oct. Poles W,NW,E.
Doherty (Clare) (NC)	1 NE	840	21	Poles S; NE corner rough.
D.A.R. (Rexton) (NC)	1.9 WSW,RR N	900	22	Poles N.
(P) Dr. A. L. Haight (Crystall Falls)	0.3 ENE,lake E	1390	34 S4	80 oct. Trees, bldgs W
East Jordan (NC)	1.9 SSE,riv W	640	26	Trees E, W.
(P) Emmet County (Pellston)	0.6 NW,RR E	707	54h R1 L3 S1	80,91 oct. Bcn on req.
Escanaba	2 SSW,hwy E	594	26 S4	73,80 oct. Trees E.
Ford (Iron Mountain)	2.5 W,riv W	1140	23 S6	80,91,100 oct.
Frankfort	1.9 ESE,lake W	650	29 S1	73,80 oct. Sur-by hills.
(P) Gladwin	0.5 SSE,riv W	780	35 R1 L3 S1	80 oct. Poles NW.
Grayling	1.3 NW,RR W	1152	50h	
Harrison (NC)	2.3 NNW,hwy E	1100	22	Surrounded by trees.
Hillman	2.8 NW	995	20 S1	Ltd 73 oct. Woods all sides.
Houghton Co. (Calumet)	2 SE,RR W	1200	26 S4	80 oct. Twrs, poles W
Houghton Lake (Houghton Heights)	1.2 WNW,lake NNE	1150	27 S2	73,80 oct. Radio twr W,N, lgtd.
Isle Royale Sands (Houghton)	2 ESE,lake SW	605	22 S4	80 oct.
Ishpeming-Dexter (NC)	7 W,RR N,S	1570	25	Poles N.
Kalkaska (NC)	0.5 WNW,RR E	1020	26	
(A) Kinross (A)	2.5 SE	780	55h	INACTIVE.
La Porte (West Branch)	6 SE,RR W	890	26	Pole line NW; trees NE, SW.
Luce County (Newberry) (NC)	4.1 SE,hwy S	872	20h	Poles S, trees W.
Mackinac Co. (St. Ignace)	2 NNW,hwy E	600	26 R1 S2	80, 91 oct.
Mackinaw City (NC)	5 S,RR W	700	22	
Manistee-Blacker	4 ENE,riv S	613	23 S2	73 oct.
Marenisco (NC)	1.6 E,hwy N	1551	20	Trees sur. fld.
Marquette County	7.9 W,hwy S	1412	27 S2	80 oct. Poles W.
Mason County (Ludington)	1.7 ENE	640	30	Poles S.

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Menominee County	5 NNE,bay E	590	27 S1	80 oct. Trees sur fld.
Mio (NC)	1.6 N,hwy W	1050	26	
Northland (Norway)	2 W	1060	33 S3	80,100 oct. Pole line N.
Norway Township (Loretto)	2.4 S,lake N	860	21	Trees on side strips. (NC)
Onaway (NC)	0.6 NNE,RR S	770	24	Trees SW,NW,SE.
(A) Oscoda AAF (A)	3.5 NW,lake E	605	50h	INACTIVE.
Otsego County (Gaylord) (NC)	1 SW,RR E	1384	30	Pole line NE.
Pet-O-Se-Ga (Wildwood)	1.8 NW,lake NW	620	20 S2	80 oct.
Petosky-Harbor Spring (Petosky) (NC)	4.5 NE,hwy E,N	620	20	Pole line,ridges E, N.
Poschke's (Harbor Beach)(NC)	2.5 W,rd S	670	18	
Presque Isle (Rogers City)	0.7 SSE,hwy E	658	26 S2	No fuel.
Prickett (Sidnaw) (NC)	0.5 N,RR SE	1300	18	Use caution.
(A) Raco AAF (A)	4 WSW,RR N	910	55h	INACTIVE.
Roscommon (NC)	2.5 SE,RR NE	1100	42	Pole line S.
Roscommon Co. (Prudenville)	4.5 N,riv N	1150	24	Trees sur fld. (NC)
St. Helens	0.9 SE,RR NE	1153	26	
(P) Sault Ste. Marie	1 SSW,hwy E	706	36 R1 L3 S4	80,91 oct. All lgts prior req. ARPT OF ENTRY.
Scheidler (Alpena)	6.3 N,hwy NW	590	22 S1	80 oct. Pole lines N, SW.
(P) Schoolcraft Co. (Manistique)	3.3 ENE,lake S	678	31	Approaches 5:1. (NC)
Sky Harbor (Gaylord)	1 WNW,RR N	1355	26 S1	73,80 oct. Pole line S.
Steuben (Manistique) (NC)	20 NW	850	18	Woods all sides.
Timbers Sky Camp (South Branch)	0.2 NE,riv E	950	24 S1	80 oct.
(P) Traverse City	2.1 SE,RR NE	624	52h R1 L5 S6	80,100 oct. No sto.
Watersmeet (NC)	1.5 NNE,RR SSE	1581	24	Poles SE.
[redacted]				
Alexander (Wausau)	2.5 S,riv SW	1191	27 L4 S4	73,80 oct. Lgts prior req.
(P) Antigo	2 ENE,hwy N	1483	33 S2	80, 91 oct.
Arbor-Vitae (NC)	2.9 W,RR S	1600	22	Pole line E, N.
Boulder Junction	1.5 NW		38 S1	80,91 oct. Data unverified.
Brown County (Green Bay)	2.2 WSW,hwy SE	590	28 S6	80,91 oct. Pole line NE,SE,S.
Chaplin Arpk (Plymouth)	0.5 N,RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay)	2 WNW,bay E	590	40 S2	80 oct. Pole line W,S.
(P) Clintonville	1 ESE,RR SW	828	34 S6	91,80 oct. No sto. Pole line SW.
Eagle River (NC)	1.3 NW,riv NW	1675	32	
East Side (Green Bay)	1.8 SE,RR S	600	19 S1	80 oct. Pwr line N,NE,NW.
Fond du Lac	2.6 ENE,lk NNW	769	26 S2	80 oct. 50' hi-line N.
Ginnow (Omro)	3 N,RR E	800	19 S2	80 oct. Trees SW.
King's Gateway (Land O' Lakes)	0.5 SSE,RR W	1736	31 S2	80 oct. Twr NE; pole line NW.
(P) Kohler	1 N,hwy S	647	30 L1 S6	80 oct. Obst sur fld.
Manitowoc	1.6 NNW,RR W	653	26 L3 S4	80 oct. No bcn. Obsts sur fld.
Merrill (NC)	1.2 NNW	1285	22	Pole line NE.
(P) Nepco Tri City (Wisconsin Rapids)	2.5 SSW,riv W	950	36 L2 S6	80 oct. Lgts on req.
Nicolet (De Pere)	1.5 S,RR E	620	22 S4	80 oct. Pole line E,W. Data unver.
(P) Northern Lakes (Manitowish)	6.8 E,hwy N	1600	35 S1	80 oct. Trees E,W.
Oconto Falls	2.7 ENE,RR S	600	20 S1	80 oct. Pole line N.
Outagamie Co. (Appleton)	2.2 ENE,RR S	750	29 S2	80 oct. Obsts sur fld.
(P) Rhinelander	2 W,riv SE	1598	37 S2	80 oct. 10' bank NE.
Shawano	2.3 ENE,lk NE	813	40 S2	80,91 oct. Poles SW. Rnwy data unver
Sky Village (Plymouth)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point	3 NE,riv SE	1090	40h S6	73,80 oct.
Three Lakes	0.5 S	1664	23	Bldgs, trees around fld.
Tomahawk (NC)	0.5 WNW	1450	15	
Valley Airways (Neenah)	4 SSW,RR E	750	21 S2	80 oct. P-line E. Data unver.
Washington Island (NC)	0.6 NNE of Detroit Harbor	600	24	
Waupaca	4 ESE,riv N,E	853	25 S1	80 oct. Trees around fld.
(P) Winnebago Co. (Oshkosh)	2 SSW,RR NE	776	50h L1 S4	80 oct. No sto. P-line NE,N,W. Rnwy
Wisconsin Valley Inc. (Wausau)	7 S		34 S2	83 oct. Data unver. data unver
Masons (Grayling,Mich)	12 ESE;riv N	1000	40 S1	91 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted). → NEW OR REVISED DATA

RADIO — MAINE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA	221(AW)(116.1)	BMRLZ-VDT;81°,2	(4); 116.1
BANGOR (Dow)	239(BB)(116.1)	SBRAZ-VDT;172°,2.1	(3); 116.1
DOW (Bangor)	278 (126.18)+	AC (ILS)	(4);118.7,131.9,126.18
EAST CORINTH FM	(- - - -)	FM, 352°, 13.5	Bangor.
HOULTON	272(HJ)(116.1)	BMRLZ-VDT,195°,3.1	(4); 116.1
LIMESTONE FM	(-)	FM, 57°, 22.3	Presque Isle
MILLINOCKET	344(MT)(116.1)	SBRAZ-VDT,292°,1.6	(4); 116.1
PRESQUE ISLE	388 (ZQ)	SBRAZ-DT	(4)
Presque Isle AAF	278 (126.18) +	AC(ILS);189°,3.4	(4);338 365,116.1,140.1,131.9,
Presque Isle AAF	365 (RU)	SBMLZ; 9°, 3.8	(4) 126.18.

NEW YORK

MASSENA			VHF range to be comm soon.

VERMONT

BURLINGTON	323(JG)(116.1)	SBRAZ-VDT	(3), 116.1
Burlington Airport	278	C, 151°,2.8	(4)
GRANDE ISLE FM	(- - - -)	FM, 349°, 15	Burlington
HUNTINGTON FM	(- -)	FM, 151°, 17	Burlington
MONTPELIER (Barre-Montpelier)	257 (UV)(116.1)	BMRLZ-VDT,230°,2.8	(4), 116.1
VERGENNES FM	(- - -)	FM, 210°, 25.4	Burlington

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ Dow, Maine (L6)	109.9		150°Mag.	IM- ·····(.06)	MM- ·-·- (.89)	OM- --(4.80)
					MMK-	OMK-
Presque Isle AAF, Maine	109.9		100°Mag.	IM- ·····(.05)	MM- ·-·- (1.00)	OM- --(5.00)
					MMK- 201 (1.00)	OMK- 219 (5.00)
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105. 4495. 6210 kcs. (4)-3105. 4495. 6210. 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116 1. 137 88. 140 58 mcs.

AIRPORTS — MAINE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
AUGUSTA	1.5 WNW,hwy S	354	34h R1 L5 S6	80,91 oct. Fld lgts prior req.
Andover (NC)	2.5 S,hwy E	675	14	1125' hill, pole E.
Bar Harbor	9 NW,hwy W	87	45h S6	80 oct.
Bethel	1.6 NW,RR E	660	20 S1	80 oct.
Belfast	1 SW,hwy E	160	40h S4	80 oct. No sto.
Bishop (LaGrange)	0.8 N,RR W	360	20	WSW,ENE blocked.
Caribou	1 NW,hwy E	623	35h S6	80 oct. No sto. Bldg E. ARPT OF ENTRY.
Deblois Flight Strip	2 SE,riv W,N	219	40h	
(P) Dexter	3 ESE,rd W,S	485	30h S2	80 oct.
Doanes (Brewer)	1.6 S,RR W	100	15 S5	80 oct. Poles NNE; trees SE.
→(A) DOW (Bangor)(A)	2 W,RR S	160	70h R3(L6)S4	100 oct.
Eastport	1.5 WNW,hwy NE	70	28h S1	80 oct. Pole line NW.
Fryeburg Arpk	1.3 E,RR S	400	20 S2	80 oct. Pole line S.
Greenlaw (Auburn)	1.8 W,hwy S	238	14 S6	80 oct. Bldg S.
Greenville	2 ENE	1750	30h L3 S1	80 oct.
Guertin (Lewiston)	1 NE	220	12 S2	87 oct. Trees, poles SSW.
HOULTON	2.5 E	474	57h R1	
LEWISTON-AUBURN (Auburn)	4.5 SW,RR W	290	45h L5 S4	80,91 oct.
Maheux (Minot)	3.5 NNW,hwy NE	720	21 S6	80 oct. Trees SSE.
Millinocket	0.5 SE,hwy W	404	50h R1 L5 S1	91 oct. Fld lgts prior req.
Newport	1.5 ESE,hwy N	280	21 S1	Ltd 80 oct. Pole line N.
Norridgewock	3.7 W,riv NE,W	270	40h	Trees ENE.
Norway	1 N,RR S	387	18 S1	80 oct. Pole line SE.
Old Town	1.8 NNW,riv N	109	40h L3 S5	80 oct.
Pittsfield	0.7 SSE,hwy E	190	40h S6	80 oct. Sand pile, bldg E.
Pittston	1.8 ENE,RR W	140	18	NW,SW,S blocked.
→(A) PRESQUE ISLE AAF (A)	1.5 WNW,RR E	529	68h R3 L6 S6	91,100 oct. No sto. ARPT OF ENTRY.
Princeton	1.5 SSE,hwy NE	250	40h	

h-hard surfaced runways. R-radio facilities L-lighting facilities. S-servicing. (See page ####) NC-(not charted). → NEW OR REVISED DATA

MAINE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Rangeley	1.6 NNW,hwy S	1810	15	
Raymond's (Phillips)	0.8 S,riv E	556	22 S1	80 oct. Rnwy info. unver.
Rockland	3 SSE,rd NE	49	45h L5 S6	80,91 oct. No sto.
Rollins (Turner)	2.5 NNW,rd E	335	20 S6	80 oct.
Roy L. Fernald (Winterport)	3 WNW,hwy S	182	40h L3 S1	80 oct. Lgts prior req.
Tomlinson (Skowhegan)	1 NNE,riv S	240	21 S6	80 oct. Poles S,NW.
Waterville	1.8 SW,riv E	303	40h L5 S6	80,91 oct. Fld lgts prior req.
Weston (Madison) (NC)	1 N,riv W	300	19	Poles WSW.

NEW HAMPSHIRE

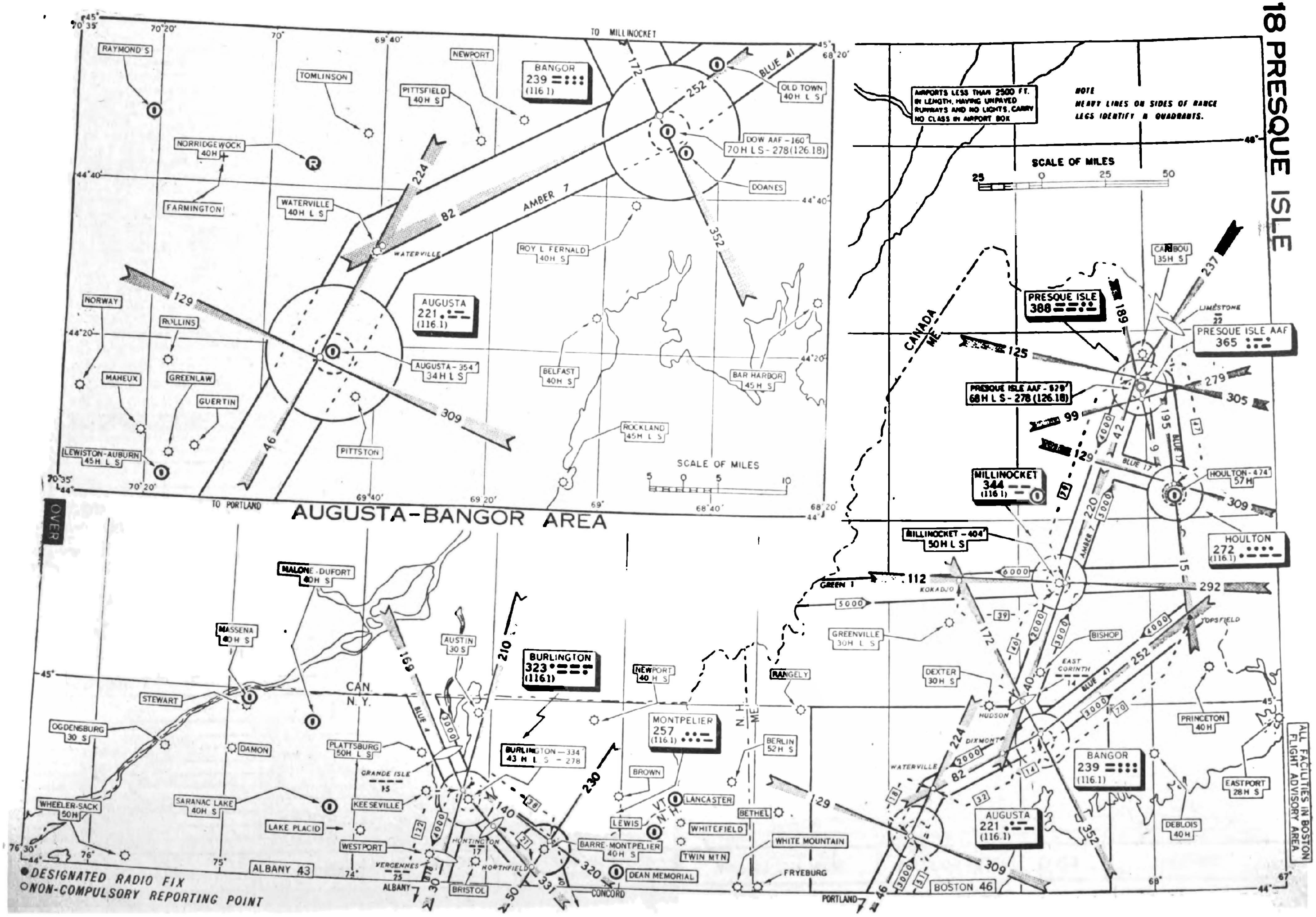
Berlin	7.5 N,riv W	1140	52h S3	80,91 oct. No sto.
Dean Memorial (Haverhill)	4.1 NE,RR W	570	21 S1	80 oct. Data unver.
Lancaster Arpk.	0.3 N,riv W		20 S1	80 oct. Data unver.
Lewis (Littleton)	2.5 E,RR S	900	18 S6	80 oct. No sto.
Twin Mountain	0.8 SW,RR N	1430	18 S1	80 oct.
Whitefield	3 ESE,RR N	1030	24 S1	73 oct.
White Mountain (No. Conway)	1.9 SSE	540	23 S4	80 oct. Trees W, NW.

NEW YORK

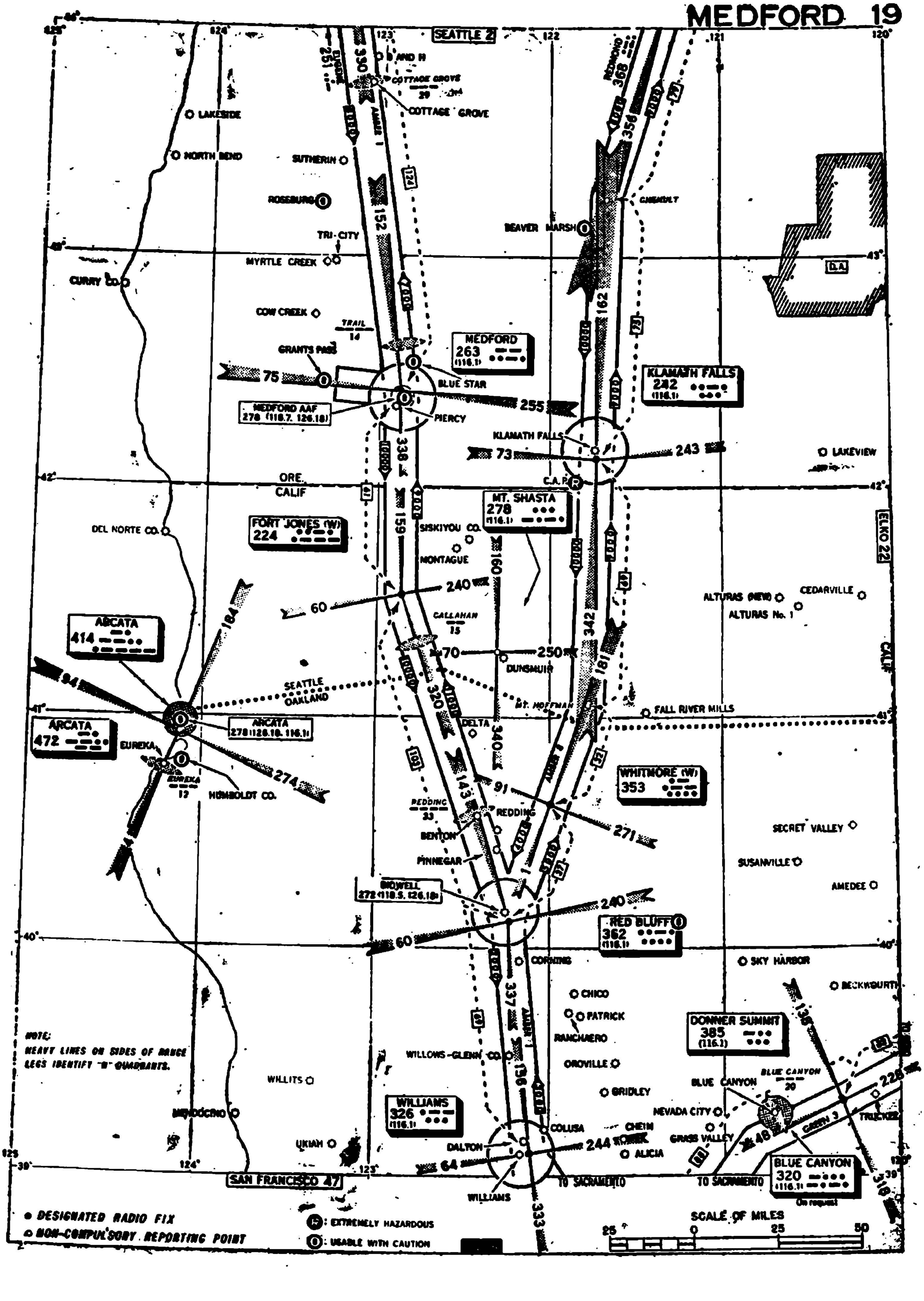
Bradley (Watertown) (NC)	2.2 N,RR E,W	435	18	Rough. Pole line W,SW.
Damon (Potsdam)	1.5 E,riv,RR W	460	19 S1	80 oct. Pole line N.
Keeseville	1.4 S,riv W	490	20	Pole W.
Lake Placid	2 SE,RR NW	1750	21 S1	80 oct.
(P) Malone-Dufort	2 W,RR N	790	40h S1	80 oct. ARPT OF ENTRY.
Marcy (Keene) (NC)	2.5 S hwy E	1000	18	Mtn N,S.
(P) Massena	2.2 E,riv SE	200	40h L1 S6	80 oct. Bcn on req. Trees WSW ARPT OF ENTRY.
(P) Ogdensburg	1.5 SE,RR W	285	30 S6	80 oct. ARPT OF ENTRY
(P) Plattsburg, mun.	3.4 WSW,riv W	375	50h L5 S1	80, 91 oct.
(P) Saranac Lake	5.3 NW,RR NW	1655	40 L1 S1	80 oct. Bcn on prior req.
Stewart (Massena)	2.1 SE,RR NE	210	20	
Tupper Lake (NC)	1 E,RR NW	1680	8	Use strips only.
Westport	2 S,RR W	285	22 S2	80 oct.
Wheeler-Sack (Great Bend)	1 NNW,riv S	680	50h	

VERMONT

Austin (Swanton)	1.7 NE,RR W	235	30 L S6	80 oct. No sto. Port rnwy lgts. ARPT OF ENTRY.
BARRE-MONTPELIER (Berlin)	0 8 SE	1149	40h R1 L5 S2	80,91 oct.
Bristol	0.7 W,riv SE	570	22 L S6	80 oct. Port rnwy lgts. 1680' mtn SE.
BURLINGTON	3 E,lake N	334	43h R2 L5 S6	80,91 oct. ARPT OF ENTRY.
Newport	3 SSW,RR E	930	40h L2 S1	Ltd 80 oct. All lgts prior req.
Brown (St. Johnsbury, Vt)	5 2 N; RR E	807	23 S2	80 oct. Hills W, SW.


AUGUSTA-BANGOR AREA
TO MILLINOCKET
TO PORTLAND
SCALE OF MILES
RAYMOND S
TOMLINSON
NEWPORT
PITTSFIELD 40H S
BANGOR 239 (116.1)
OLD TOWN 40H L S
BLUE 41
DOW AAF - 160° 70H L S - 278 (126.18)
DOANES
NORRIDGEWOCK 40H
FARMINGTON
WATERVILLE 40H L S
AMBER 7
ROY L FERNALD 40H S
AUGUSTA 221 (116.1)
AUGUSTA - 354° 34H L S
NORWAY
ROLLINS
MAHEUX
GREENLAW
GUERTIN
LEWISTON-AUBURN 45H L S
PITTSTON
BELFAST 40H S
BAR HARBOR 45H S
ROCKLAND 45H L S
PRESQUE ISLE 388
CARIBOU 35H S
LIMESTONE
PRESQUE ISLE AAF 365
CANADA
ME
PRESQUE ISLE AAF - 529° 68H L S - 278 (126.18)
MILLINOCKET 344 (116.1)
HOULTON - 474° 57H
HOULTON 272 (116.1)
MILLINOCKET - 404° 50H L S
KOKADJO
GREENVILLE 30H L S
BISHOP
DEXTER 30H S
EAST CORINTH
HUDSON
DIXMONT
PRINCETON 40H
BANGOR 239 (116.1)
EASTPORT 28H S
DEBLOIS 40H
AUGUSTA 221 (116.1)
BOSTON 46
PORTLAND
MALONE-DUFORT 40H S
MASSENA 40H S
AUSTIN 30 S
BURLINGTON 323 (116.1)
BURLINGTON — 334° 43 H L S - 278
NEWPORT 40H S
RANGELY
MONTPELIER 257 (116.1)
BERLIN 52H S
BROWN
LANCASTER
BETHEL
WHITEFIELD
TWIN MTN
WHITE MOUNTAIN
FRYEBURG
LEWIS
BARRE-MONTPELIER 40H S
DEAN MEMORIAL
CONCORD
BRISTOL
NORTHFIELD
HUNTINGTON
VERGENNES
ALBANY
ALBANY 43
STEWART
CAN.
N.Y.
OGDENSBURG 30 S
DAMON
PLATTSBURG 50H L S
GRANDE ISLE
SARANAC LAKE 40H S
KEESEVILLE
LAKE PLACID
WESTPORT
WHEELER-SACK 50H
VT
N.H.
ME
NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 8 QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX
ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

MEDFORD 19


SEATTLE 21
AND H
COTTAGE GROVE
COTTAGE GROVE
LAKESIDE
NORTH BEND
SUTHERLIN
ROSEBURG
TRI-CITY
MYRTLE CREEK
CURRY CO.
COW CREEK
TRAIL
14
GRANTS PASS
75
MEDFORD
263
(116.1)
BLUE STAR
MEDFORD AAF
278 (118.7, 126.1)
PIERCY
255
338
159
160
240
60
184
ARCATA
414
94
ARCATA
278 (126.1, 116.1)
ARCATA
472
EUREKA
EUREKA
12
274
HUMBOLDT CO.
SEATTLE
OAKLAND
FORT JONES (W)
224
DEL NORTE CO.
ORE.
CALIF
42°
41°
40°
123°
124°
SAN FRANCISCO 47
WILLITS
MENDOCINO
UKIAH
WILLIAMS
326
(116.1)
WILLOWS-GLENN CO.
CALLAHAN
15
70
250
DUNSMUIR
MT. HOFFMAN
DELTA
340
320
191
143
REDDING
33
REDDING
BENTON
PINNEGAR
BIGWELL
272 (118.5, 126.1)
WILLIAMS
64
DALTON
244
ALICIA
COLUSA
CHEIN
337
336
CORNING
CHICO
PATRICK
RANCHARIO
OROVILLE
GRIDLEY
DONNER SUMMIT
385
(116.1)
BLUE CANYON
BLUE CANYON
20
NEVADA CITY
GRASS VALLEY
49
GREEN 3
TRUCKEE
228
BLUE CANYON
320
(116.1)
On request
TO SACRAMENTO
TO SACRAMENTO
318
RED BLUFF
362
(116.1)
60
240
SKY HARBOR
BECKWOURTH
136
WHITMORE (W)
353
91
271
SECRET VALLEY
SUSANVILLE
AMEDEE
FALL RIVER MILLS
ALTURAS (NEW)
ALTURAS No. 1
CEDARVILLE
342
181
KLAMATH FALLS
242
(116.1)
KLAMATH FALLS
73
243
LAKEVIEW
C.A.P.
MT. SHASTA
278
(116.1)
SISKIYOU CO.
MONTAGUE
160
ELKO 22
CALIF
CRESCENT
BEAVER MARSH
D.A.
RICHMOND
368
356
79
73
162
251
390
123°
122°
121°
120°
NOTE:
HEAVY LINES ON SIDES OF BRIDGE LEGS IDENTIFY "B" QUADRANTS.
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
E: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCATA (UAL)	472 (NZM)	MRL	(3)
Arcata Airport	278 (116.1,126.18)	CI (ILS); 4°, 3	(3) 116.1,126.18 (8-17)
Arcata (H fac) (UAL)	414 (NZ1)	H; 310°, .15	(4) Z marker 200' from SE end Rnwy 31.
BIDWELL (Red Bluff)	272 (118.5,126.18)	C	(4);126.18,131.9 (6-22)
→ BLUE CANYON	320 (BC)(116.1)	MHVT	(4):116.1
BLUE CANYON FM	(- - -)	FM, 228°, 19.5	Donner Summit
CALLAHAN FM	(- -)	FM, 140°, 15.1	Ft. Jones
→ DONNER SUMMIT	385 (DS) (116.1)	BMRL-VDT	(4):116.1
EUREKA FM	(- - -)	FM, 184°, 11.7	Arcata
FORT JONES	224 (FJ)	SRAWZ	
MT. SHASTA	278(SC)(116.1)	BMLZ-VDT, 116°,2.2	(4); 116.1
RED BLUFF (Bidwell)	362(FH)(116.1)	SBRAZ-VDT,323°,2.5	(4); 116.1
REDDING FM	(- - - -)	FM, 323°, 33.2	Red Bluff
WHITMORE	353 (AWH)	MRLWZ	
WILLIAMS (Int.)	326(WS)(116.1)	SBMRAZ-VDT,244°, 2.2	(4); 116.1

[redacted]

COTTAGE GROVE FM	(- - -)	FM, 150°, 29	Eugene
→ KLAMATH FALLS	242 (FS)(116.1)	SBRAZ-VDT;342°,2.7	(4); 116.1
MEDFORD	263(MF)(116.1)	SBRAZ-VDT	(3); 116.1
Medford AAF	278 (126.18,118.7)+	AC; 158°, 2.4	(4); 126.18,131.9,118.7
TRAIL FM	(- - - -)	FM, 332°, 14	Medford

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Arcata, Calif.	109.5	332.6	312° Mag.	IM-	(.14) MM- ····· (.66)	OM- -- (4.5)
				IM-	MMK-	OMK- 404
					MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 31173 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

[redacted]RPORTS

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alicia (Marysville)	3.2 SSE,RR W,E	63	60h L5 S6	80,91 oct.; 100 oct. on req.
(P) Alturas (new)	6.8 WNW,riv S	5034	63h	
Alturas #1	1 W,RR S	4391	28 S6	80 oct.
Amedee Flight Strip (Amedee)	4 SE,RR N	4007	70h	
Arcata	7.6 NNW	217	60h R3	
Ash Creek, USFS (McCloud)(NC)	11.2 ENE	3850	30	Closed Dec-May. Trees SE,NW.
Beckwourth	0.8 ENE,RR S	4900	26 S6	73 oct.
Benton Airpark (Redding)	1.1 WSW,riv E	719	25 L3 S4	80, 91 oct.
BIDWELL (Red Bluff)	1.7 SSW,RR E	354	40h R2 L5 S4	80,91,100 oct.
* Blue Canyon Int,13,SF-SL	1.1 NNE,RR S	5280	34 R1 L3	Obsts N, E. RR E.
Cedarville	0.6 S,lake E	4260	26 S2	80 oct. Pwr line E.
Cheim (Marysville)	1.5 NE,hwy S	67	30 S6	80,91 oct. No sto. Levee N, NE.
Chester, USFS (NC)	1.5 SSW,RR N	4525	31	18' pole line W.
→ Chico	5 N,rd E	237	67h	
Colusa	1.2 SW,RR W	47	29 S4	80 oct. Pole line NNW.
Corning	1.3 NE,RR W	300	30 L1 S2	80 oct.
Dalton Com. (Williams)	1 ENE,RR SW	80	30 S2	80 oct. Pwr line S.
(P) Del Norte Co. (Crescent City)	2.5 NW	57	50h	
* Delta Int, 22, SF-SA	1 SW,RR,hwy N	1320	18 L3	800-1000' mtns E, W.
Dunsmuir,25B, SF-SA	4.5 N,RR W	3240	30 R1 L3 S2	80,91 oct. Poles E,N, lgtd.
Eureka	2 W,bay E	20	24h	
(P) Fall River Mills	1 N,riv E	3300	26	

n-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Fort Jones (NC)	1.5 W,riv SW	2745	30	Pole line NW.
Gasquet (Crescent City) (NC)	13 ENE,hwy S	390	25	Hazardous-bad approach. USFS
Grass Valley	0.8 W,hwy N	2600	18 S1	Ltd 80 oct. Trees sur fld. P-line NE
Gravelly Valley, USFS (Upper Lake) (NC)	20 N, lake S	2000	49	Road crosses NE/SW strip.
Gridley	0.7 ENE,RR W	97	26 S6	80,91 oct. Pole line N,S.
Hayfork, USFS (NC)	1.2 E,rd N	2350	23	Pole line W, mts E.
Humboldt County (Eureka)	3.4 ENE,RR SW	10	19 S4	80 oct. Poles NW.
Mendocino (Little River)	2.5 SE	572	53h	
Montague	1 W,RR N	2520	32 L1 S4	80, 91 oct.
Nevada City	1.5 NW,rd S	3060	26 S4	80 oct.
Oroville	3 SW,riv E	199	60h L5 S1	80,91 oct. Port rnwy lgts prior req.
Patrick (Chico)	2 SSE,RR E	189	34 S6	80,91 oct. Poles N.
Pinnegar (Anderson)	1 S,canal E	435	23 S1	73 oct.
Ranchaero (Chico)	2.2 WSW,riv W	170	22 S4	80, 91 oct. Hwy NE.
Ravendale (NC)	0.2 N,RR W	5260	18	
Redding	7.5 SE,riv S	500	61h L3 S1	
Round Valley (Covelo)(NC)	0.8 SW,hwy E	1385	30	
* Secret Valley Int,52,RV-ND	3.6 ESE Karlo	4435	50 L3	
(P) Siskiyou Co. (Montague)	4.3 NE,RR W	2647	73h L5	
Sky Harbor (Quincy)	2.5 E,RR N	3400	28 S2	73 oct. Poles S.
Susanville	6.5 SE,hwy SW	4150	32 S6	73 oct. Pwr line N.
* Truckee Int,16B, SF-SL	3.6 ENE,RR S	5820	34 L3	Snow Dec.-April.
(P) Ukiah	1 S,RR E	612	40h L5 S4	80 oct. No sto.
Weaverville, USFS (NC)	1 SSE,hwy E	2040	22	30' poles S.
* Williams Int,9, SF-SA	4 S, RR E	120	42 R1 L3	
Willits	1.3 ENE,RR W	1356	20 S1	80 oct. Trees E. Pole line W.
Willows-Glenn Co.	1.3 WSW,RR E	130	45h L1	

[redacted]

* Beaver Marsh Int,73,RV-ND		4630	54 L3	6.2 SSW Chemult
Blue Star Arpk. (Eagle Point)	4.5 N,hwy E		20 S2	Data unver.
Civil Air Patrol (Worden)	1 S,RR NW	4080	37 S6	80 oct. No sto. Pwr line NNE.
* Cow Creek Int,37B,SF-SA	2.5 ENE Glendale	1429	23 L3	Creek S.
(P) Curry Co. (Denmark)	3.8 WSW	214	51h L5	All lgts prior req.
Illinois Valley Landing Field (Cave Junction) (NC)	4.3 SSW,river 1 E	1350	43	Trees NNE. USFS
Klamath Falls	4.9 SSE,RR NE	4085	71h R1 L5 S1	80, 91, 100 oct.
Lakeside	0.25 NE,hwy W	20	30	Pole line S.
Lakeview	3.5 SW,RR E	4728	53h	
(A,N) MEDFORD AAF	3.2 N,RR E	1329	54h R2 L5 S4	80,91,100 oct. No maintenance mil acft. Pole line NE.
* Myrtle Creek,Int,39A,SF-SA	4 SW,riv,RR W	640	25 L3	Hill N.
P) North Bend	1.2 WNW,bay NE	17	50h	
Piercy (Medford)	2.6 NW,RR E	1325	20 S4	80 oct. No sto. Poles SE.
* Roseburg Int,41A,SF-SA	2.4 NNW,RR E	500	38 S6	80,91 oct. No sto.
Sutherlin Sky Ranch	3.8 ENE,rd E,S	575	18 S1	80 oct.
Tri-City (Riddle)	3.5 NE,RR N,W	700	19	Pole line N,S. Cattle on fld.
B & H (Creswell,Ore.)	3.3 SSW;RR E	620	16 S6	80 oct. Trees NNE.
Cottage Grove (Ore.)	1.9 S;riv S	640	22 S1	80 oct.
Grants Pass (Ore.)	1.6 N;RR W	1050	26 S5	80 oct. Poles, trees N.

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Gowen)	350 (BE)	SBRAZ-DT,110°2.5	(3)
EAGLE FM	(- - - -)	FM, 321°, 11.5	Boise
GOWEN (Boise)	278(126.18) (118.3)	AC	(4);131.9.126.18.118.3
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise

NEVADA

BATTLE MTN.	281(BP)(116.1)	BMRLZ-VDT, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-VDT, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SBRAZ-DT,219°2.9	(4) Not manned cont.
HUMBOLDT (Int.)	209(HT)(116.1)	BMRLZ-VDT 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-VDT 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno
HUBBARD FLD (Reno)	278	CI	(4)(Wed,Sat,Sun 6-19. other days 8-1630)

3-Simul. Range and Voice: W-Without Voice: 2-VHF Range Station Location Marker;(3)-3105, 4495, 6210 kcs;(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. ± - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW	4700	18	Pole line ENE.
Boise Airpark	1.8 WNW,RR S	2660	25 S6	73,80 oct.Trees SSE, NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
(P) Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE.
Emmett	2.6 SW, RR NW	2300	28 S2	73 oct.
Floating Feather (Eagle)	2 E,hwy W	2635	38 S4	80 oct.Soft when wet.
Glenns Ferry	1.3 WSW,riv S	2556	34 S1	Ltd 80 oct.
(A) GOWEN (Boise)(A)	4.5 SSW	2857	77h R2	INACTIVE.
(A) Mountain Home AAF	10.7 WSW	3004	100h	INACTIVE. (A)
" Site 25,SL-PO	2 WSW	3240	48 L3	
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
Parma	0.6 SSE,RR NE	2225	23 S2	80 oct.25' poles NW.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

NEVADA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Austin OLF (N)	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3	
★ Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	49 S6	80 oct.Mts N,hill W.
(P) ELKO	1.8 W,RR S	5066	62h R1 L5 S4	73, 91 oct.
★ Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
Fallon	6 SE,hwy S	3931	70h R1	Closed,emerg use only.
HUBBARD (Reno)	3.4 SE,RR N	4395	57h R1 L5 S4	80,91 oct. Fld lgts prior req.
★ Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	4000	24 S4	80 oct.Poles ENE,WSW
" Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	31 S2	80 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
Orovada (NC)	1.2 W,hwy E	4300	32	
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fldC-L-O-S-D.
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	52 S4	73,80,91 oct. Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct.Poleline W.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

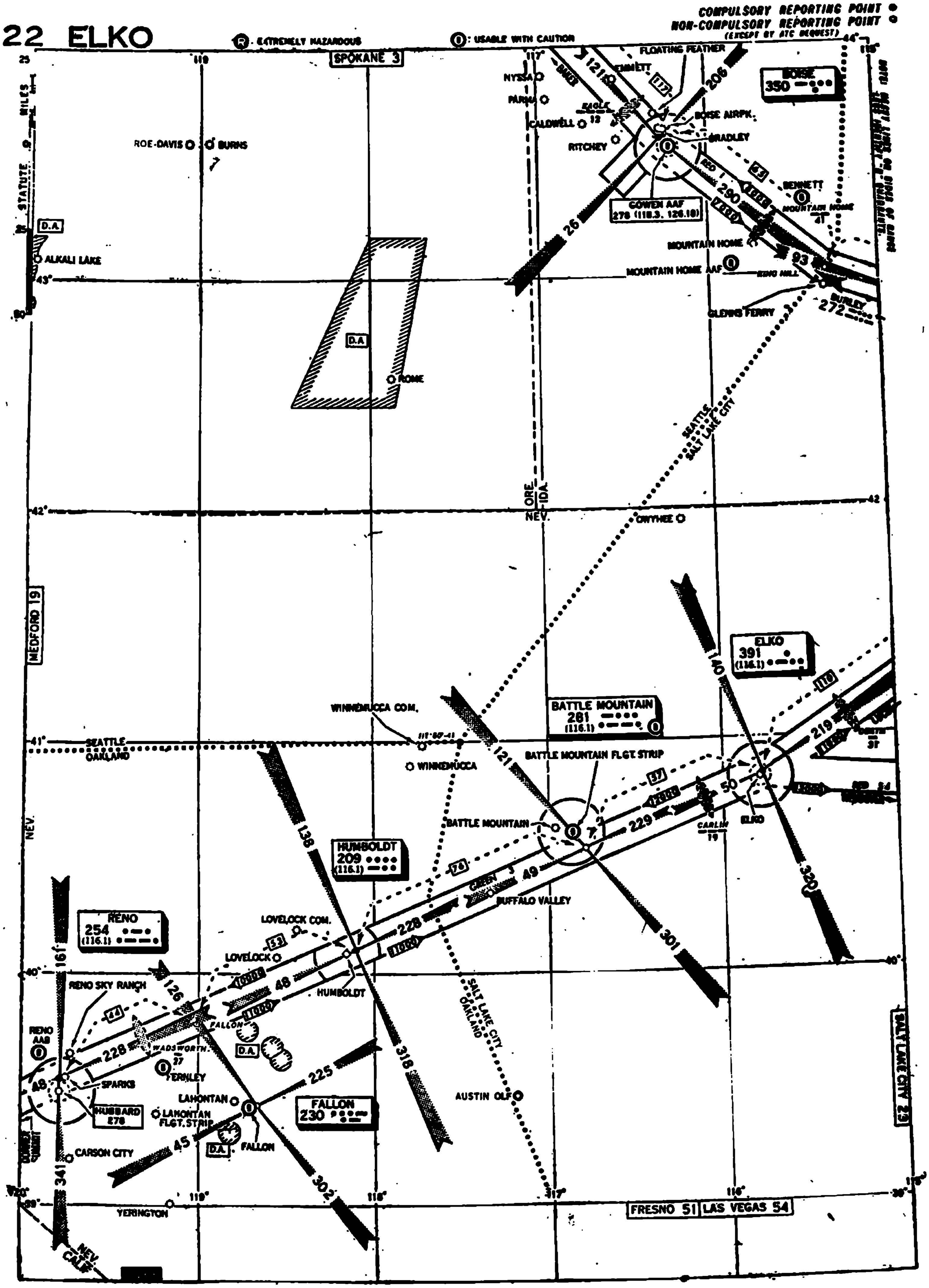
Alkali Lake Flgt Strip	7.5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	26.6 SW,hwy E	4050	60h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted → NEW OR REVISED DATA

22 ELKO

R - EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)



SALT LAKE CITY 23

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF AIRWAYS LEGS IDENTIFY 8 QUADRANTS.

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA

GREAT FALLS 6
ST ANTHONY
REXBURG
IDAHO FALLS 359
JACKSON
FRIEDMAN
CAMAS CO.
On request
GOODING 215
ALBERT
FLYING BAR'S
BURLEY 272
TO KING HILL
POCATELLO AAF
ABERDEEN
HAYFIELD
UNIVERSITY
POCATELLO 257
AMERICAN FALLS
AFTON
GOODING (NEW)
JEROME
TWIN FALLS
BURLEY
MALAD CITY 314
IDAHOME
MONTPELIER
BEAR LAKE CO.
COKEVILLE
STREVELL
MALAD CITY
PRESTON
IDAHO
NEV
STREVELL 335
On request
LOGAN-CACHE CO
HILL CREST
KEMMERER
LUCIN 302
ELKO 22
OGDEN 263
BRIGHAM
HINCKLEY 284
HUNTSVILLE
FORT BRIDGER 382
LUCIN
PROMONTORY POINT
OGDEN
HILL AAF 396 126.18
KNIGHT
EVANSTON
WELLS
WENDOVER AAF 201 126.18
LAYTON
BOUNTIFUL
VENTOSA
LOW
TIMPIE
SALT LAKE CITY NO. 1 278 118.3
UTAH CENTRAL
GRANTSVILLE
SALT LAKE NO. 2
MIDVALE
ALTA
SALT LAKE CITY 227
WENDOVER 248
TOOELE
RIVERTON
FAIRFIELD
DUGWAY AAF
PROVO
SPANISH FORK
FAIRFIELD 362
NEPHI
CARBON CO.
DELTA 212
MT PLEASANT
MANTI-EPHRAIM
YERLAND
DELTA
NEV.
UTAH
LAS VEGAS 54
WINSLOW 55
TO MILFORD
TO ELKO
TO ROCK SPRINGS
STATUTE MILES

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272 (BX)	SBRAPZ-DT,200°,2.7	(4)
GOODING (new)	215 (GG)	MHT	(4)
IDAHO FALLS (Mun.)	359 (IF)	SBMRAZ-DT,192°,2.6	(4)
MALAD CITY (Int.)	314 (WT)	SBRAZ-DT,131°,3.4	(4)
POCATELLO	257 (PQ)	BMRLZ-DT, 56°,2.5	(4)
STREVELL (Int.)	335 (TV)	MHP	(4)
Utah			
CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212 (VZ)(116.1)	SBRAZ-VDT, 7°, 3.6	(4); 116.1
FAIRFIELD (Int.)	362 (JL)(116.1)	BMRLZ-VDT,2°,4.4	(4); 116.1
HILL (Ogden)	396 (126.18)+	CA	(4); 126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-VDP,156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-VDT,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
ROBERT H.HINCKLEY(Ogden)	284	CI	(4)(830-2130 Wed. thru Sun, 1130-2130 Mon. & Tues.)
SALT LAKE CITY	227 (SL)(116.1)	SBRAZ-VDTX	(3); 116.1
→ Salt Lake City Arpt. #1	278 (118.3)	C (ILS); 163°, 3°	(4); 131.9,118.3,126.18,others on request.
TIMPIE FM	(- - -)	FM, 246°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 2.2	(3);126.18
Wyoming			
FORT BRIDGER (Int.)	382 (HM)(116.1)	SBRAZ-VDT,228°,2.4	(4);116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SALT LAKE, UTAH	110.3 ···· ·—··	335		IM-	MM- ·—·· (.71)	OM- ·· (4.69)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW,rd W	4460	32 S6	73 oct.No sto.
Albert (Richfield)	5.2 NE,RR W	4400	23 S2	Ltd 80 oct.
American Falls	2 NE,RR NW	4404	38 S1	73 oct. Poles S.
Arco (NC)	1.5 ESE,hwy W	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE,riv NE	5928	57h	
Buhl (NC)	5.7 W,crk W,E	3690	41	
(P) Burley	1.3 ENE,RR SW	4149	41h R1 L5 S4	80,91 oct.Pole line WNW.
Camas Co. (Fairfield)	0.8 SW;RR,hwy N	5065	31	Pole line E.
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	73 oct.
Friedman (Hailey)	0.8 S,RR E	5300	52 S1	73 oct.
(P) Gooding (new)	3.5 WSW,hwy N	3730	49h R1 L5 S4	81 oct.
Gooding (old)	4 SSW	3570	20	
(P) IDAHO FALLS	2 NW,riv,RR E	4730	52h R1 L3 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4460	29 L3	
Jerome	3.3 ENE	3980	31 S1	73 oct.
MacKay (NC)	0.8 SE,RR NE	5900	30	Rough.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4503	50h R1 L3 S1	73 oct.
Montpelier	0.6 NNE,RR WSW	5900	30 S1	73 oct. Hills,trees S,SW,NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page 4111) NC (not charted) → NEW OR REVISED DATA

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
POCATELLO	5.8 NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 W/NW	4445	84h	INACTIVE.
Preston	1.7 WNW,riv W	4800	28 S2	80 oct.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
St. Anthony	1.1 SSE,RR W	4965	28 S4	73 oct. Poles, trees NNE.
* Strevell Int, 10, SL-PO	0.3 NNW,hwy W	5270	31 R1 L2	Hwy S.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	30	(NC)
(P) Twin Falls	6.5 S,crk N	4200	40 S6	80,91 No sto.
University (Ham's)(Pocatello)	1 ENE,hwy W	4600	35 S2	Hills N,S. No fuel.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	25	UNUSABLE.
INDIANA				
* Ventosa Int,48,SF-SL	0.5 N,RR S	5600	27 L3	
* Wells Int,46B, SF-SL	1.5 S,rd W	5665	29 L2	
Yelland (Ely)	3.5 NNE,hwy E	6258	60h L3 S6	80 oct. Fld lgts prior req.
UTAH				
Alta Arpk (Sandy)	2.3 E,RR W	4800	30	Hwy W.
Bountiful Sky Haven	2.6 WSW,rd E	4222	38 S4	80 oct. Pole line N,NW,SE.
Brigham	3 NW,RR S	4220	37 L3 S6	80 oct.
Carbon County (Price)	2.8 E,RR W	5800	43 S6	80 oct.
Delta	4.8 ENE,	4755	61h R1 L5 S2	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE,riv W	5700	55	Pole line W, NW.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
Hillcrest (Logan)	2.7 NE,RR W	4780	26 S6	80 oct. Mtn SSE.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	42 L3	
Logan-Cache Co. (Logan)	4 NNW,RR E	4460	53h L5 S6	80 oct.
Low Flight Strip	11.8 W,hwy S	4241	71h	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4413	50 R1 L3	
Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	35 S2	No fuel.
Midvale	3 WSW,RR NW	4500	20 S4	73 oct. No sto.
Mt. Pleasant	1.5 SSW,RR NW	5857	48 S2	80 oct.
Myton (NC)	1 E,riv N	5090	31	
Nephi	2.5 NW,RR E	4800	48 S1	Ltd 80 oct.
Ogden Airpark	4 S,hwy NE	4700	31 S4	73 oct. No sto.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	
(P) Provo	2.8 WSW,RR N	4490	71h L5 S6	73 oct.Fld lgts prior req.
→ SALT LAKE CITY #1	2.5 WNW,RR S	4222	55h R3 L6 S6	73,80,91 oct.Rdo rec req.
Salt Lake City No. 2	10.5 SSW,RR W	4617	56h S4	73 oct.
Spanish Fork	2 NW,RR SE	4560	49 S6	80 oct.
Tooele (NC)	1.4 WSW,RR W	4800	30 S4	80 oct. No sto. Mtns SE.
Utah Central(Salt Lake City)	4 SW,RR N	4240	28 S4	73 oct. Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4237	81h R2 L5 S6	73,91,100 oct. JP-1. CLOSED.
WYOMING				
Afton	0.3 SW,hwy E	6239	30 S5	73,80 oct. 40' trees N.
Big Piney (NC)	2 N	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
Evanston	3.6 SSW	6800	39 S1	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
(P) Jackson	9 N,riv W	6400	56 S1	73 oct.
→ * Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L2	
* Knight Int,6,SL-OH	5 S,riv NNE	7615	47 L3	
Hayfield (Tyhee,Idaho)	2 SE;RR W	4600	31 S6	

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	VAR-VDT	4495,3117.5,116.1,131.7
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	VAR-VDT (ILS)	3105,4495,3117.5:131.7, 116.1 only.
COLORADO			
CASPER (Wardwell Field)	269 (CW)(116.1)	SBRAZ-VDT,263°,2	(4): 116.1
DOUGLAS (Int.)	251 (DQ)(116.1)	HVT	(4):116.1
LARAMIE (Gen'l. Brees Field)	245(LR)(116.1)	SBMRAZ-VDT 137°, 2.2	(4):116.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (new)	290(RT)(116.1)	SBRAZ-VDT, 246°,2.8	(4); 116.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-VDT, 80°, 1.7	(4): 116.1
PARKERTON,WYO.FM	(-)	FM; 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WALKER, COLO.	110.3 .- .- .-	335	110°Mag	IM		MM ..... (.69)	OM -- (2.52)
						MMR	OMR

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — COLORADO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	Closed till June '47
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L2 S6	73,80 oct.Poles SE.
Glenwood Sprgs.	2 S	5900	38 S1	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
Leadville (NC)				ABANDONED
Longmont	2.9 W;RR N	5030	40 S6	80,91 oct.Trees NW.
Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
(P) Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
(P) WALKER (Grand Junction)	2.8 NNE;rd W	4842	54h L3 S6	80,91,100 oct.

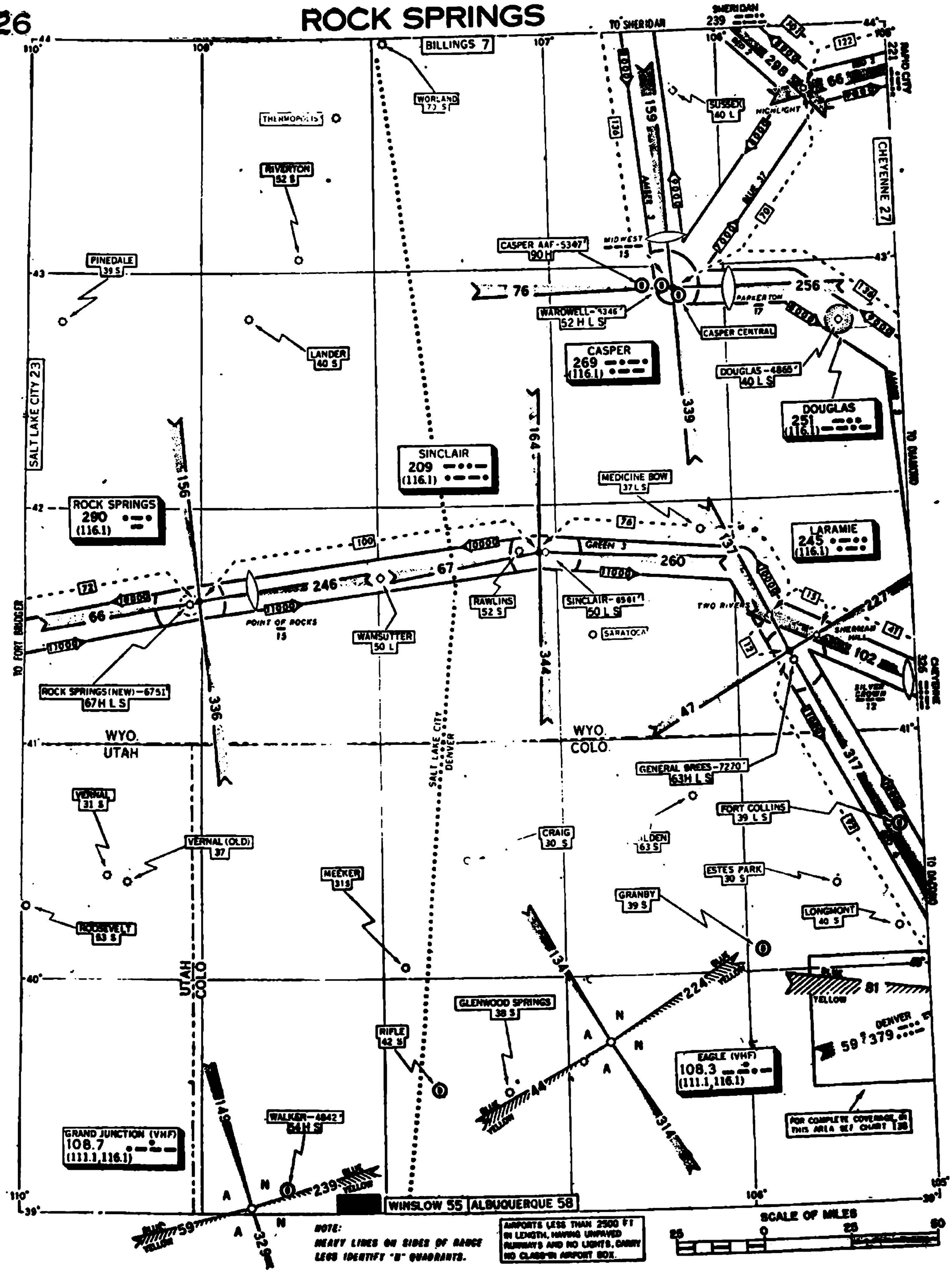
UTAH

Roosevelt	1.3 NE;hwy S	5000	53 S2	80,91 oct.Poleline SE,E
→ Vernal (new)	1 SSE;hwy N,E	5280	31 S6	80,91 oct.
Vernal (old)	7 ESE;riv & E	5200	37	

h-hard surfaced runway. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not Charted. → NEW OR REVISED DATA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	90h	CLOSED.
* Douglas Int,11B, CX-GT	1.5 SE;RR W	4865	40 R1 L3 S1	73 oct.
General Brees (Laramie)	4 W;riv SE	7270	63h R1 L5 S6	73,91,100 oct.
Lander	1.5 S;riv W	5550	40 S2	73 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy NE	7200	39 S2	73 oct.
Rawlins	2.3 NE;RR 1 S	6780	52, S4	80,91 oct.
(P) Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS → (new)	8.8 E;RR N	6751	67h R1 L5 S2	73,80,91,100 oct;80 oct daylgt hrs only.
Rock Springs (old)	3.8 NNW	6370	58	(NC)
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3 S1	73,100 oct.
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	33 S1	80 oct.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR S	6812	50 L3	35 pole line SW
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,91 oct.
(P) Worland	2.8 S;canal NW	4185	70 S1	80, 91 oct.
Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S1	80 oct.Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW,hwy E	6900	41	Poleline E.
Eagle (Colo.)	4.5 WSW;RR N	6496	34	

ROCK SPRINGS



CHEYENNE 27

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓔ: EXTREMELY HAZARDOUS Ⓤ: USABLE WITH CAUTION

BISMARCK 10
MINNEAPOLIS
DENVER
PRESHO
BENNETT CO.
S.D.
NEB.
GORDON MUN.
On request
CHADRON
206
(116.1)
CHADRON
HAY SPRINGS
ROLLING HILLS
HOADLEY
MONDELL
HOT SPRINGS
EDGEMONT
ROCK SPRINGS 26
WYO
S.D.
NEB
LUSK
CRAWFORD
FORT ROBINSON
RAPID CITY
221
346
RED 31
OMAHA 30
STATUTE MILES
TO CASPER
WHEATLAND
EAST
TORRINGTON
MITCHELL
SCOTTSBLUFF
SCOTTSBLUFF
341
(116.1)
121
205
ALLIANCE MUN
ALLIANCE
SENECA
42
191
227
LARAMIE
245
DIAMOND
MEADOWS
17
CHEYENNE
278 126.18
EGBERT
20
ARCHER
IDLE ACRES
25
60
301
SIDNEY
314
(116.1)
OSHKOSH
BIG SPRINGS
391
NORTH PLATTE
236
(116.1)
SIDNEY
BIG SPRINGS
OGALLALA
LEE BIRD
PAXTON
80
256
PINE BLUFFS
NEB
COLO
LORENZO
GREEN 3
CHAPPELL
JULESBURG
SCHWARTZ-JOHNSON
GOTHENBURG
CHEYENNE
326
(116.1)
AKRON
368
(116.1)
154
347
160
171
FOR COMPLETE COVERAGE
IN THIS AREA
SEE CHART 138
CROSIER
STERLING
HOLYOKE
IMPERIAL
HAYES CENTER
244
260
69
140
YOUNG
ALVIN
66
DENVER
379
(111.1)
DACONO
30
HENDERSON
64
AKRON
YUMA
WRAY
HAYES CENTER
400
McCOOK AAF
McCOOK
239
261
WATKINS
15
AURORA
19
RODERICK
180
334
ANTON (VHF) (W)
108.7
ST. FRANCIS
COLO
KANS.
BENKELMAN
NEB
KANS.
ATWOOD
OBERLIN
177
171
DENVER (VHF)
109.1
(111.1)
270
90
87
EDDIE HUTTON
COLBY
267
81
261
FRANKTOWN
39
STRATTON
360
FLAGLER
GOODLAND (VHF) (W)
108.3
GOODLAND (W)
353
MORLAND (VHF) (W)
109.1
357
335
331
PUEBLO
ALBUQUERQUE 58
AMARILLO 59
104°
105°
102°
101°

CHEYENNE

RADIO

COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AKRON (Int.)	368 (RM)(116.1)	SBMRAZ-VDT,154°,3.6	(4);116.1
AURORA LFM	(- - -)	LFM, 155°, 9.5	Denver
DACONO FM	(. . -)	FM, 348°, 20	Denver
DENVER (Stapleton)	379(DV)(111.1)	SBMRAZ-VDTX;155°,2.4	(3);131.7
DENVER (9 mi ENE Stapleton	109.1(DV) 111.1	VAR-VDT	(3);131.7
FRANKTOWN FM	(. . - - -)	FM, 155°, 29.6	Denver
HENDERSON FM	(-)	FM, 348°, 8.6	Denver
WATKINS FM	(- -)	FM, 59°, 14.8	Denver
AMION	108.7(AR)	VARW	

KANSAS

GOODLAND	353(GN)	HW-T	
GOODLAND	108.2(GN)	VARW	
MORLAND	109.1(MC)	VARW	

NEBRASKA

BIG SPRINGS (Int.)	391 (BQ)	BHT	(4)
→ CHADRON	206 (HC)(116.1)	MHVT	(4);116.1
HAYES CENTER (Int.)	400 (KB)	SBMRAZ-DT,64°, 2.1	(4)
NORTH PLATTE (Lee Bird)	236(NQ)(116.1)	SBRAZ-VDT,352°,2.2	(4); 116.1
→ SCOTTSBLUFF	341 (TF)(116.1)	SBMRLZ-VDT;301°,3.1	(4);116.1
→ SIDNEY (Int.)	314 (SD)(116.1)	BH-VDT,350°,0	(4);116.1

WYOMING

ARCHER LFM	(-)	LFM, 76°,5.6	Cheyenne
→ CHEYENNE	326 (CX)(116.1)	SBRAZ-VDT	(3);116.1
Cheyenne Airport	278 (126.18)	C; 76°, 1	(4);116.1,131.9,126.18
EGBERT FM	(. . -)	FM, 76°, 29	Cheyenne
MEADOWS FM	(- - - -)	FM, 341°,16.8	Cheyenne

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

COLORADO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Akron Int.,9,DV-GI	3.9 SE; RR N	4585	53 R1 L3	
★ Alvin Int.,15,DV-GI	3.5 NNE	3600	40 L3	Rds S, N.
Burlington (NC)	0.5 W	4160	32	Pole line S, N.
Crosier (Greeley)	3.5 E; RR N	4648	34 S6	73,91 oct.
Doughty's (Julesburg)	12 ESE	3600	18	PRIVATE,Use in emergency.
Flagler	0.8 S; RR N	4975	48 S1	73 oct. 20' pole line E.
Holyoke	1.8 ESE; RR NW	3720	35 S1	80 oct.
Hugo	1.5 E; RR S	5034	26 S1	80 oct.
Julesburg	2.8 SW; RR SE	3490	24 S6	80 oct. Pwr line S.
Roderick (Lindon)	4.3 N; riv E	4900	26 S1	73 oct.
Stake's Prairie(Limon)	2.2 ENE; RR S	5375	34 S4	73 oct.
(P) Sterling	2.8 W; RR S	4020	37 S6	73,80 oct.
Wray	1.2 NNW; RR S	3400	30 S1	Ltd 73 oct.
Young (Fort Morgan)	6 N; hwy E	4460	52 S4	73 oct.
Yuma	1.4 SSE; RR N	4150	35 S6	73 oct. Poles S, SW.

KANSAS

Atwood	2 N;hwy W	2900	26 S1	73 oct.Data unverified.
Colby	1.8 N; RR S	3150	42 S2	80 oct. Poles SW, W.
Eddie Hutton (Brewster)	1 SE; RR N	3420	35 S2	73 oct.
(P) Goodland	2 NNE; hwy W	3689	37 S6	80,91 oct.Trees NW.
Lenora (NC)	1.2 NNW; hwy S	2325	29	
Oberlin	0.9 NW; RR SE	2684	25 S1	80 oct. Pole line SE, NE.
St. Francis	1 SSE; riv NW	3400	35 S2	80 oct.

NEBRASKA

Alliance	4.6 SE; RR N	3930	92h	
" mun	2.8 SW; RR,hwy E	3965	53 S6	80 oct.
Bayard	1.3 SSW; RR N	3760	25 S2	No fuel. Poles N,E,NW,SE

NEBRASKA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Benkleman	1.2 NNE; RR SE	2990	28 S1	80 oct.
★ Big Springs Int,55,SL-OH	3 WNW; hwy N	3605	35 R1 L3	Pole line E.
(P) Chadron,15,CX-HR	4.8 W; hwy S	3342	45 R1 L3 S4	73 oct.
Chappell	3 E; RR SW	3830	26 L1 S2	80 oct; Pole line W.
Crawford	3.8 NNW; hwy E	3676	35	Poles E, W.
(A) Ft. Robinson (A)	2 S; RR N	3920	18	
Gordon	1.3 E; RR N	3549	34 S4	73,80 oct. Poles N,S,W.
★ Hayes Center Int,21,DV-GI	3 ENE; rd S	3074	51 R1 L3	
Hay Springs	2.5 W; hwy E	3840	17 S2	80 oct. Pole line N,
Imperial	1 ESE; RR SW	3280	36 S4	80 oct.
(P) LEE BIRD (North Platte)	3.2 ESE; riv SW	2779	55h R1 L5 S6	73,80,91,100 oct.
Lorenzo	0.6 WNW; RR E	4400	17 S1	Ltd 73 oct. Cattle on fld.
McCook	2.2 E; RR,hwy S	2586	42 S4	80 oct. Windmill N.
(A) " AAF (A)	9 NNW; hwy E	2784	75h	INACTIVE.
Mitchell	1.6 S; riv N	3950	40 S6	73,80 oct. Trees, poles NW.
Modisett (Rushville)(NC)	2.4 NE; RR S	3475	30	Bldgs, pole line E.
Ogallala	2 W; RR S	3250	26 L1 S6	80 oct. Poles S, SE, SW.
Oshkosh	1.8 SE; riv S	3375	21 S1	Ltd 80 oct. Poles NW,NE.
Schwartz-Johnson (Sidney)	1.6 SSE; RR,hwy N	4120	32 S1	73,80,91 oct.
SCOTTSBLUFF	3.3 E; hwy S	3945	82h R1	
Seneca	2.2 NNW; riv S	3200	26 S1	Ltd 80 oct. Twr NNW.
★ Sidney Int.,50,SL-OH	3 W; RR N	4132	36 R1 L3 S1	Ltd 73,80 oct.
Valentine (NC)	1.5 SSE; hwy E	2579	18	Not maintained.Rough.PolesNE
Gothenburg	Adj E; hwy S		32 S2	80 oct. Data unver
Idle Acres (Potter)	11.8 N; hwy N	4550	21 S4	80 oct.Pole line W.Data unver

SOUTH DAKOTA

(P) Bennett Co. (Martin)	4.4 SSE; riv N	3325	30 S1	73 oct. Pole line sur fld.
Bourassa (Custer)	1 ESE; hwy N	5301	30 S2	73 oct. Poles W, NW.
Edgemont	1.1 SW	3575	30 S2	73 oct.
Hot Springs	5.5 SSE; riv N	3075	52 S2	73 oct.
Presho Mun.	0.8 NW; RR S	1800	22 S1	80 oct. Poles N,NW,S.

WYOMING

(P) CHEYENNE	1 N; lakes WNW	6140	79h R2 L5 S6	80,91 oct. Poles W.
Hoadley (Dull Center)	9.4 NE	4176	24 S1	73,80 oct.
Mondell (New Castle)	6.2 WNW; RR N	4260	36 S2	73 oct.
(P) Pine Bluffs,44,SL-OH	4.2 WSW; RR S	5128	48 L3 S2	80 oct. Pole line N.
(P) Torrington	3.4 S; hwy W	4350	40 S2	73,91 oct. Pwr line S, W.
Wheatland,6,CX-GT	3.4 NNW; riv N	4648	46 L3 S6	80 oct.
Lusk (Wyo.)	2.9 E;RR S	5000	47 S1	73 oct.Poles SE.
East Side(Wheatland,Wyo.)	0.7 E;RR W	4750	21 S1	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA

RADIO — IOWA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
ATLANTIC	257 (IZ)(116.1)	MHVT	(4):116.1
CALIFORNIA FM	(- - - -)	FM, 333°,18	Omaha, Nebr.
GLENWOOD FM	(- -)	FM, 146°,23.8	Omaha, Nebr.
HANCOCK FM	(-)	FM, 73°, 30.5	Omaha, Nebr.
SIOUX CITY	335 (YX)	SBMRLZ-DT	(3)
Sioux City Arpt.	396(126.18,118.3	AC, 337°,1.9	(4),131.9,126.18,118.3
SLOAN FM	(- -)	FM, 157°,8.8	Sioux City
KANSAS			
MARSHALL (Ft. Riley)(Army)	215 (DFY)	SBMRAZ	
Marshall Field	396 (126.18)	CA; 196°,4	(3); 126.18
PHILLIP BILLARD (Topeka)	278	CI	(3)(sunrise-sunset)
TOPEKA	109.1 (PK)	VARW,211°,6	
WALDO	108.7 (LO)	VARW	
MISSOURI			
TARKIO	281 (TK)(116.1)	MHVT	(4):116.1
NEBRASKA			
GRAND ISLAND	260(GI)(116.1)	SBMRLZ-VDT	(4); 116.1
Grand Island AAF	278 (126.18)	CA(ILS);165°,1.3	(3); 126.18 (8-17)
KEARNEY (Army)	536 (DKR)	HW; 130°,5.3	
LINCOLN	385(HK)(116.1)	SBMRLZ-VDT, 170°,2.6	(4); 116.1
MEAD FM	(- - -)	FM, 252°, 28.4	Omaha
OFFUTT (Omaha)	396 (126.18)	CA	(3); 126.18
OMAHA	320 (OH)	SBRA2-DT	(3)
Omaha Airport	278 (126.18)	C(ILS);146°,0.8	(4); 116.1,131.9,126.18,
OVERTON	278 (OV)	MHT	(4)
SOUTH DAKOTA			
SIOUX FALLS	245 (YL)(116.1)	SBRA2-VDT, 83°, 2.3	(4):116.1
KEARNEY AAF, NEBR.	396/126.18)	CA	(4):126.18 (8-17)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Omaha, Nebr.	110.3	335	135° Mag.	IM- ····· (.06)	MM-	OM- -- (4.00)
					MMK-	OMK-
Grand Isl AAF, Nebr.	110.3	335	349° Mag.	IM- (.06)	MM- ····· (1.00)	OM- -- (4.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice, W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IOWA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Atlantic	4.6 NW,RR S	1353	21 S6	80,91 oct.
Atlantic, mun.	1.9 W,RR E	1153	33 R1 L3	Beacon 1.4 mi W.
Briggs (Fiscus)	4.2 NE,RR E	1370	21 S2	80 oct. Trees N.
Cherokee	1 S,RR W,S	1218	19 S1	80 oct.
Clarinda	0.8 SE,RR W	1060	26 S4	80 oct.
Council Bluffs	3 SE,RR S	980	37 S6	80 oct. Bldgs SW.
Denison	2.4 WSW,riv SE	1200	20 S2	80 oct. Trees SSW.
Dunlap	0.5 WNW, RR SE	1160	30 S3	80 oct. Pole line NNE.
Fuller (Milford)	0.7 NNW,hwy E	1440	36 S6	80 oct. Trees,poles E,W S.
Geisinger (Storm Lake)				ABANDONED
Harlan	5 SSW,hwy E	1196	18 S2	73 oct.
Hart (Spencer)	1.6 S,hwy N	1100	26 S4	80 oct. Pole line NE,N.
John E. Peters (Ocheyedan)	1.5 N,hwy S	1425	24 S2	80 oct. 25' pole line S.
Liberty(Sutherland)	2.1 WSW,RR W	1465	23 S6	80 oct. 35' pole line E.
Manning	0.6 SW,RR W	1327	25 S2	73 oct.
McKisick(Rock Rapids)	3 N,riv W	1361	31 S4	80 oct. Trees W.
Missouri Valley	1.5 S,RR W	960	16 S2	80 oct.
Nicholson (Ida Grove)	1.9 WSW,RR N	1120	20 S1	80 oct.
Okoboji Airways (Spirit Lake)	2.8 SW,hwy E	1450	20 S2	80 oct. Poles NE.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted) → NEW OR REVISED DATA

IOWA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Oliver Ranch (Onawa)	5 SE,hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
Randolph (NC)	1.7 NNE,RR W	1050	20	
Red Oak	1.5 W,RR E	1044	25 S2	80 oct. Pole line N.
Sheldon	5 NNE,RR W	1444	33 S6	80 oct. P-line S,W,SW.
Shenandoah	2.8 W,RR SE	960	25 L S2	80 oct. Port rnwy lgts. SE.
(A)SIOUX CITY	7 S,RR E	1097	69h R2 L5 S4	80,91 oct.,91,100 mil.
(P)Spencer	2.9 WNW,RR S	1335	40 S6	80,91 oct. acft.
Storm Lake	3.5 SW,lk NE	1460	36 S2	80 oct. Data unver.
Thorne (Moneta)	2.5 S	1410	25 S2	80 oct. Pole line,trees W
(P)Western Union (Le Mars)	1.3 SW,RR SE	1190	30 S6	80 oct. Low obst.

KANSAS

Belleville	1.8 WSW,hwy S	1520	24 S2	73 oct.
Bern	0.6 S,RR N-	1300	26 S1	80 oct. Pwr line N.
Blosser(Concordia)	1 SSE,hwy W	1510	26 L S2	80 oct. Port rnwy lgts.
Clay Center	1.5 W,hwy S	1200	30 S2	80 oct. Poles S,NW.
Downs	Adj SW,RR N	1550	20 S2	80 oct. Data unver. RR NW
Elkins (Wakefield)	1 SSE,riv NE	1170	13 S1	80 oct. Poles W.
Hawk's (Atchinson)	1.3 WNW	1000	12 S1	80 oct. Poles N,RR S.
Hiawatha	1.3 WSW,RR E	1110	24 S1	80 oct. Pwr line N.
Holton	0.9 E,RR N	1020	21	Trees N.
Huntoon (Topeka)	5.4 W,riv N	1000	18 S6	80 oct. Pwr line N.
Larkinburg	0.3 E Houlton	947	27 S2	80 oct. Hi-lines N. Data unver.
Lawrence	2.5 NNE,hwy S	832	32 L3 S6	80 oct. No bcn. Poles W Lgts prior req.
Manhattan	5.5 WSW	1050	31 S6	80 oct. RR SE.
Mankan (Manhattan)	3.7 ENE,hwy S	1050	30 S6	80,91 oct. Poles sur fld
Mankato	0.8 ESE,RR S	1780	22 S4	73 oct.
(A)Marshall (Ft. Riley)(A)	1.8 SE	1062	45h R2 L5 S6	73,91,100 oct. Ditch E,S
Moritz (Beloit)	1.2 NW,RR S	1420	24 S2	73 oct. Trees E.
(P)Norton	0.7 NNW,hwy E	2365	52 S3	73 oct. Pole line E,S.
PHILLIP BILLARD (Topeka)	3.5 ENE,RR S	879	42h R1 L5 S6	80,91 oct.
(P)Phillipsburg	1.5 S,RR N	1882	33 S1	80 oct.
Pottawatomie (Manhattan)	1.4 NE,RR SE	1100	20 S4	80 oct. Poles SE,NW,NE
Seneca	0.5 W,RR S	1250	24	Poles N,S.
Smith Center	1 SSW,RR NW	1806	27 S1	80 oct.
Summerfield	0.3 SSE,RR W	1450	20 S2	80 oct. Pole line N,NW.
Wood Arpk.(Clay Ctr)	3.5 N,hwy W	1260	15 S6	80 oct. No sto. P-line W.

MINNESOTA

McDowell (Luverne)	8 NW,hwy W	1440	25 S4	80 oct.
Pipestone	1 SE,RR E,W	1735	20 S4	Ltd 80 oct.
Worthington	1.4 N,lk SSW	1580	26 S1	80 oct.

MISSOURI

Craig	0.6 NE,RR SW	875	25 S1	73 oct. Pole line WNW
Tarkio 10, KC-OH	1.2 ENE,RR W	918	40 R1 L3 S4	80 oct. Trees N.

NEBRASKA

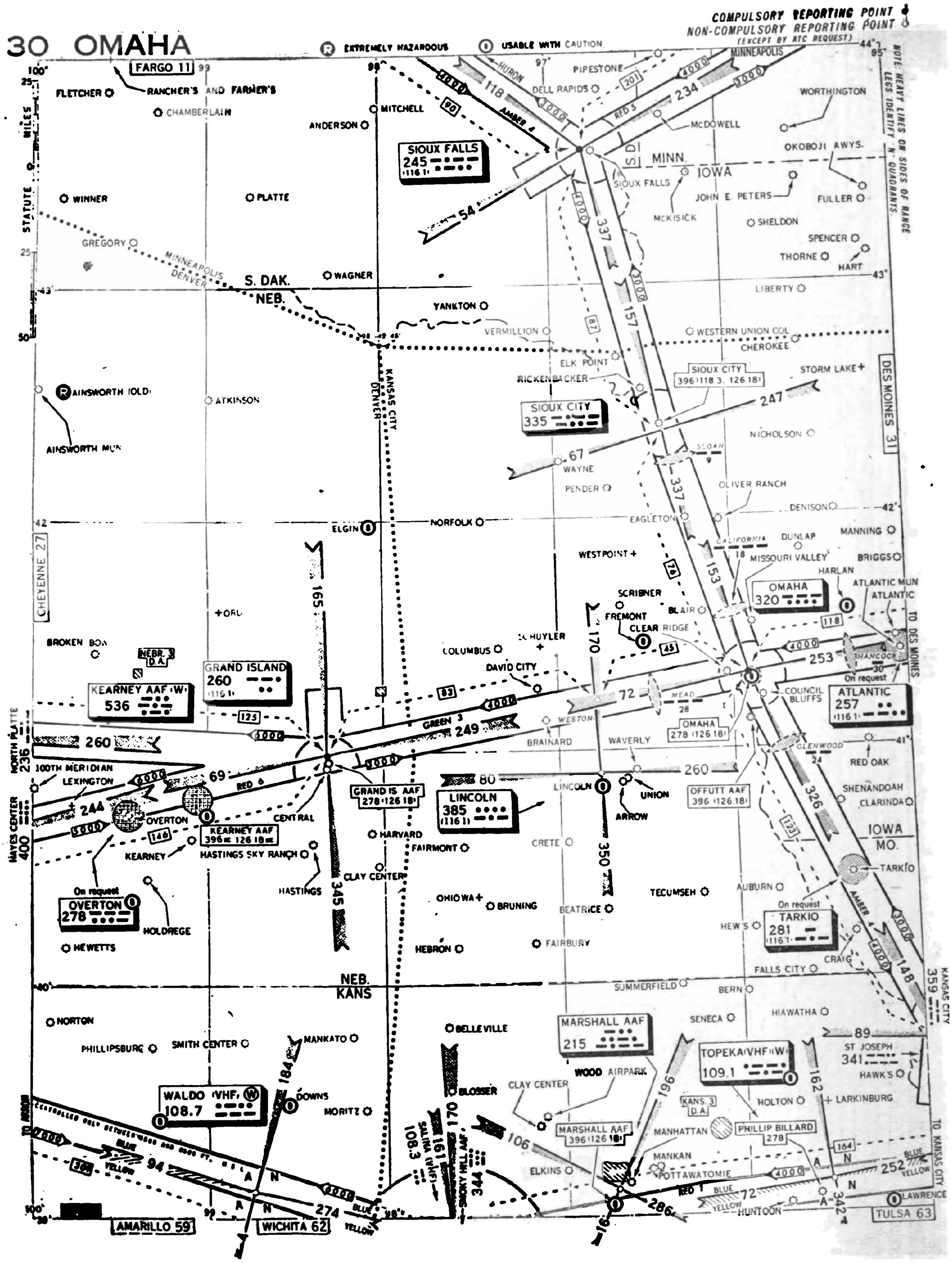
Ainsworth, mun	7 WNW,RR S	2580	73h L5 S6	83,91 oct.
Ainsworth (old)	1 ENE,hwy S	2521	52 S5	80 oct. Pole line S.
Arrow (Lincoln)	4.8 NE,hwy E	1160	25 L S6	73,80 oct. Port rnwy lgts
Atkinson	1.4 SW,riv NE	2109	22	Trees S. Pole line E,SE, N, NW.
Auburn	2.7 E,riv SW	960	25 S6	80 oct. P-line N,NW,NE
(P)Beatrice	3.5 N,hwy E	1260	38h S4	80 oct. Twrs S,SW. Rnwy data unver.
Blair	3 NNW,RR E	1050	24 S6	80,91 oct. Windmill NW
Brainard Int,82,SL-OH	5.5 SW,hwy W	1640	31 L3	
Broken Bow	2 N	2400	30 S6	80 oct.
Bruning	7.7 E,RR N	1544	68h	
Central (Grand Island)	1.7 NE,RR S	1851	33 S6	73,80 oct. P-lines W,S.
Clay Center	1.5 E,hwy N	1800	26 S2	73 oct. N,E.
Clear Ridge (Omaha)	5.2 NW,RR N	1230	24 S6	80 oct. Pole line E.
Columbus	1.3 NE,RR S	1445	25 S6	Pole line SSE,SSW.
Crete	1 S,RR NE	1368	24 L3 S2	73 oct. Lgts prior req.
David City	1.5 N,hwy W	1640	22 S2	80 oct. Windmill E.
Eagleton (Decatur)	1 S,riv NE	1100	26 S2	73 oct. Poles NE,trees NW.
Elgin	0.8 SW,RR E	1930	16 S6	80 oct. Bldgs SE,N.

NEBRASKA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Fairbury	2.5 NNE,RR, hwy SE	1316	26 L S6	80 oct. Port rnwy lgts. P-line W,NW,S.
Fairmont (Geneva)	4.8 NE	1639	70h	
Falls City	2 SSW,riv N	910	14 S1	Ltd 80 oct. P-line N,W.
(P)Fremont	1.4 WNW,RRs NE	1203	36h S4	80 oct. Pole line N,NE,E, SE.
(A)Grand Islapd AAF(A)	3.5 NE,RR W	1843	72h R2 L5 S6	73,91,100 oct. Twr SW.
Harvard	2.5 NE	1817	76h	
Hastings	1.5 NW,RRs N,S	1940	35 L S6	73 oct. Port rnwy lgts.
Hastings Sky Ranch	3.2 WSW,RR N	1960	26 S1	73 oct. P-line S.
Hebron	1 S,RR W	1458	26 S4	80 oct. S appch 6:1, SW 10:1
Hewett's (Beaver City	2.5 NNE,hwy S	2300	40 S1	73 oct. Pole NNW,SSW;
Hew's (Humboldt)	4.2 NNE,RR S	1200	13	Pwr line E. bldg N.
Holdrege	2 NNE,crk S	2324	26 S4	80 oct.
Kearney	4.5 S,riv N	2145	15 S1	80 oct. Trees N;p-line E.
(A)Kearney AAF (A)	4.5 ENE,RR S	2140	73h RI	CLOSED
Lexington	1 W,RR S	2400	32 S5	Data unver.
Lincoln	5.5 NW,RR NE	1190	71h R1 L5 S1	80,91 oct. Fld lgts prior
(P)Norfolk	3 SSW,RR W	1572	58h S4	73 oct. Riv N req.
(A)Offutt (Omaha)(A)	10 S,RR W	1046	61h R1 L5 S4	91,100 oct. No sto.
Ohlowa	3 SW	1572	20	Fence sur fld. Data unver
OMAHA	3.5 NE,lake W	982	54h R1 L5 S6	73,80,91,100 oct. No contact lgts.
100th Meridian(Cozed)	0.8 SW,RR N	2490	22 S1	80 oct. Pole line E.
Ord	1 NW		32 S2	80 oct. Data unver.
Overton Int,69,SL-OH	4.8 E,RR S	2300	40 R1 L3	Bldgs,trees NW;poles NE
Pender	1 NE,RR SW	1400	22 S2	73 oct. Pole line S,SE.
Schuyler	2.5 W,bet RR and hwy		25 S4	80 oct. Data unver.
Scribner	4.1 SSE,hwy N	1315	67h	
Steckley (Weeping Water)	3 S,RR,rd E	1260	26	Pole line N.
Tecumseh	1 W,RR NE	1115	26 S2	80 oct. Trees W;p-line N.
Union (Lincoln)	4.8 NNE,RR S	1140	16h L3 S6	80,91 oct. All lgts prior
(P)Wayne	1.8 E,RR N	1475	33 S4	80 oct. P-line NW. req.
Waverly (Lincoln)	9 NE,RR SE	1180	20	Poles SE,SSW.
West Point	1.5 E,hwy W		16 S4	80 oct. Data unver.

SOUTH DAKOTA

Anderson(Mitchell)	2.7 W,RR N	1293	29 S6	80 oct. Poles sur fld.
Chamberlain	3.4 SE,hwy N	1689	26 S2	73,80 oct. Poles N,NW.
Dell Rapids Mun.	1.6 NE,RR SE	1450	20 S1	73 oct.
Elk Point	2.4 E,riv NE	1120	26 S2	80 oct. Poles N,NW
Fletcher(Reliance)	2 SE,RR NE	1600	20 S1	80 oct.
Gregory	2.2 S,RR NE	2000	22 S2	73 oct. Pole line E,SE.
Mitchell	4 N,hwy E	1292	67h	
Platte	1.2 NNE,RR SW	1650	28 S1	80 oct. Poles NE,SE,S.
Rancher's & Farmer's (Reliance)	9 N,rd N,S		30 S1	73 oct. Data unver.
Rickenbacker(Stevens	1 N,riv E	1114	28 S6	80,91 oct.
SIOUX FALLS MUN.	2.5 NNW,RR E	1420	57h R1 L5 S3	80,91 oct. Contact lgts
Vermillion	3.8 WNW,RR NE	1140	25 S4	80 oct. Poles prior req. N.
Wagner	1.3 S,RR N	1464	30 S1	73 oct. Poles E,NW.
Winner	1.3 NE,RR SW	2038	26 S6	80,91 oct.
(P)Yankton	2.3 N,hwy W	1400	37 S6	80 oct. Twr E.


30 OMAHA
R EXTREMELY HAZARDOUS
O USABLE WITH CAUTION
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.
STATUTE MILES
FARGO 11
FLETCHER
RANCHER'S AND FARMER'S
CHAMBERLAIN
WINNER
PLATTE
GREGORY
MINNEAPOLIS DENVER
S. DAK.
NEB.
WAGNER
MITCHELL
ANDERSON
SIOUX FALLS 245
HURON
DELL RAPIDS
PIPESTONE
MINNEAPOLIS
WORTHINGTON
McDOWELL
OKOBOJI AWYS.
S. D.
MINN.
IOWA
SIOUX FALLS
JOHN E. PETERS
FULLER
McKISICK
SHELDON
SPENCER
THORNE
HART
LIBERTY
YANKTON
VERMILLION
WESTERN UNION COL
CHEROKEE
ELK POINT
RICKENBACKER
SIOUX CITY 335
SIOUX CITY 396 (118 3, 126.18)
STORM LAKE
DES MOINES 31
NICHOLSON
SLOAN
WAYNE
PENDER
OLIVER RANCH
DENISON
EAGLETON
MANNING
CALIFORNIA
DUNLAP
BRIGGS
WESTPOINT
MISSOURI VALLEY
HARLAN
OMAHA 320
ATLANTIC MUN
ATLANTIC
SCRIBNER
FREMONT
BLAIR
CLEAR RIDGE
COLUMBUS
HUYLER
DAVID CITY
HANCOCK
On request
ATLANTIC 257
COUNCIL BLUFFS
WESTON
BRAINARD
WAVERLY
OMAHA 278 (126.18)
GLENWOOD
RED OAK
SHENANDOAH
CLARINDA
IOWA
MO.
TARKIO
AUBURN
TECUMSEH
BEATRICE
On request
TARKIO 281
HEWS
CRAIG
FALLS CITY
SUMMERFIELD
BERN
HIAWATHA
SENECA
ST JOSEPH 341
HAWK'S
LARKINBURG
TO DES MOINES
TO KANSAS CITY
359
AINSWORTH (OLD)
AINSWORTH MUN
ATKINSON
KANSAS CITY DENVER
ELGIN
NORFOLK
CHEYENNE 27
ORL
BROKEN BOW
NEBR. 3 D.A.
KEARNEY AAF (W) 536
GRAND ISLAND 260
KEARNEY AAF 396 126 18
HASTINGS SKY RANCH
KEARNEY
HASTINGS
CLAY CENTER
HARVARD
FAIRMONT
CRETE
GRAND IS AAF 278 126 18
LINCOLN 385
LINCOLN
UNION
ARROW
OFFUTT AAF 396 126.18
OVERTON
On request
OVERTON 278
HOLDREGE
HEWETTS
CENTRAL
OHIOWA
BRUNING
HEBRON
FAIRBURY
NEB.
KANS
NORTH PLATTE 236
HAYES CENTER 400
100TH MERIDIAN
LEXINGTON
WEST POINT
COLUMBUS
DAVID CITY
SCRIBNER
FREMONT
CLEAR RIDGE
BLAIR
WESTON
BRAINARD
WAVERLY
OMAHA 278 (126.18)
COUNCIL BLUFFS
ATLANTIC 257
GLENWOOD
RED OAK
SHENANDOAH
CLARINDA
IOWA
MO.
TARKIO
AUBURN
TECUMSEH
On request
TARKIO 281
HEWS
CRAIG
FALLS CITY
SUMMERFIELD
BERN
HIAWATHA
SENECA
ST JOSEPH 341
HAWK'S
LARKINBURG
TO KANSAS CITY
359
NORTON
PHILLIPSBURG
SMITH CENTER
MANKATO
WALDO (VHF) (W) 108.7
DOWNS
MORITZ
BELLEVILLE
BLOSSER
SALINA (VHF) 108.3
SALINA HILL AAF
MARSHALL AAF 215
WOOD AIRPARK
CLAY CENTER
MARSHALL AAF 396 126 18
ELKINS
MANHATTAN
PHILLIP BILLARD 278
KANS. 3 D.A.
HOLTON
TOPEKA (VHF) (W) 109.1
MANKAN
POTTAWATOMIE
HUNTOON
LAWRENCE
TULSA 63
AMARILLO 59
WICHITA 62
ECCP DOLLED ONLY BETWEEN 4000 AND 6000 FT. B E A N
RED
BLUE
YELLOW
GREEN
AMBER
4000
5000
6000
3000
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DES MOINES 31

COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
R EXTREMELY HAZARDOUS
U USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF BANKS LEGS IDENTIFY 8 QUADRANTS.

MINNEAPOLIS 14 | ROCHESTER 278 (118.7) | ROCHESTER 236 (116.1) | LA CROSSE 371 (116.1) | MASON CITY 227 (116.1) | LONE ROCK 278 (116.1) | MOLINE 224 (116.1) | IOWA CITY 248 | DES MOINES 212 (116.1) | MOLINE 278 On request | MONTEZUMA 278 On request | BURLINGTON 326 | KIRKSVILLE 391 | COLUMBIA 379 | NEW FLORENCE 385 | ST. LOUIS 209 | ST. JOSEPH 341 | CHILLICOTHE 242 | KANSAS CITY 359 | MARSHALL 281 On request | KANSAS CITY 278 (118.3 126.18) | SHERMAN AAF 396 (126.18) | FAIRFAX AAF 278 (118.9 126.18) | DES MOINES 278 (126.18) | NAS OTTUMWA 272 (142.74)

TULSA 63 | ST. LOUIS 66 | CHICAGO 34 | TERRE HAUTE 67 | OMAHA 30 | OMAHA 320 | TO MADISON | TO WALNUT | TO ADVANCE

FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142

STATUTE MILES 0 25 50

RADIO

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARD.HRS. OF OPER.,REMARKS
JERSEYVILLE FM	(-)	FM, 355°,21	St. Louis, Mo.
MOLINE	224(MO)(116.1)	SBRAZ-VDT,142°,12	(4), 116.1
Moline Airport	278	ML, 86°, 2.3	3105 (on req)

IOWA

BURLINGTON	326 (BN)	SBRAZ-DT,357°,1.8	(4)
DES MOINES	212 (DM)(116.1)	SBRAZ-VDT	(3), 116.1
Des Moines Arpt.	278 (126.18)	C, 344°, 2	(4),116.1,131.9,126.18
EARLHAM FM	(- - - -)	FM, 258°, 26.3	Des Moines
IOWA CITY	248 (IX)	BRT	(4)
LUCAS FM	(- - -)	FM, 164°, 27.2	Des Moines
MASON CITY	227(NM)(116.1)	MHVT	(4)-116.1Oper. cont.
MONROE FM	(- -)	FM, 78°, 23.5	Des Moines
MONTEZUMA(Int)	278 (MZ)	MHT	(4)
OTTUMWA NAS	272 (142.74)	CN .	(3), 142.74

KANSAS

FAIRFAX (Kansas City)	278 (126.18) (118.9)	C	(4),126.18,131.9,118.9
SHERMAN (Ft. Leavenworth)	396 (126.18)+	CA	(3),126.18 cont.ex-cept Sun.(23-7)

MINNESOTA

ROCHESTER	236(RR)(116.1)	BMRLZ-VDT,350°,2.5	(3); 116.1
Rochester Airport	278(118.7)	C	(4)-126.18,118.7,131.9

MISSOURI

CHILLICOTHE(Int)	242 (CK)	MHT	(4)
EXCELSIOR SPRGS FM	(-)	FM, 52°, 27	Kansas City
KANSAS CITY	359 (KC)	SBRAZ-DTX	(3)
Kansas City Arpt.	278 (126.18) (118.3)	AC (ILS),148°,3	(4), 116.1,131.9,126.18, 118.3
KIRKSVILLE	391 (KR)	BMRLZ-DT,333°,0.9	(4)
LINKVILLE FM	(- - - -)	FM, 328°, 11.4	Kansas City
MARSHALL (Int)	281 (MH)	MHT	(4)
ST. JOSEPH (Rosecrans)	341 (ZJ)	SBMRLZ-DT,359°, 3.7	(4)

WISCONSIN

LA CROSSE(Int)	371(LE)(116.1)	SBRAZ-VDT,127°,1.8	(4), 116.1
LONE ROCK (Int.)	278(LK)(116.1)	BMLZ-VDT,98°, 0	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in use, Compass Locators in Italics)

LOCATION	LOCALIZER C. P. FREQ.	MAG.	MARKER FREQ. & MILEAGE FROM RUNWAY (OUTER/MIDDLE)	
KANSAS CITY, MO.	109.9	333.8	172° Mag	OM ·····(.01) MM 221----(2.6) IM 248---(11.0)

H-Hiwl. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ILLINOIS

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Beardstown	1.5 SE; RR N,W		18 S2	80 oct. Data unverified.
Carthage	1.5 SSW,RR E	665	19	Pole line NE, E.
Chesterfield Int. 4, LS-CG	3 ENE,hwy N	612	26 L3	
Galesburg	1.7 NW,RR SSW	788	27h L3 S6	80 oct.Fld lgts prior req.Trees SW, NE.
Hi-Way(Flatt)	1.3 NW,RR E	665	20 S1	80 oct.35' poleline S,E.
Jacksonville	3.9 S,hwy E	650	19 S4	80 oct.Trees SW.
Macomb	2.4 E,hwy E	695	23 S6	73,80 oct. No sto.
Matanzas(Havana)	4 S,riv W	480	24 S2	80 oct.Data not verif.
(P)MOLINE	4 S,hwy E	590	40h R1 L3 S6	73,80,91,100 oct.
Monmouth	1.5 NNE,rd E	770	31 L1 S6	80 oct.Poleline E,W,S.
Negus(Alexander)	2.6 WNW,RR SE	645	22	PRIVATE.
Quincy	2.8 SE,hwy E	650	26 S4	80 oct.
St. David	1.5 SW,hwy N	628	22 S2	80 oct. Lgt acft only.

IOWA

Adair	1.5 SSE,RR NW	1350	18 S1	Ltd 73 oct.Trees S.
Adamson Airways	4.8 WSW,hwy N	1000	17 S6	80 oct. (Perry)
Ames	2.5 SSW,RR NW	920	25 S6	80 oct. Lgt acft only.
Armstrong	3.2 NW,hwy S	1250	22 S1	Ltd 80 oct.Trees E.
Audubon Arwys	1 SSE,RR W	1300	15 S1	80 oct. (Audubon)
Beaver	3.4 NW	900	25 S6	80 oct. (Des Moines)

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted). → NEW OR REVISED DATA.

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellevue	3 N,RR W	652	19 S1	80 oct.
(P)BURLINGTON	1.7 SSW,hwy E	696	54h R1 L5 S6	80,91,100 oct.
Canfield(Waterloo)	3.5 NW,RR NE	800	32 S6	87 oct.Pole line N
Carroll	4.2 ESE,RR N	1196	34 S2	80 oct.
(P)Cedar Rapids	6.7 SSW,RR E	860	55h L5 S1	80, 91 oct.
Centerville	3.5 SSW, RR N	1017	25 S2	80 oct.Use strips only
Chapman(Waterloo)	5 E,RR NW	870	33 S6	80 oct.Poleline S.
Charlton C.A.P.	2.3 NNE,RR SE	1050	16 S1	80 oct.
Clarion	1.1 NW	1162	27 S6	80 oct.
Clermont	0.8 S,riv W	800	21 S6	80 oct.Poleline SE,NE.
Clinton	6.2 WSW,RR S	700	27 L S6	80 oct.No sto.Port rnwy
Columbus Jct.	3 N,RR E	580	28 S2	80 oct.Poleline N,E,lgts
Conrad	3 WNW,RR S	1000	23 S2	80 oct.27' bldg E
Cram (Davenport)	2.5 NW,RR SW	646	21 S6	80,91,100 oct.
Creston Arwys	1.6 NE, RR W	1320		UNUSABLE.(NC)
(A)DES MOINES	4.5 SSW,RR W	950	57h R2 L5 S4	80,91 oct.
Dogge (Grimes)	3.5 E,hwy,RR E	335	27 S6	80 oct.
Dows	1.5 SSE,RR NE	1144	26 S2	80 oct.
Dressler(Anita)	7 SSE,rd W	1250	17 S2	80 oct.Trees S.
Dubuque	1.9 NE,riv E	602	27 S6	80 oct.Poles SE,NW.
Dyersv'l Arwys (Dyersville)	0.8 S, RR NE	940	16 S1	80 oct.Pwrlines NW,NE
Elliot Fly Svc.	Adj S	550	Unl. S1	80 oct. (Davenport) (NC)
(P)Emmerts(Eldora)	2.8 NE,lake SW	1000	32 S6	80 oct. Poles NW,SE
Eno(Ft.Dodge)	2.5 E,hwy W	1126	27 S6	91 oct.
(P)Estherville	3.5 E,hwy S	1298	35 L S6	80 oct Port rnwy lgts.
Goodrich&Gross (Strawberry Pt.)	3.5 W,RR NE	1200	19 S1	Ltd 80 oct.Poles SE,SW.
Grand	1.2 SW,RR N	770	20 S2	80 oct. (Grand Mound)
Grundy Center	1.3 ENE,RR S	950	18 S1	80 oct.Pole line S.
Guthrie Center	0.5 NW,riv E	1074	21 S1	80 oct.
Henry's(Floyd)	5 NNE,RR W	1110	14 S1	80 oct.Poles NE.Steep sloped strips.
(P)Hunter (Cedar Rapids)	3 S, riv N	732	27 L3 S6	80,91 oct.Fld lgts prior req. Poles S, E.
(P)IOWA CITY	1.7 SW, riv E	650	43h R1 L1 S6	80, 91 oct. No sto.
Iowa Falls	4.1 S, RR E	1140	24 S2	80 oct.
Jefferson	0.8 NNW,RR S	1052	23 S6	80 oct.No sto.Poleline
Keokuk	4.6 NNW,riv E	670	28 S1	Ltd 80 oct. N.
Lake City	3.5 NNE, RR S	1200	26 S1	80 oct.
* Lamoni Int,10, KC-MP	3 WNW, RR NE	1163	37 L3 S2	73 oct.
Leon	4.1 N, RR SE	1050	20 S2	80 oct.
McVille (Mechanicsv'l)	3.2 WNW,RR S	850	30 S6	80 oct. Poles S,W.
(P)MASON CITY	7 W,hwy S	1215	56h R1 L5 S6	80,91,100 oct. Poles SS
Melbourne	1.5 SW	1000	20 S1	80 oct.Poles N.
Melbourne, com.	0.3 S,RR E	1000	21 S2	80 oct. Pole line E.
* Montezuma Int, 17, OH-CG	3 E,hwy N	853	32 R1 L3	Poles, trees SW. Pwr line N.
Mt.Ayrport (Mt. Ayr)	6.6 N, RR N	1100	21 S1	Ltd 80 oct.Poles N,NE
Mt. Pleasant	2.6 ESE,RR N	727	19 S2	80 oct.
(P)Muscatine	6 SW,RR SE	546	36 L3 S6	80 oct.
Newton	1.5 ENE,hwy S	950	19 S1	80 oct.
Niederhauser	2.3 N, hwy E	890	30 S6	80 oct.(Marshalltown)
Niederhauser Arwys(Grinnell)	4.5 E	1000	26 S2	80 oct.
Ottumwa	3.6 N,hwy W,S	830	32 S6	80, 91 oct.
(N)Ottumwa NAS	6.4 NNW	841	52h R1 L5 S6	73,100 oct. (N)
Pella	3.5 SE,RR N	877	24 S6	80 oct.
Pocahontas	0.8 E	1216	25	Pole line SW
Ryan (Emmetsb'g)	1.3 W,RR N	1225	18 S2	80 oct.Trees NW.
Sac City	3 SSE,riv W	1160	19 S2	80 oct.
Saxon(Ced.Rpds)	7 NE,hwy S	820	31 S6	80 oct.Trees E,SE.
Seymour	2 NNW,RR S	1060	24 S1	80 oct. Hedge S.
Squeeze(Algona)	5 S,riv S	1201	26 S2	80 oct.Pole line NW,W
* Stuart Int,8,OH-CG	3.5 SE,rd E	1189	31 L3	Pole line NE,E.
Tatro Fly.Svc.	2.6 NW,riv W	918	26 S2	80 oct. (Decorah)
Traer	1 ENE,RR SW	895	18 S2	80 oct.Pole line E.
Venture(Ottumwa)	2.8 SSE,RR W	800	13 S6	80 oct.Poleline N,W,NE
Washington	1.5 SSE,RR NE	769	26 S6	80 oct.Poleline E,SE.
Webster City	3.3 SW,riv E	1100	26 S4	80 oct. No sto.
Wesley	1.5 E,RR N	1250	31 S1	80 oct. Poleline N,S.
Mosher(Riceville,Ia)	1 W,hwy S	1263	26 S4	80 oct.P-line S.Data unver

KANSAS

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A)Fairfax (Kans.Cy)	3 NE,RR E	742	65h R1 L5S4	91, 100 oct. (A)
Fisher	1 ESE,RR N	770	26 S6	80 oct.(Edwardsville)
Leavenworth Lecompton	3.6 WSW,RR E	1125	14 S4	80 oct.No sto.Trees, bldg S.
(A)Sherman(Ft. Leavenworth)	1 NNE,RR W	771	60 R1 L5 S4	73, 91, 100 oct. (A)

MINNESOTA

(P)Albert Lea	2.3 N, RR E	1255	32 S6	80 oct.No sto.Poleline
Amboy	1 NNE, RR W	1000	24 S1	80 oct. N.
Blue Earth	3 S,RR E	1111	23 S1	80 oct.Poleline E.
Decker(Austin)	1.7 E,hwy N	1224	26 S4	73 oct.Obsts sur fld.
Fairmont	3.1 S,hwy W	1190	24 S1	80 oct.Poleline W.
ROCHESTER	1.7 SSE,RR W	1040	43h R2 L4 S6	80,91 oct Poleline E,N.
Sherburn	2 WNW,RRs S,E	1300	21 S2	80 oct.Pwr line E,S.
Tri-Mont	0.9 S,RR W,E	1250	22	(Trumont)

MISSOURI

Bailey's (Brookfield)	2 WSW,RR N	800	26 S2	80 oct.Pwr line SE. Poles E,SE,NW bldg
Bailey's Arpk (Chillicothe)	2 SSE,RR W	675	32 S6	80 oct.Poles S.
Bowling Green	1.6 NW,RR E	882	25 S2	80 oct.Poles S,pwrline
(P)Bradley(Moberly)	3 NNE,hwy W	865	37h S6	80 oct.Obsts. SE
Cameron	2 E,RR NW	1050	21 S4	80 oct.Poles N,W,NNW
* Chillicothe Int, 7, KC-CG	3 E	731	25h R1 L3	Pole line S,trees SW.
Edwards	1.2 ENE,RR W	920	17 S1	Ltd 80 oct.(Grant City)
Fayette	1.5 S	660	28 S2	80 oct.Data unverified.
Fordyce(Bethany)	4.8 ESE,RR WNW	1050	22 S2	80 oct.
Green(Mexico)	4.3 ESE,RR S	815	36 L S6	80 oct.Port rnwy lgts.
Hannibal	4.3 WNW,hwy N	735	28 L S6	80 oct.Poleline SW
Heart of America (Kansas City)	4 E,RR E	759	23 S6	80 oct. Port rnwy lgts, Poles,trees S.
Independence	5.8 ESE,RR S	825	23 S6	80 oct.Poles S.
KANSAS CITY	2.5 NW,riv W,S	739	52h R3 L5 S6	80,91,100 oct.Poles E,
Kirksville Arpk 12, KC-CG	Adj SE	927	26	Clsd for winter dike W.
Lexington	7 SE,hwy NE	970	39h R1 L3 S6	91, 80 oct.
* Luray Int,16,	3 WNW,RR NW	650	33 S6	73 oct.PoleLine S,W,SW
Marceline	1.9 ESE,hwy N	727	26 L3	KC-CG
* Marshall Int,7, KC-LS	1.5 N,RR SE	855	20 S1	80 oct. Pole line NNE
(P)Maryville	1.8 S,hwy E	890	39 R1 L3 S2	80 oct.Silo NE corner
Nicholas Marshall	2.2 WNW,RR N	1154	25 S6	80,91 oct.
* Osborn Int,4,	3.8 S,hwy W	770	26 S4	80 oct.Pwr line S
ROSECRANS	1.5 NW, hwy S	1046	32 L3	KC-MP
Savannah	4 NW,riv S	821	60h R1 L5 S4	(St. Joseph)80,91,100 oct.
Slater	1.3 E, RR W	1025	13 S1	80 oct. Fld lgts on req.
Unionville Arwys	0.8 NW,hwy SE	850	36	Pole line adj N.
Vaughn(Trenton)	1.5 ESE,hwy NE	1100	24 S2	80 oct.Pole line N.
	1.2 NNW,RR E	790	26	

WISCONSIN

(A)Camp McCoy(A)	2.6 E Sparta	830	38h	RR W
(P)La Crosse	5 NNW,bet rivs	653	53h L5 S4	80, 91 oct.
* Int,23A,	8 NNW,RR NE	667	37 R1 L3	Pole E.(CG-Twin Cys)
* Lone Rock Int, 15,CG-Twin Cys	2 N,rd W,N	714	39 R1 L3 S2	Ltd 80 oct.Poleline NE
Red Rock (Darlington)	5 SE,RR E		12 S1	80 oct.Data not verif.
Richland Center	6 SSE,hwy W		23 S1	80 oct.Trees E,S.Data not verified
Shullsburg	0.5 S	1000	18 S1	80 oct.Trees SW.Data not verified.
Sparta-Angelo	2.2 NE,RR E	800	25 S1	80 oct. Poles sur fld.
Tomah	1 E,RR N	970	18 S1	73 oct. 180 hill E.
(P)Camp Williams	1 N, RR SW	915	31h	(Camp Douglas, Wisc.)

Elkader Ia.	1.1 ESE;RR S	915	17 S2	80 oct.Pole line NW;
Independence Ia.	4.1 W;RR E	990	23 S2	80 oct.Poles N.
Roth (Oskaloosa)Ia.	2 SSE;RR NE	850	20 S2	80 oct Trees sur fld.
Wicks (Garner)Ia.	1.8 NW;RR S	1230	26 S2	80 oct.Poles NW,SW.
Winterset Ia.	2 W;RR E	1130	20 S4	80 oct.
Quincy,new(Ill.)	9.5 E	760	54h	Data unverified.
Daviess County (Gallatin,Mo.)	1.1 W,RR N	930	16 S1	80 oct.Pole N.
Wiese Fly. Serv. (Lone Tree, Ia)	3.4 NNE		26 S2	80 oct. Hi-line N. Data unver

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASHBURN LFM	(- -)	LFM, 152°, 6.25	Chicago
BRADFORD (Int.)	382 (MQ)	MHT	(4)
CHICAGO	350(CG)(116.1)	SBRAZ-VDTX,152°,2.2	(3); 116.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
GLENVIEW (Navy)	269 (NBU)	BMLZ-DT	(3); 140.58, 142.74
Glenview NAS	236(142.74, 140.58)	CN, 140°, 3	(3); 140.58; 3117.5 on req.
HARVEY (Rubinkam)	385 (GH)	MLWZ, 90°, 2.2	
JOLIET	257 (JO)(116.1)	SBRAZ-VDT,126°,3.7	(4); 116.1
NEWARK FM	(- - -)	FM, 246°, 49	Chicago
PEORIA	356 (PI)	SBMRAZ-DT,178°,2.3	(4)
ROCKFORD (Machesney)	338(RD)(116.1)	SBRAZ-VDT,45°,1.8	(4); 116.1
[redacted]			
LOWELL FM	(. - - -)	FM, 152°, 40	Chicago
McCOOL (Int.)	359(ML)(116.1)	MHVT	(4); 116.1
McCOOL FM	(- - - -)	FM, 270°, 67	Goshen
[redacted]			
GENERAL MITCHELL (Milwaukee)	278 (118.5)	C	(4); 118.5
GENESEE FM	(- - -)	FM, 279°, 25.3	Milwaukee
KENOSHA FM	(- -)	FM, 178°, 24.7	Milwaukee
MADISON (Truax)	400(MA)(116.1)	BMLZ-VDT,314°, 2.6	(4); 116.1
MILWAUKEE (General Mitchell)	242(MK)(116.1)	SBRAZ-VDT,352°,2.5	(3); 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. ++ - Army A C S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ILLINOIS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Albertus (Freeport)	3.8SE,RRS,W	740	33 S4	73 oct. Tank S.
Beloit-S.Beloit (S. Beloit)	1 S; RR E	772	33 S6	80,91 oct. Pole line W.
Bradford Int,29, KC-CG	4.5 NNE	795	26 R1 L3 S1	80 oct. Pole line SW, NE.
Clearview (Earlville)	3 E; hwy S		18 S1	80 oct. Data unver.
Dixon	1.9 ESE,RR S	786	26 L3 S6	73 oct. No bndry lgts. Poles N,S.
Elgin	2.2 N; hwy W	770	24h S1	80, 91 oct.
Evergreen (Warren)	1.4SSE;hwy S	1000	26 S1	80 oct. Trees W.
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct. Trees E.
(N)Glenview NAS (N)	1.6 NW;RR W,E	654	63h R2 L3 S6	91,100 oct. No sto. NAFC
Grayslake	1.1 ENE;rd W	791	26	Trees W,S,E
Interstate (De Kalb)	1.8 E;RR W	900	42h	
Johnsburg Airpark	0.4 SSW;riv S	740	20 S4	80 oct.
Kane County (Elgin)	7 WNW;hwy E	910	21 S4	80 oct. Pole line NE.
Kankakee	3.2 WSW;hwy E	625	26 S4	73,80 oct.Use strips only.Ditch N.
Kiswaukee (Sycamore) (NC)	2.1 SW; rd E	830	18	
Lake County (Waukegan)	4.4 NNW	718	40 S6	80,91 oct. Data unver.
La Salle Co. (Utica)				ABANDONED.
Machesney, 7, CG-Twin Cities (Rockford)	6 NNE;riv W	735	29 R1 L4 S6	73,80 oct. Pole line E.
Momence	3.5 SW;riv NW,N	645	23 S2	80 oct. Trees N,NW,NE.
Morris	4.5 N;hwy W	590	21 S2	73 oct. Poles N,NNE.
Mt. Hawley (Peoria)	6.4 N;rds E,S	700	28 S6	80 oct. Pole line S,E.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

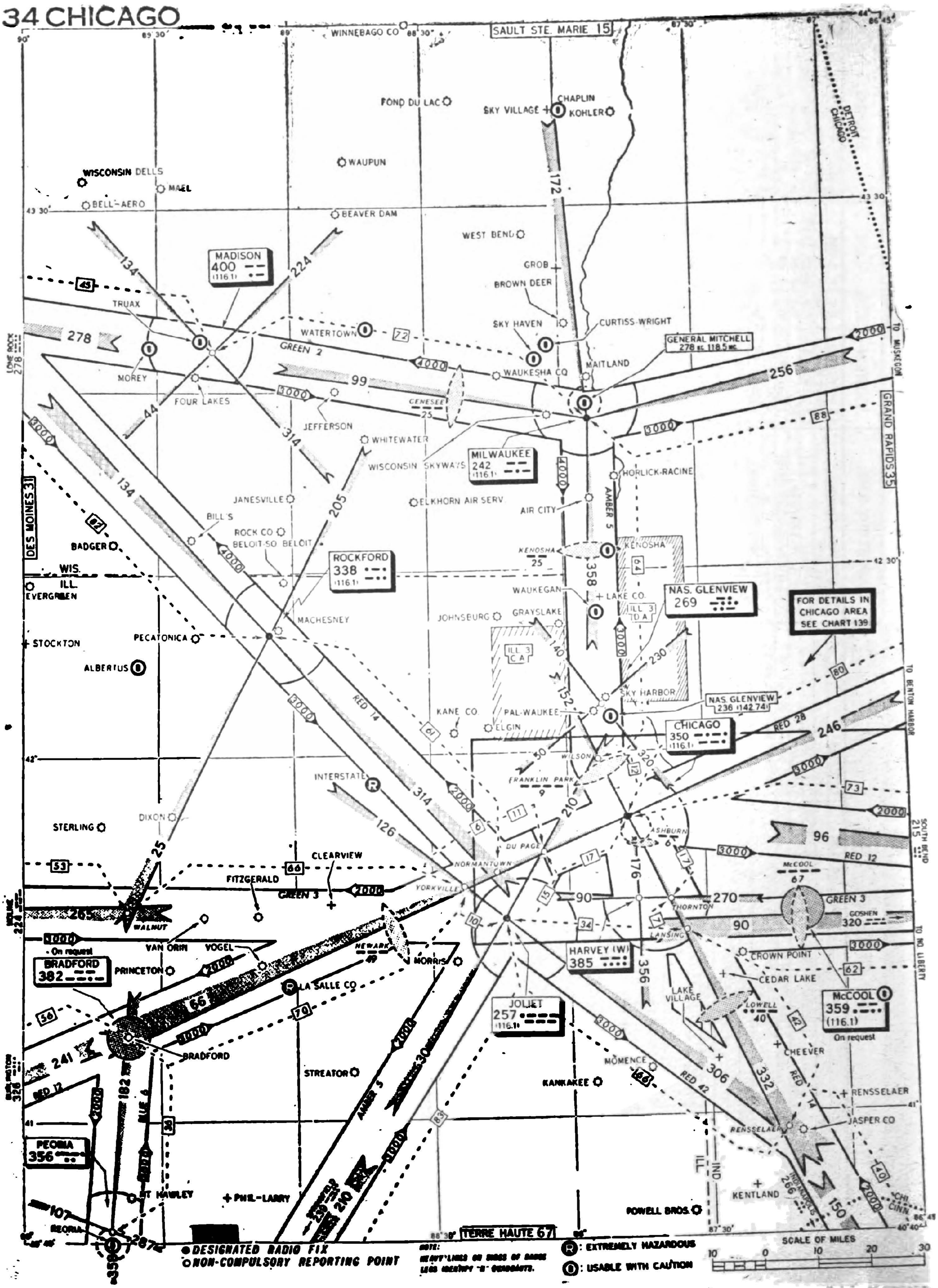
ILLINOIS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Pal-Waukee (Glenview)	5.5 WNW;RR S	642	26 L3 S6	80,91 oct. Pole line N.
Pecatonica	1 N;hwy E	750	24 S1	73 oct. Poles E.
(P)PEORIA	4.8 WSW;rd E	659	44h R1 L1 S6	80,91 oct. Trees W,bldgs NE.
Phil-Larry (Roanoke)	4 W	747	23 S6	80 oct. Data unver.
Powell Brothers (Sheldon)	2.2 S;hwy NE	650	20 S2	80 oct.
Princeton	3 N; creek N		18 S2	80 oct. Data unver.
Sky Harbor (Northbrook)	1.6 NW;RR SE	680	26 S6	80,91 oct. Port rnwy lgts.
Sterling	1.4 NW;hwy E	645	25 L3 S4	80 oct. No bcn. Lgts prior req.
Stockton	2.3 SSE	940	18 S1	80 oct. Data unver.
Streator Air Service	2 ENE;hwy S	650	26 S4	80 oct. Pole line E.
* Van Orin Int, 34, OH-CG	1 ENE;RR S	828	33 L3	Poles W.
Vogel (La Salle)	6.5 NNW;RR E	664	26 S2	80,90 oct.Soft when wet.Poles N,W
Waukegan	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Will County (Steger)	0.5 S;RR W	740	15 S6	Pole line S. No sto or fuel.
[redacted]				
Cedar Lake	1.5 NNW;lake E	751	28 S4	73,80 oct. Data unver.
Cheever (Demotte)	3 W		29 S1	80 oct. Data unver.
Crown Point	1 N		30 S1	80 oct.P-line E.Data unver.
Jasper Co. (Rensselaer)	1.5 WNW;RR NE	676	28 L3	Pole line S; twr SW.
Kentland	6 ENE		19	Data unver.
Lake Village	1 NW;hwy S	650	22 S2	80 oct. Data unver.
Rensselaer	10 NE		18	Data unver.

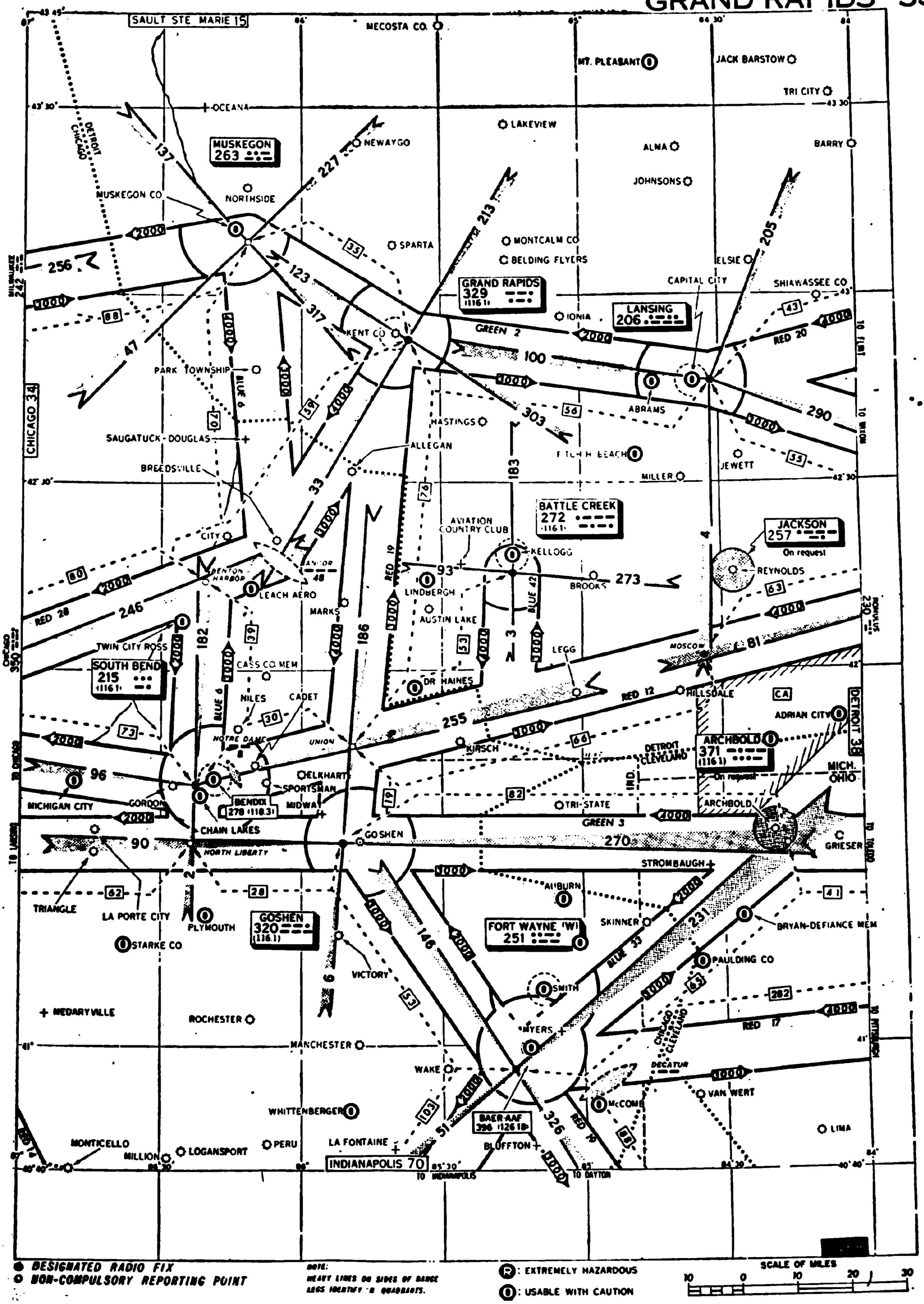
WISCONSIN

Air City (Sturtevant)	0.6 SE;RR E	633	25 S4	80 oct. Pole line NW.
Badger (Monroe)	1.8 SW;RR N	1080	20 S1	80 oct.
Beaver Dam Inc.	2 N;lake W	914	15 S1	80 oct.
Bell-Aero Service (Baraboo)	4 NNW;hwy W	980	21 S4	80 oct.
Bill's (Broadhead)	1.8 S;riv S,W	780	23 S1	80 oct. Pole lines N;trees SE.
Brown Deer (Milwaukee)	10 NNW;RR E	681	25 S6	80 oct. Data unver.
Chaplin Arpk (Plymouth)	0.5 N;RR W		22 S2	80,91 oct. Rnwy data unver.
Curtis-Wright (Milwaukee)	9 NW;riv SW	750	30 S6	80 oct. Rough and rolling.
Elkhorn Air Service	1.5 N;hwy E	1000	13 S1	80 oct. 50' hi-line N.
Fond du Lac	2.6 ENE;lake WNW	769	26 S2	80 oct. Obst lgts prior req.
(P)Four Lakes (Madison)	3 SSE;lake N	881	30 S6	80,91,100 oct.
GENERAL MITCHELL (Milwaukee)	6 S;RR E	675	50h R2 L4 S6	Data unver.
Grob (Cedarburg)	2 N	875	24 S4	80,91 oct. Trees N,SE.
Horlick-Racine (Racine)	2 N;RRs E,W	665	25h L1 S6	80,91 oct.51' twr SE;p-line SE.
Janesville City (Janesville)	1.8 NNE;RRs NW	880	26 S6	Pole line N.
Jefferson	1.7 WSW;RR E	800	13	80,91 oct. Flood lgts.
Kenosha	2 S; RR W	623	29 L S6	80 oct. Obsts sur fld.
(P)Kohler	1 N;hwy S	647	30 L1 S6	80 oct. Obsts sur fld.
Mael (Portage)	1.6 NW;lake SE	820	26 S6	80,91 oct. Stack S.
Maitland (Milwaukee)	3 ESE;hwy W	590	25 S6	80 oct. 30' pole line S.
Morey (Madison)	9 WNW;hwy E	928	34 S6	80,91 oct.
(P)Rock County (Janesville)	4.5 SSW;RR W	807	54h L5 S2	80 oct. Pole line N;trees E,S.
Skyhaven (Milwaukee)	10.5 WNW	800	26 S1	80 oct. Data unver.
Sky Village (Plymouth)	1.8 WNW	900	18 S1	80,91 oct. Fld lgts and sycg not avail. 0030-0730.
(A)TRUAX (Madison)	5 NE;hwy E	858	50h R1 L5 S2	80 oct. Bldg W.
Watertown	1.2 S;riv W	820	24 S2	80,91 oct. Pole line S.
Waukesha County	1.8 N;rd jct NW	904	31 S6	80 oct.
Waupun	3.5 W;RR E	912	14 S1	80 oct.Fld lgts prior req. Poles sur fld.
West Bend Flying Service (West Bend)	2.5 E;riv S	880	21 L3 S6	80 oct.P-line E,ENE;ridge E.
Whitewater	2 N;RR S	810	22 S5	80 oct.No sto.P-line NE,N,W.Rnwy data unver.
(P)Winnebago Co. (Oshkosh)	2 SSW;RR NE	776	50h L1 S4	80 oct. 2 hills SW;trees,pole line NW,NE,SE.
Wisconsin Dells-Lake Delton (Lake Delton)	0.8 SE;riv NW	910	24 S6	80 oct. Trees SW.
Wisc. Skyways(Hales Corner)	0.7 SSE;hwy W	770	21 S2	

34 CHICAGO


SAULT STE. MARIE 15
WINNEBAGO CO
FOND DU LAC
SKY VILLAGE
CHAPLIN
KOHLER
WAUPUN
WISCONSIN DELLS
MAEL
BELL-AERO
BEAVER DAM
WEST BEND
MADISON 400 (116.1)
GROB
BROWN DEER
TRUAX
SKY HAVEN
CURTISS-WRIGHT
WATERTOWN
GENERAL MITCHELL 278 (118.5)
GREEN 2
WAUKESHA CO
MAITLAND
MOREY
FOUR LAKES
JEFFERSON
GENESEE
WHITEWATER
WISCONSIN SKYWAYS
MILWAUKEE 242 (116.1)
HORLICK-RACINE
JANESVILLE
ELKHORN AIR SERV
AIR CITY
BILL'S
ROCK CO
BELOIT-SO BELOIT
BADGER
KENOSHA
ROCKFORD 338 (116.1)
WAUKEGAN
LAKE CO.
NAS. GLENVIEW 269
FOR DETAILS IN CHICAGO AREA SEE CHART 139
WIS.
ILL.
EVERGREEN
MACHESNEY
JOHNSBURG
GRAYSLAKE
STOCKTON
PECATONICA
ALBERTUS
SKY HARBOR
NAS. GLENVIEW 236 (142.7)
KANE CO
PAL-WAUKEE
ELGIN
CHICAGO 350 (116.1)
WILSON
FRANKLIN PARK
INTERSTATE
STERLING
DIXON
CLEARVIEW
FITZGERALD
YORKVILLE
NORMANTOWN
DU PAGE
ASHBURN
McCOOL 67
THORNTON
LANSING
GOSHEN 320
CROWN POINT
CEDAR LAKE
LAKE VILLAGE
LOWELL
McCOOL 359 (116.1)
On request
WALNUT
VAN ORIN
VOGEL
NEWARK
MORRIS
PRINCETON
BRADFORD 382
LA SALLE CO
BRADFORD
STREATOR
JOLIET 257 (116.1)
HARVEY (W) 385
MOMENCE
KANKAKEE
CHEEVER
RENSSELAER
JASPER CO
PEORIA 356
ST HAWLEY
PHIL-LARRY
KENTLAND
POWELL BROS.
TERRE HAUTE 67
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON EDGES OF RADIO LEGS INDICATE "B" BOUNDARYS.
Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

GRAND RAPIDS 35



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY "R" QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

SCALE OF MILES
10 0 10 20 30

RADIO — INDIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAER, FORT WAYNE	396 (126.18)	CA(ILS)	(3);142.74,126.18 (16-8)
BENDIX, (South Bend)	278 (118.3)	C	(4);118.3,126.18,131.9
DECATUR FM	(- -)	FM, 148°, 24.7	Ft. Wayne
FORT WAYNE (Baer Fld)	251 (FW)	MRLWZ; 51°,3.5	
GOSHEN	320(GO)(116.1)	SBRAZ-VDT,89°,2.7	(4); 116.1
NOTRE DAME LFM	(- -)	LFM,75°, 8.2	South Bend
SOUTH BEND (Bendix)	215(SN)(116.1)	SBMRAZ-VDT.75°.3.3	(3);116.1

MICHIGAN

BANGOR FM	(- - -)	FM 213°, 48	Grand Rapids
BATTLE CREEK (Kellogg)	272(JC)(116.1)	BMLZ-VDT, 3°, 3.2	(4);116.1
GRAND RAPIDS (Kent County)	329(GR)(116.1)	BMRLZ-VDT,303°.2	(4);116.1
JACKSON (Reynolds)	257 (JN)	MHT	(4)
LANSING (Capital City)	206 (LJ)	SBMRAZ-DT,286°,3	(4)
MUSKEGON (Muskegon County)	263 (UK)	BMLZ-DT,317°,2.8	(4)

OHIO

ARCHBOLD (Int)	371(XV)(116.1)	MHVT	(4); 116.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
BAER, IND.	110.3		314° Mag.	IM (.05)	MM ····· (1.05)	OM - - (4.55)	
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — INDIANA

AIRPORT — CITY NAME	LOCATION	EL.	CLASS	REMARKS
Auburn	1.3 NNW;RR E	872	27 S2	73,80 oct.Trees sur fld.
(A) BAER (FORT WAYNE)(A)	7 SSW;RR E	798	63h R3	INACTIVE
(A) BENDIX (SOUTH BEND)	3.5 NW;hwy S	778	48h R2 L3 S6	80-100 oct.Poleline S,N.
Cadet (South Bend)	6.5 NE;RR E	730	33 S4	80 oct.Twr W;poleline E
Chain Lakes (South Bend)	5.2 W;hwy N,S	765	22 S3	80 oct.
Culver (NC)	2 E;lake W	815	26	
Elkhart	2.7 NNW;RR S	752	27 S6	73,80 oct.Hedge N.
Gordon (New Carlisle)	2.8 ESE;hwy N	730	13 S1	Fuel avail.Poles E.
(P) Goshen	4.5 SSE;riv SW	823	39 R1 L3 S6	80,91 oct.
La Porte City	2.5 SSW;RR W	801	29 L3 S6	80 oct.Pole line E.
Logansport	4.4 SSW;hwy E	605	27 S1	80 oct,Port rnwy lgts.Poles E,N
McComb (Decatur)	0.9 NW;hwy E	800	20 S4	80 oct.Poles S.
Manchester (No. Manchester)	1.5 W;RR E	752	21	Poles S.
Michigan City	4 E;RR N	650	24 S1	80,91 oct.Pole line E,W,S.
Million (Logansport)	7 SW;riv 2 N	594	15	Pole S.
Monticello (Chalmers)	3 ENE,RR,hwy W	650	26 S2	80 oct.
Peru	3.5 WSW;riv E	740	38 S5	80 oct.
(P) Plymouth	1.5 NW;RR E	898	32 S4	80,91 oct.Poles W,E.
Rochester	1.5 E;RR N	779	18 S4	73 oct.Lake S.Poles N.
Smith (Fort Wayne)	4.5 N;RR E	831	35h L4 S5	80 oct.No storage.
Sportsman (Mishawaka)	3.7 NE;riv S	760	18 S4	73 oct.No storage.Poles E,S.
Starke Co. (Knox)	1.7 S		26 S3	80 oct.Pole lines sur fld.No storage.Data not verified.
Triangle Air Service (Wellsboro)	2 NNE;hwy S	800	23 S2	80 oct.Poles E.
(P) Tri State (Angola)	4.2 W;lake W	900	30 S4	73 oct.
Victory (Warsaw)	4 N; RR E	790	24 S2	Ltd 73 oct.Obsts sur fld.
Whittenberger (Wabash)	1.5 NNW;hwy E	770	20 S2	80 oct.
Myers (Ft. Wayne)	4 SE		24 S2	80,91 oct. Pwr lines NE.Data
La Fontaine	5 NE;hwys N,W		19 S4	80 oct.Data unverified. unver.
Bluffton	0.2 S		31	Unverified.
Medaryville	1.1 NW	645	24 S1	80 oct. Data unverified.
Midway (Goshen)	5 NW		36	Unverified.

MICHIGAN

Abrams (Grand Ledge)	1 NE	844	26 S2	80 oct.Pwr line S,W.Data unver.
Adrian City	3 SW; RR N	800	25 S6	80,91 oct. Obsts sur fld.

AIRPORTS — MICHIGAN

AIRPORT — CITY NAME	LOCATION	EL.	CLASS	REMARKS
Allegan	1.9 E;RR S	701	21 S4	80 oct.Pole line N,E,S,Blocked.
(P) Alma	1.3 NE;riv SE	750	32 S6	80 oct.Poles W.
Austin Lake (Kalamazoo)	8.5 SSE;lake N	860	27 S4	80,91 oct.Poles N
Barry (Saginaw)	3 WSW;riv S	599	19 S4	80 oct.
Belding	2.1 W;RR E	790	27 S4	73 oct.Poles S.
Breedsville Airpark	0.6 WNW;RR E	654	23 S4	73 oct.No Sto.Pole line NE,S,SW.
Brooks (Marshall)	1.3 S;riv N	950	26 L3 S6	80 oct.Trees W,lgtd.
CAPITAL CITY (LANSING)	3.8 NW;RR S	857	42h R1 L4 S6	73,80 oct.
Cass Co. Mem. (Dowagiac)	1 NW;RR SE	760	27 S2	73,80 oct.Pole line E.
City (South Haven)	4 S;RR W	640	30 S4	73 oct.Trees W.
Elsie	0.3 SSE;RR NNE	730	19 SL	80 oct.Pole lines sur fld.
Fitch H. Beach (Charlotte)	1.8 ENE;RR NW	880	25 S6	73 oct.No storage.
Haines (Three Rivers)	2.3 NE;riv SE	820	26 S1	80 oct.Poles N,S.
Hastings	3.2 WNW;RR SW	802	34 S3	80 oct.Pole line N.
Hillsdale	1.6 NW;RR E	1160	19 S4	73,80 oct. No sto.Poles NE,E.
Ionia	3 S;hwy W	810	24 S6	73 oct.Poles NW.
Jack Barstow (Midland)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE.
Jewett (Mason)	1.3 SE;RR W	920	22 S2	73 oct.Poles W.
Johnsons (Ithaca)	1 ENE;RR S	750	17 S2	80 oct.Ltd storage.
KELLOGG (BATTLE CREEK)	3 WSW;RR bed W	936	62h R1 L5 S6	80,91 oct.Fld lgts prior req
(P) KENT COUNTY (GRAND RAPIDS)	3.5 S;RR NE	681	44h R1 L3 S6	73,80,91 oct.Pole line NW.SE. Radio repairs.
Kirsch (Sturgis)	1 NW;RR E	922	24 S4	80 oct.Poles S.
Lakeview	1.1 NNE;lake S	900	19 S6	80 oct. Poles N.
Leach Aero Service(Hartford)	1 NNW;RR E	664	29	Rnwy data unver.
(P) Legg (Coldwater)	1.3 NW	982	32 S2	80 oct.Trees E.
(P) Lindbergh (Kalamazoo)	4 SSE;RR E	872	40h S6	80,91 oct.Poles S.
Marks (Lawton)	1 N;RR S	770	25 S4	73,80 oct.Poles W,ENE.
Montcalm Co. (Greenville)	2.5 S;RR E	800	22 S1	80 oct.
Mt. Pleasant	2.2 NE;RR W	755	36 S4	80 oct.
(P) MUSKEGON COUNTY	3.5 S;lake N	627	40h R1 L3 S6	73,80,91 oct.
Newaygo	0.8 SSE;RR NNW	785	20 S1	80 oct.
Niles	1.5 NE;RR NW	740	24 S2	73,80 oct.Trees N,S.
Northside (Muskegon)	5.4 NNE	590	29 S4	73 oct.No sto.Refinery SW.
Park Township (Holland)	3 WNW;bay S	612	27 L4 S6	73,80 oct.No beacon.Lgts prior req.
(P) Reynolds (Jackson)	2.5 WNW;RR S	990	40h R1 L5 S4	80,91 oct.No sto.Pole line SE,SW.
St.Joseph Co.(Centerville)	5 SE;RR,hwy N	830	15	Pole line N,trees W. (NC)
Shiawassee Co. (Owosso)	2 E;riv S;RR W	740	24 S2	80 oct.Poles sur fld.
Sparta	2.7 SE;RR W	752	25 S4	73,80 oct. Poles N.
(P) TRI-CITY (Saginaw)	10 NW;RR SW	660	57h	"SERV AND L6 LGTS FOR PCA ONLY"
Twin City-Ross (Benton Harbor)	1.5 NNE;RR S	640	38h S6	73,80 oct.
White Cloud (NC)	0.5 N	872	18	Twr SE;poles E,W.
Oceana (Rothbury)	1 W;lakes NE		30 S2	80 oct. Data not verified.
Mecosta Co.,5,GR-TC	1.5 NW;RR E	928	39 L3 S4	80,91 oct. (Big Rapids)
Saugatuck-Douglas(Douglas)	2 S;hwy W.		26 S1	73 oct. Data unverified.
Miller (Eaton Rapids)	1 ENE;RR W	908	21 S6	73 oct.No sto.
Avia.Country Club(Galesburg)	2.5 W		19 S4	80 oct. Data unverified.

OHIO

* Archbold Int,18,CG-LG	3.5 NNW;RR N	716	28 R1 L3		
Bryan-Defiance Memorial (Defiance)	5.2 NW;riv E	705	31 S2	73,80 oct.Pole line S,E.	
Grieser (Wauseon)	2.5 E;RR N	750	24 S1	80 oct.	
(P) Limb	4 WNW;RR N	830	42 S6	80,91 oct.Pole line N.	
Paulding County (Paulding)	2.5 NE;RR W	720	26 S2	80 oct. Poles S.Data not verif.	
Skinner (Hicksville)	1.6 NNW;RR S	810	26 S1	73 oct.Obst sur fld.	
Van Wert	1WSW;hwy S	785	26 S6	80,91 oct. Poles N,S,NW,NE	
Wake (Huntington) Ind.	4 N;hwy E	750	30 S2	80 oct.Trees NE.	
Stombaugh (Bryan,Ohio)	0.5 S		24 S4	80 oct.No sto.Fence E;wire W. Data unver.	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISHOP (Flint)	278	C	(4)
DETROIT CITY (Detroit)	278	C	(4)
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
DETROIT	201 (D)	K; 329°,7.2	Detroit City Arpt.
FLINT	335 (FN)	MHT	(3)
→ ROMULUS (AAF)	230(DT)(116.1)	SBRAZ-VDT 86°,2.5	(3);116.1
SAGINAW	212 (SI)	MHT	(4) (Cont.)
SALINE FM	(- - -)	FM, 261°,20	Romulus
SELFRIDGE (Mt.Clemens)(Army)	388 (DLD)	SBMRAZ	(3); 126.18
Selfridge Field	396 (126.18)+	CA(ILS);119°,2	(3) only
WIXOM FM	(- - - -)	FM, 344°,20	Romulus
→ YPSILANTI (Willow Run)	341 (DYP)	MH; 360°,0.5	Oper cont.
Willow Run Airport	332 (118.7)	CI	(4);118.7 (8-24)

OHIO

AKRON	362(AX)(116.1)	BMRLZ-VDT	(3);116.1
Akron Airport	272 (126.18)	C; 45°,0.4	(4);116.1,131.9,126.18
AKRON LFM	(-)	LFM, 45°,4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 325°,8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM, 201°,10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°,13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDTX,100°, 0.7	(3);116.1
ELYRIA FM	(- - -)	FM,280°,10.9	Cleveland
FINDLAY	209 (JF)	MH	(4)(cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4)(cont.)
HOMERVILLE FM	(. . -)	FM, 31°,83	Columbus
NORTH ROYALTON LFM	(- -)	LFM,145°,10.8	Cleveland
PERRY (Int.)	332(PE)(116.1)	MHVT	(4); 116.1
PORT CLINTON	275(PY)(116.1)	MHVT	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-VDT	(3); 116.1
Toledo Airport	263	C; 10°,2.7	(4)
VERMILION FM	(. . - - -)	FM, 280°,26	Cleveland

CANADA

WINDSOR, ONT.	353(QC)	BRAZ-T; 243°,3.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in Kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
				DECOMMISSIONED			
ROMULUS AAF, MICH.							
SELFRIDGE, MICH.	109.5	332.6	184° Mag.	IM (.23)	MM ••••••(.61)	OM – – (4.31)	
					MMK	OMK	

S Simul Range and Voice. W Without Voice. Z VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 118.1, 137.88, 140.58 mcs

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE; RR W	1020	26 S6	80 oct. Trees S, SW, SE.
Ann Arbor	4 S; RR E	835	28 L2 S6	80 oct. Trees NE.
Baker's (Port Huron)	3 WNW; RR NNE	585	24 S6	80 oct. Poles N, S, NE.
Barr (Birmingham)	1.5 E; RR SW	700	25 S1	73,80 oct. Pole line N.
Big Beaver	0.8 E; hwy W	650	21 S4	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW; RR NW	781	50h R2 L5 S6	80,91 oct.
Burns (Detroit)	8.5 WSW; RR N	625	19 S6	73 oct.
Caro	3 WSW; RR SE	699	22 S2	80 oct. Poles E.
Center (Armada)	2.3 W; RR S	666	25 S1	80 oct. Pole line NNE.
Cromwell City	1 W; RR, riv E	732	25 S2	80 oct. Trees S, E. Rcv req
(M) Detroit NAS (M)	17 SSW	594	47h R1 L5 S6	91,100 oct. ARPT OF ENTRY
DETROIT CITY (Detroit)	5.5 NE; RR S	625	53h R1 L4 S6	73,80,91 oct. Tank W side.
Ford (Detroit)	8.8 SW; RR N	600	37h	PRIVATE.
Forrest (Pontoria)	3.4 S; riv SE	830	24 S1	80 oct. Pole line sur fld.
Hance (Wyandotte)	2.5 W; hwy W	590	33 S6	73 oct. No sto.
Hartsell Air Term.(Wayne)	3.5 NW; RR E	675	18 S6	80 oct. No sto.
Howell	0.8 N; lake E	930	20 L1 S1	80 oct.
James Clements (Bay City)	3.5 S; riv S, W	589	36 S4	80 oct.
Man-Bar (Flat Rock)	0.7 NNE; RR N	590	28 S6	80 oct. Smudge pots prior req. Data unver.

MICHIGAN

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Kriat-Port (Farmington)	3.8 N; jct rds	860	27 S6	73,80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE; RR S	830	34 S6	80 oct. No sto. Poles NW; bldg W,SW
McEnnan (Ypsilanti)	2.7 SSW; rd E, S	738	23 S4	80 oct.
McKinley (Fraser)	1.3 NW; RR K	620	27	Pole line E, NE.
Mettetal (Plymouth)	1.5 SSE; RR E	700	23 S6	73,80 oct. Poles N, W.
Milan	3.8 SW, RR SE	705	23 S2	73 oct. Pole line N.
→ Monroe (Newport)	3.5 SSE; hwy SE	590	29 S4	73 oct. No sto.
Nat'l Fly. Serv.(Detroit)	11.5 WSW; RR W	635	30 S4	73 oct. No sto.Poles NE, NW.
(N) Newport OLF (N)	3 W	608	20h	
Pontiac	6.4 WNW; RR NE	970	21h L4 S6	80,91 oct. Poles S.
(A) Romulus AAF (A)	3 E; RR N	630	61h R1	C-L-O-S-E-D ARPT OF ENTRY
→ Saginaw	4 5 E; RR N	601	33 R1 L4 S4	80,91oct.Poles S,SE,SW
St. Clair Co.(Port Huron)	5.5 SW; hwy S	650	23 L1 S5	80 oct. Poles NE,SE,SW,NW.
Seeley's (Davison)	4 WSW; RR N	780	20 S6	80 oct. No sto. Poles N.
(A) Selfridge(Mt. Clemens)(A)	3 E; lake NE	583	60h R3 L5 S6	73,100 oct. JP-1. Poles E. FOREIGN CLEARING STATION.
Stinson (Wayne)	1.4 SW; RR E	660	25h S1	80 oct. Hi-line N, NE.
Tecumseh	1.8 NNE; RR W	815	26 S6	73 oct. Pole line S.
Thomas B.Joy (Detroit)	13 NE; hwy E	616	24 S6	73,80 oct.No sto.Trees SW.
Triangle (Plymouth)	1.5 ESE; hwy S	700	26 S4	80 oct. 30' poles N.
Warren	1.6 WNW; RR E	625	23 S1	73 oct. Pole line N.
West's (Clio)	4 SW; RR E	690	21 S1	73 oct. Pole line E, NE.
Willow Run (Ypsilanti)	4 E;RR N; riv S	710	74h R2 L5 S1	90,100oct.Rdo rec req.
Wings (Utica)	2.5 SW; RR E	630	26 S6	73,80 oct.Poles N;stumps NW No sto.
Roseville	0.5 S;hwy W	610	29 S6	73,80 oct.Poles S,SW.

OHIO

(P) AKRON	3.4 SE; RR W	1043	44h R2 L5 S4	80,100 oct. No sto.ARPT OF ENTRY.
Ashland	1.8 N	1079	23 S2	73,80 oct. Pole line W
Bricker (Bowling Green)	1 NE; RR W	675	30 S4	80 oct.
Coons (Nevada)	0.3 NE; RR S		21 S2	80 oct. Data not verified.
Berwick (Kellys Island)	1.3 NE	600	18	(NC)
Findlay	1.5 SSW; hwy NW	800	27 R1 L5 S4	80 oct.
Franklin (Toledo)	4.5 WNW; RR S	630	32 S4	80 oct. Pole line all sides.
Gage (Mansfield)	4.5 W; RR SE	1360	13 S2	73 oct.
Galion	1.5 WNW; RR SE	1155	18 S2	80 oct.
* Hayesville Int,27,LV-CV	2.5 WNW; hwy S	1300	30 R1 L3	
Hinde (Sandusky)	2.8 E; RR S	574	30 S6	73oct.Poleline S.ARPT OF ENTRY.
Kent State	2.8 W; RR S	1120	36 S4	80 oct.No sto.Pole line N.
Ling (Barberton)	3 WSW; RR N	1150	30 S6	80 oct. Obsts sur fld.
McKinley (Canton)	2.3 NE; hwy SE	1100	32 S4	80 oct. Poles N,S,E.
Mansfield(old)	3.8 N; RR E	1300	26h L S6	73,80 oct. Pole line SW,W.
Martin (Canton)	4 NNE; hwy SE	1080	30 L S6	80 oct. Pole line sur fld.
Medina Prichard (Medina)	3 WNW; RR NW, SE	1060	29 S6	80 oct.No sto.Poles S.Rnwys unver.
Miller (North Benton)	1.5 W; RR SE	1070	28 S4	73 oct. Poles S.
National Aviation(Toledo)	4.1 NNE; RR E	595	38 S6	91 oct. Pole line S,W,NNE.
Noble (Massillon)	4.5 NNE; hwy W	1080	22 S6	80 oct.No sto. Pole SSW.
Norwalk Airpark (NC)	0.8 NE; RR W	700	18 S2	73 oct. Pole line W.
Parks Airpark (Norwalk)	2 NNE; RR W	690	29 S2	73,80,91 oct. Poles W, SW.
Peninsula (Port Clinton)	4.5 S; hwy E, W	880	29 S1	80 oct. Poles E.
* Perry Int.4R,9W-A2	3.5 E; RR S	587	36 R1 L3	
Port Bucyrus (Bucyrus)	2.3 NE; RR S	692	26 R1 L3	Poles E.
Put-In-Bay	2 S; RR NW, E	1000	26 S6	80 oct. Poles E. ARPT OF Poleline NW.PRIVATE. ENTRY.
Slager (Fremont)	1.2 SSW	590	16	
Snyder (Postoria)	2 NW;RR SW	630	19 S6	73,80 oct.No sto.Poleline
Taylorcraft (Alliance)	1 E; reservoir SSW		32 S1	80 oct.Data unver. N,E,SE.
Tiffin	2.5 NNE; RR SE	1170	22h S5	80 oct.No sto.Poles sur fld.
TOLEDO	1.9 N;RR W	750	26 S4	80 oct.Poles E.
Wellington	8.2 SSE;RR W	621	42h R2 L5 S4	73,81,91 oct.
Westfield (LeRoy)	Adj NW; RR W	850	20 S2	80 oct.Stacks NE.Data unver.
Willard	1.2 SSE;RR E, S	1030	25 S4	80 oct.Pole line W.Rnwy data unver.
(P) Wooster	1.6 SSW;RR NE	960	22 S2	80 oct.Poles N.
Mansfield,mun (new)	3 NNE;hwy SE	1150	32 S6	80 oct.Poles S, SE.
Washtenaw (Ann Harbor)(NC)	5 N	1300	56h S1	73,80,91 oct.
Gridley (Ypsilanti,Mich.)	5 W		26 S2	80 oct. Hi-line S.Data unver
Delton (Plushing, Mich)	4,4 WSW; RR NW	840	24 S5	80 oct.Pole E; woods N.
Skyhaven (Saginaw,Mich)	2 ESE; riv W		26 S4	80 oct. Data Unver.
	2 NNW; riv E	600	29 S2	80 oct. Trees NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) NC-(not charted).

→ NEW OR REVISED DATA

38 DETROIT

R : EXTREMELY HAZARDOUS

O : USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES DO SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

SAULT STE. MARIE 15

JAMES CLEMENTS

SKYHAVEN

SAGINAW

SAGINAW 212

GRAND RAPIDS 35

CARO

CROSWELL CITY

MICH. 3 D.A.

DALTON

WEST'S

On request FLINT 335

FORREST

BISHOP 278

LAPEER

SEELYS

BAKERS

MICHIGAN CANADA

ST. CLAIR CO. MUN.

TO LANSING

ALLEN'S CENTER

OXFORD

SELFRIDGE AAF 388

SELFRIDGE AAF 396 (126.18)

LANSING 206

PONTIAC

HOWELL

WIXOM 20

ROMULUS 230 (116.1)

WASHTENAW

ANN ARBOR

GRIDLEY

McENNAN

SALINE 20

GREEN 2

MITCHELL BAY

RED 1

CLEAR CREEK 248

WINDSOR 353

TO MOSCOW

MILAN

WILLOW RUN 332 (118.7)

NAN-BAR

WILLOW RUN 341

NAS. DETROIT 269 (142.74)

TECUMSEH

NEWPORT OLF

DETROIT CLEVELAND MONROE

On request PORT CLINTON 275 (116.1)

MICH. NATIONAL AVIATION OHIO

FRANKLIN

TOLEDO 263

OHIO 6 D.A.

PUT-IN-BAY

PENINSULA

TO ARCHBOLD

OAK HARBOR

BOWLING GREEN

BRICKER

TOLEDO 239 (116.1)

SLAGER

GREEN 3

HINDE

NORWALK

PARKS

SNYDER

TIFFIN

FINDLAY

TO FORT WAYNE

WILLARD

RED 17

MANSFIELD MUN.

ASHLAND

MANSFIELD

FINDLAY 209

GAGE

FORT BUCYRUS

GALION

TO TROY

DAYTON 245

COLUMBUS 71

COLUMBUS 391

HAYESVILLE

HAYESVILLE 329

TO NEWARK

TO PITTSBURGH

TO WELLSBURG

OVER

DETROIT AREA

WIXOM 20

BIG BEAVER

McKINLEY

BERZ

KRIST-PORT

WARREN

THOMAS B. JOY

ROSEVILLE

WINDSOR 353

RED 20

DETROIT CITY 278

DETROIT 201

GREEN 2

METTETAL

TRIANGLE

BURNS

NATIONAL FLY. SVC.

HARTSELL AIR TERM.

FORD R

STINSON

ROMULUS 230 (116.1)

ROMULUS AAF

HANCE

RED 12

RED 27

SCALE OF MILES 5 0 5 10

CLEAR CREEK 248

86

GREEN 2

122

BUFFALO 39

CAN. OHIO

62

FOR DETAILS IN CLEVELAND AREA SEE CHART 139

CLEVELAND 344 (116.1)

On request PERRY 332 (116.1)

PERRY

AMBER 6

ERIE 371

CLEAR CREEK 248

TO ERIE

TO YOUNGSTOWN

VERMILION

ELYRIA

AVON LAKE

BRECKSVILLE

BLUE 11

BLUE 15

NORTH ROYALTON

PARKMAN

KENT STATE

AKRON 362 (116.1)

AKRON 272 (126.18)

LING

MILLER

TAYLORCRAFT

WESTFIELD

WOOSTER

NOBLE

McKINLEY

MARTIN

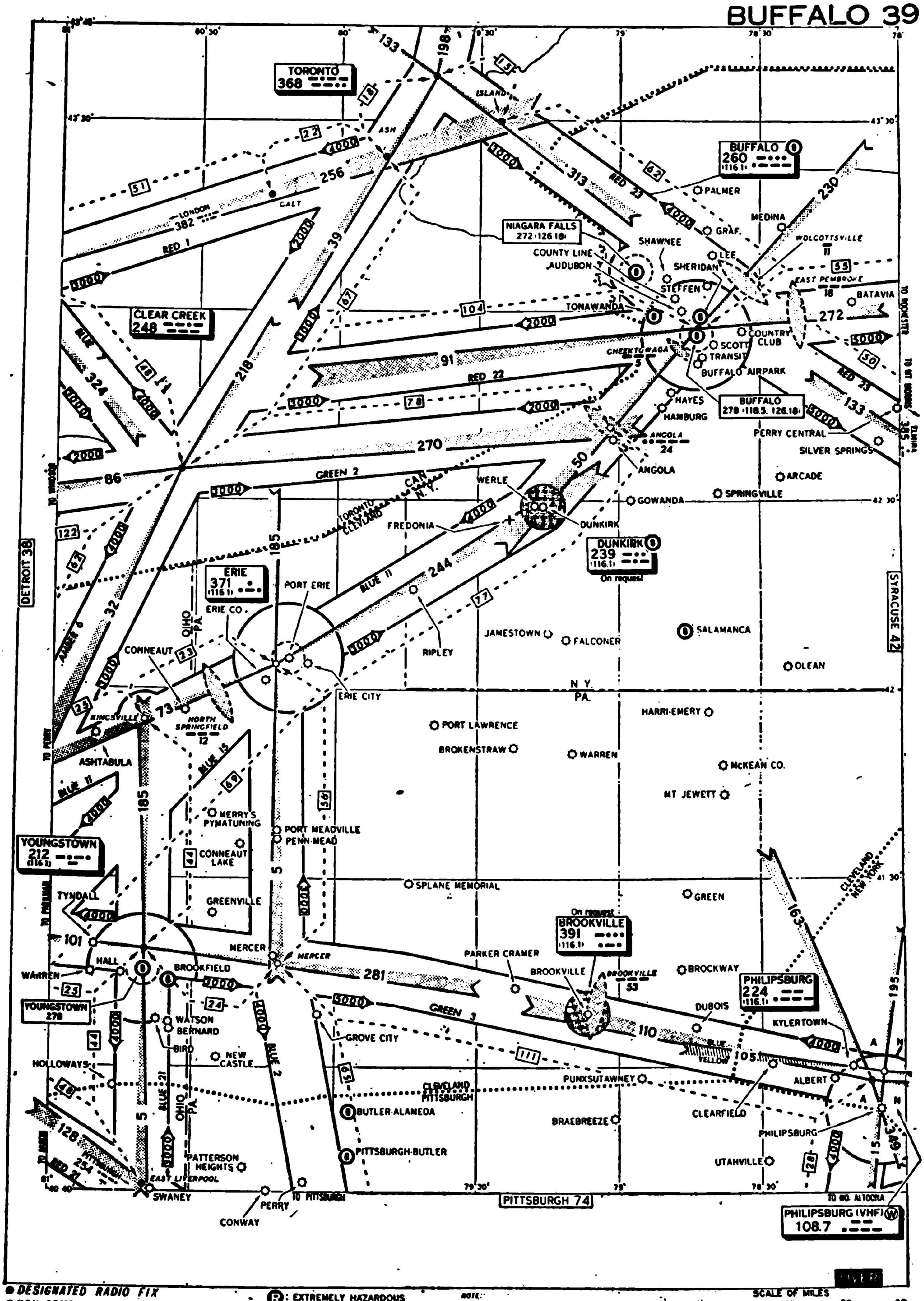
CLEVELAND

PITTSBURGH

HOMERVILLE

MEDINA-PRICHARD

BUFFALO 39


TORONTO 368
BUFFALO 260
NIAGARA FALLS 272 126.18
CLEAR CREEK 248
ERIE 371
YOUNGSTOWN 212
DUNKIRK 239
On request
PHILIPSBURG 224
BROOKVILLE 391
PHILIPSBURG (VHF) 108.7
PITTSBURGH 74
LONDON 382
YOUNGSTOWN 278
PHILIPSBURG 53
ANGOLA 24
BUFFALO 278 118.3 126.18
ISLAND
ASH
CALT
PALMER
MEDINA
GRAF.
WOLCOTTSVILLE
SHAWNEE
COUNTY LINE
AUDUBON
LEE
SHERIDAN
STEFFEN
EAST PEMBROKE
BATAVIA
TONAWANDA
CHEEKTOWAGA
COUNTRY CLUB
SCOTT TRANSIT
BUFFALO AIRPARK
HAYES
HAMBURG
PERRY CENTRAL
SILVER SPRINGS
ARCADE
SPRINGVILLE
GOWANDA
WERLE
DUNKIRK
FREDONIA
TORONTO CLEVELAND
CAR N.Y.
PORT ERIE
ERIE CO.
OHIO PA.
CONNEAUT
KINGSVILLE
NORTH SPRINGFIELD
ASHTABULA
MERRY'S PYMATUNING
CONNEAUT LAKE
GREENVILLE
PORT MEADVILLE
PENN-MEAD
TYNDALL
HALL
WARREN
BROOKFIELD
WATSON
BERNARD
BIRD
NEW CASTLE
HOLLOWAYS
EAST LIVERPOOL
SWANEY
PERRY
CONWAY
TO PITTSBURGH
GROVE CITY
BUTLER-ALAMEDA
PITTSBURGH-BUTLER
PATTERSON HEIGHTS
CLEVELAND PITTSBURGH
SPLANE MEMORIAL
MERCER
PARKER CRAMER
BROOKVILLE
BROCKWAY
DUBOIS
KYLERTOWN
PUNXSUTAWNEY
BRAEBREEZE
CLEARFIELD
ALBERT
PHILIPSBURG
UTAHVILLE
TO BG. ALTOONA
JAMESTOWN
FALCONER
SALAMANCA
OLEAN
RIPLEY
ERIE CITY
N.Y.
PA.
HARRI-EMERY
PORT LAWRENCE
BROKENSTRAW
WARREN
McKEAN CO.
MT JEWETT
GREEN
CLEVELAND NEW YORK
TO ROCHESTER
TO SYRACUSE
DETROIT 38
TO BUFFALO
TO ERIE
TO BRADFORD
TO OIL CITY
TO BRIDGEVILLE
TO MEADVILLE
TO ERIE
TO BUTLER
TO NEW CASTLE
TO BEAVER FALLS
TO ZELIENOPLE

RADIO

NEW YORK

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANGOLA FM	(. . - - -)	FM, 230°, 24	Buffalo
BUFFALO	260(BJ)(116.1)	SBRAZ-VDT	(3); 116.1
Buffalo Airport	278 (126.18) (118.5)	AC;230°,0.9	(4);118.5,126.18,131.9
CHEEKTOWAGA LFM	(- - -)	LFM,230°,4.7	Buffalo
DUNKIRK	239(DK)(116.1)	MHVT	(4); 116.1
EAST PEMBROKE FM	(- -)	FM, 90°, 17.5	Buffalo
NIAGARA FALLS AIRPORT	272 (126.18)	CI	(4);126.18 (8-20)
WOLCOTTSVILLE FM	(-)	FM, 50°, 11	Buffalo

OHIO

YOUNGSTOWN	212(CT)(116.1)	BMRLZ-VDT	(4);116.1
Youngstown Airport	278	CI; 185°,3.5	(4); (630-2030)

PENNSYLVANIA

BROOKVILLE FM	(- - -)	FM, 290°, 53	Philipsburg
BROOKVILLE (Int:)	391(BR)(116.1)	MHV	(4);116.1
ERIE (Port Erie)	371(ER)(116.1)	SBMRAZ-VDT,64°,2	(4); 116.1
NORTH SPRINGFIELD FM	(- - -)	FM, 253°, 12	Erie
PHILIPSBURG	224 (MJ)(116.1	SBRAZ-VDT,169°.5	(4):116.1
PHILIPSBURG	108.7 (MJ)	VARW	

CANADA

CLEAR CREEK, ONT.	248 (QO)	BRAZ-T	(4)
TORONTO, ONT.	368 (YZ)	SBRAZ-TX	3105,6210,3117.5

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers on Frequency Column Indicate VHF Voice. + - Army ACS transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW YORK

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Angola	1.4 N;RR SE	610	15 S1	80 oct.
Arcade	2 N;RR E,W	1740	22 S4	Ltd 80 oct.No storage.
Audubon (Getzville)	1.7 SSW;RR N,SW	580	19 S6	80 oct.
(P) Batavia	2.4 NNE;rd W	910	30 S6	80 oct.Pole line W.Trees E.
Buffalo Arpk (Gardenville)	1.5 ENE;rd S	680	27 S6	80 oct.
(N) BUFFALO	6.1 ENE;RR NE	712	56h R2 L6 S6	80-100 oct.ARPT. OF ENTRY.
Country Club (Clarence)	2.3 SSE;RR S	800	36 L S6	80 oct.Trees SW.
County Line (No.Tonawanda)	3.4 E;RR SW	577	21 S4	80 oct.
(P) Dunkirk	3 E;RR N,S	692	40h R1 L5 S2	80 oct.
Erie Co.Aero Park (Hamburg)	3.5 WSW;RR E,W	750	18	Pole line S.UNUSABLE.(NC)
Falconer	1.3 NNE;RR S	1250	22 S4	80 oct.Obsts sur fld.
Fredonia	3.5 W;RR SE		27 S2	80 oct.Pole line N,NE,E.
Gowanda	1.4 NNW;crk W	760	22 S6	80 oct.No storage.
Graf (Lockport)	2.8 N;RR S	380	15 S6	80 oct.
Hamburg Airpark Inc.	2 NNW;RR,hwy W	722	23 S2	80 oct.Pole line NE.
Hayes (Blasdell)	0.7 SSE;RR E,W	723	20 S4	80 oct.No storage.
Jamestown	4.1 N;hwy E	1719	27h S6	80 oct.Trees S.
Lee (Lockport)	1.8 SSE;hwy N	640	18h S2	80 oct.Pole line N.
Medina	2 W;RR S	500	21 S1	80 oct.Obsts sur fld.
(P) Niagara Falls	4 E;RR N	587	55h R1 L5 S4	80-100 oct.JP-1.No sto.
Olean	1.8 SE;RR N	1440	22 S6	80 oct.Trees W,N;hill S.
Palmer (Olcott)	1.2 SSW;RR S	315	17 S2	73 oct.Pole line E.
Perry Central	1.7 NNW;lk SSW	1400	23 S1	80 oct.Pole line,trees N,E.
Perry Fly.Service (Perry)	3.3 W;RR W	1640	21	Pole lines NNE. (NC)
Ripley	1.4 WNW;lake N	650	22 S4	80 oct.No storage.
Salamanca	1.6 W;RR N,S	1370	12 S6	80 oct.
Scott (Lancaster)	1.5 E;RR N,S	680	22 S1	80 oct.Pole line SW.Rnwy data unverifie
Shawnee Flying Service (North Tonawanda)	4.5 NNE;riv SE	580	33 S6	80 oct.Pole line E,W.
Sheridan (Williamsville)	2.5 NE;hwy SE	640	38 S6	80 oct.No storage.
Silver Creek (NC)	1 WSW;hwy SE	720	11	Trees E. NW.
Silver Springs	0.5 E;lake NE	1420	15 S1	80 oct.
	7.3 NW	570	103 S6	80 oct. Ramp; all face.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII, (NC)-Not charted.

→ NEW OR REVISED DATA

NEW YORK

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Springville	1.5 NE;RR W	1395	26 S4	80 oct.Pole line N,E.Rnwy info unver.
Steffen (East Amherst)	3.5 N	582	22 S6	80 oct.Obsts sur fld.
Tonawanda	3 SSW;RR E	610	30h S4	80 oct.Rough.Obsts sur fld.
Transit (Depew)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Werle (Dunkirk)	1.8 ENE;RR N,S	640	22 S1	80 oct.Poles,trees sur fld.
Westfield (NC)	1.5 WSW;hwy N	758	18 L1	S blocked.

OHIO

Ashtabula	3.1 W;lake N	621	17 S2	80 oct.
Barnard (Youngstown)	3.4 E;lake NE	1140	28 S6	73,80 oct.Pole line N,S,W.
Bird (Youngstown)	2.6 NE; RR W	1000	22 S4	80,91 oct.Pole line W,N.
Brookfield	0.8 W;RR W	1130	20	Poles N,E.
Conneaut	2 ESE;hwy S	670	18 S1	80 oct.
Hall (Warren)	3.5 ENE;RR NW	900	26 S2	73,80 oct.Poles E.
Holloways (Greenford)	1 ENE;RR W	1250	15 S1	80 oct.Wires E.
Sky Harbor (Williamsfield)	1 S;hwy E	1140	26	Poles E. (NC).
Swaney (East Liverpool)	4.9 NW;crk SE	1170	22 S2	80 oct.
Tyndall (Warren)	6 NNW;RR E	940	30 L1 S4	80 oct.No storage.
Warren Airways	2.3 WNW;RR S,E	900	22 S2	73 oct.Trees S.
Watson (Youngstown)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
YOUNGSTOWN	11 N;hwy E	1178	39h R2 L5 S6	73,80,91 oct.

PENNSYLVANIA

Albert (Philipsburg)	5.5 NNW;rd N	1750	38 S5	80,91 oct.P-line sur fld,Rnwy data unver.
Braebreeze (Marchand)	0.3 N;RR NW	1650	18 S2	80 oct. Trees N,NE.
Brockway	1.3 NE	1700	18	
Brokenstraw (Youngsville)	2.6 W;RR S	1230	17 S4	73 oct.
★ Brookville Int,45A,CG-LG	2 WSW;RR E	1416	30 R1 L3 S1	80 oct.
Butler-Alameda (Butler)	3.4 WNW	1340	24 S6	80 oct.Pole line E.
Clearfield	1.5 WSW;RR SE	1220	20 S1	80 oct.Pole line NE.
Conneaut Lake	1.7 WSW;hwy SE	1250	18 S2	80,91 oct.Pole line SE end.
Conway	0.7 N	950	24 S4	80 oct.Hill N.Rnwy data unverif.
Dubois	1.7 ESE;RR NE	1575	30 S6	80 oct.
Erie City (Kearsarge)	0.5 W;hwy E	900	29 L S6	80 oct;Port rnwy lgts.Poleline SE
Erie County (Erie)	11.6 SW;hwy N	805	24 S6	80 oct.Poles N,E,S.
Green (Ridgeway)	3 NW;hwy,RR E	1720	21 S2	No fuel.Trees NNW.
Greenville	2.3 W;RR E	1180	17 S2	80 oct.Pole line S.
Grove City	2.1 SSE;RR E	1275	19 S4	80 oct.
Harri-Emery (Bradford)	2.3 WSW;RR E	1490	20 S4	80 oct.
Kylertown	1 WNW	1660	40 S4	80 oct.Trees S,WNW.
(P) McKean County (Bradford)	11 S;RR SW	2140	45h	
Mercer	4.8 NNE;RR W	1300	20 L1 S6	80 oct.
Merry's Pymatuning (Linesville)	1.5 NW;RR E	1200	21 S2	73 oct.Pole line NNE.
Mount Jewett	0.8 ESE;hwy N	2240	19 S4	80 oct.
New Castle	4 WNW;hwy SE	1080	29h S5	80 oct.
Parker Cramer (Clarion)	1ENE;riv N	1480	18 S1	80 oct.
Patterson (Beaver Falls)	1.5 S;RR,riv E	1020	26 S4	80 oct.
Penn-Mead (Meadville)	3 SSW;hwy E	1365	20 S2	73 oct.
Perry (Mars)	5 E;hwy E	1060	16 S6	80 oct.No sto.Pole line E.
Philipsburg,Site 51A,CG-LG	7 E;hwy N	1940	30h R1 L3	
Pittsburgh-Butler (Butler)	6.7 SSW;hwy E	1235	49 L1 S6	80 oct.
PORT ERIE (Erie)	6 WSW;RR SE	735	46h R1 L6 S6	80,91 oct.
Port Lawrence (Corry)	1.2 S;RR N	1745	23 S2	73 oct.Pwr line NW.
Port Meadville (Meadville)	3.4 W;hwy S	1400	32h L4 S6	80 oct.
Punxsutawney	3 NE;hwy S	1470	22 S2	Ltd 80 oct.Pole line ESE,S.
Splane Memorial (Oil City)	4.1 NNW;hwy E	1490	22h L S4	80,91 oct.Port. rnwy lgts.
Utahville	1N;RR S	1800	22 S2	Ltd 73 oct.
Warren	2 WSW;RR N	1100	23h L S4	80 oct. Port rnwy lgts.

SYRACUSE

RADIO

NEW YORK

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS. OF OPER., REMARKS
DANSVILLE	212(DA)(116.1)	MHVT	(4); 116.1
ELMIRA (Chemung Co.)	385(EA)(116.1)	SBRAZ-VDT,75°,1.8	(4); 116.1
ROCHESTER	206(RC)(116.1)	BMRLZ-VDT	(4);116.1
Rochester Airport	278	CI;298°,2.2	3105,4495 (8-24)
ROME AAF	396 (126.18) +	CA	(4); 126.18 (8-22)
SYRACUSE	350(SR)(116.1)	SBRAZ-VDT	(3);116.1
Syracuse Municipal	278	C ; 178°, 2.2	(4)
TRI-CITIES (Endicott)	278	CI	3105(days)
UTICA	359(UA)(116.1)	BMRLZ-VDT,151°,3.0	(4);116.1

PENNSYLVANIA

ALLENTOWN (Allentown-Bethlehem)	320(XA)(116.1)	SBMRAZ-VDT,192°,2.7	(4); 116.1
LAKE CAREYFM	(- - - -)	FM, 259°,20.8	Wilkes-Barre
SLATINGTON FM	(- - - -)	FM, 290°, 12	Allentown
SUNBURY	353(SV)(116.1)	MHVT	(4);116.1
SUNBURY	108.3 (SV)	VARW	
WILKES-BARRE (Wilkes-Barre-Wyoming Valley Airport)	272(WI)(116.1)	SBMRAZ-VDT,243°,2.6	(4);116.1
WILLIAMSPORT	233(IA)(116.1)	BMRLZ-VDT,281°,7.5	(4);116.1

Simul. Range and Voice: W-Without Voice; 2-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Columns indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

NEW JERSEY

AIRPORT —CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lake Susquehanna(Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Martins Creek, Belvidere	3 SSW;riv SE	340	25 S6	80,91 oct.Pole line N.

NEW YORK

Auburn	3.7 NNW;lake E	525	24 S4	80 oct. Poles,trees sur fld.
Binghamton	7.2 NNE;RR NW	940	18 S2	80 oct.Trees N.
Bonnie Brae (Owasco)(NC)	1.7 SW;RR W	960	17	Cattle on fld.
Brisee (Pittsford)	2 E;RR N	422	25 S4	80 oct.Pole line S,NW.
Canastota	1.3 WSW;RR N	540	22 L1 S1	80 oct.
Carthage	1 E;RR NW	740	20 S1	80 oct.
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1	80 oct.Pole line E.
(P) CHEMUNG CO. (ELMIRA)	6.5 NW;RR S	951	40h R1 L5 S4	80,91,100 oct.
Cicero	0.5 NW;lake SW	416	21 S4	80 oct.
Colgate Univ. (Hamilton)	5.4 N;RR W	1178	25 S6	80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct.Pole line W.
Community (Whitesville)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S.
Cortland	1.8 WSW	1144	30 S6	80 oct.Wooded ridge E.
Coste's (Painted Post)	2.7N NW;RR	960	16 S1	80 oct.Trees W,NW.
Crowner (Wellsville)	1 W;RR E	1506	22 S2	80 oct.Obsts sur fld.
(P) Dansville	1 NW;RR NE	662	40h R1 L3 S6	80 oct.Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1	80 oct.Trees S,W.
Fulton	2.6 NNE;rd W	469	40h L2 S4	80 oct.No sto.Lgts prior req.
→ Fulton Airpark	0.5 W;riv E	360	20 S6	80 oct.Rnwy data unver.Brush WNW.
Hancock (NC)	1.5 SSE;RR E	905	17	Hills SSE,NNW.
Hilton	2.6 WSW;RR N	325	16 S1	80 oct.3' fence E,S,SE.
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4	80 oct.Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S;RRs N,S,W	525	27 S6	80 oct.Trees E.
Ithaca	1.3 NW;inlet E	386	25h S6	80,91 oct.No storage.
Keyes-Oneonta (Oneonta)	1.5 W	1000	27 S4	80 oct.Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1	80 oct.Pole line E.
Ladd's (Mexico)	0.6 W;RR N	383	20 S1	Ltd 73 oct.Pole line NE.
Martin(Montour Falls)	1 NE;RR W,E	460	13 S4	80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1	80 oct.Pole line S.
Meachem-Genesee (Rochester)	6 S;RR N	564	22 L, S6	80 oct.Floodlgts in emerg.
Mercury (Hammondsport)	1 WSW;RR N	750	15 S2	80 oct,Hill W.
Elmira	2 SSW;RR E	890	16	Trees adj NE,S.
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14	Trees WSW.

NEW YORK

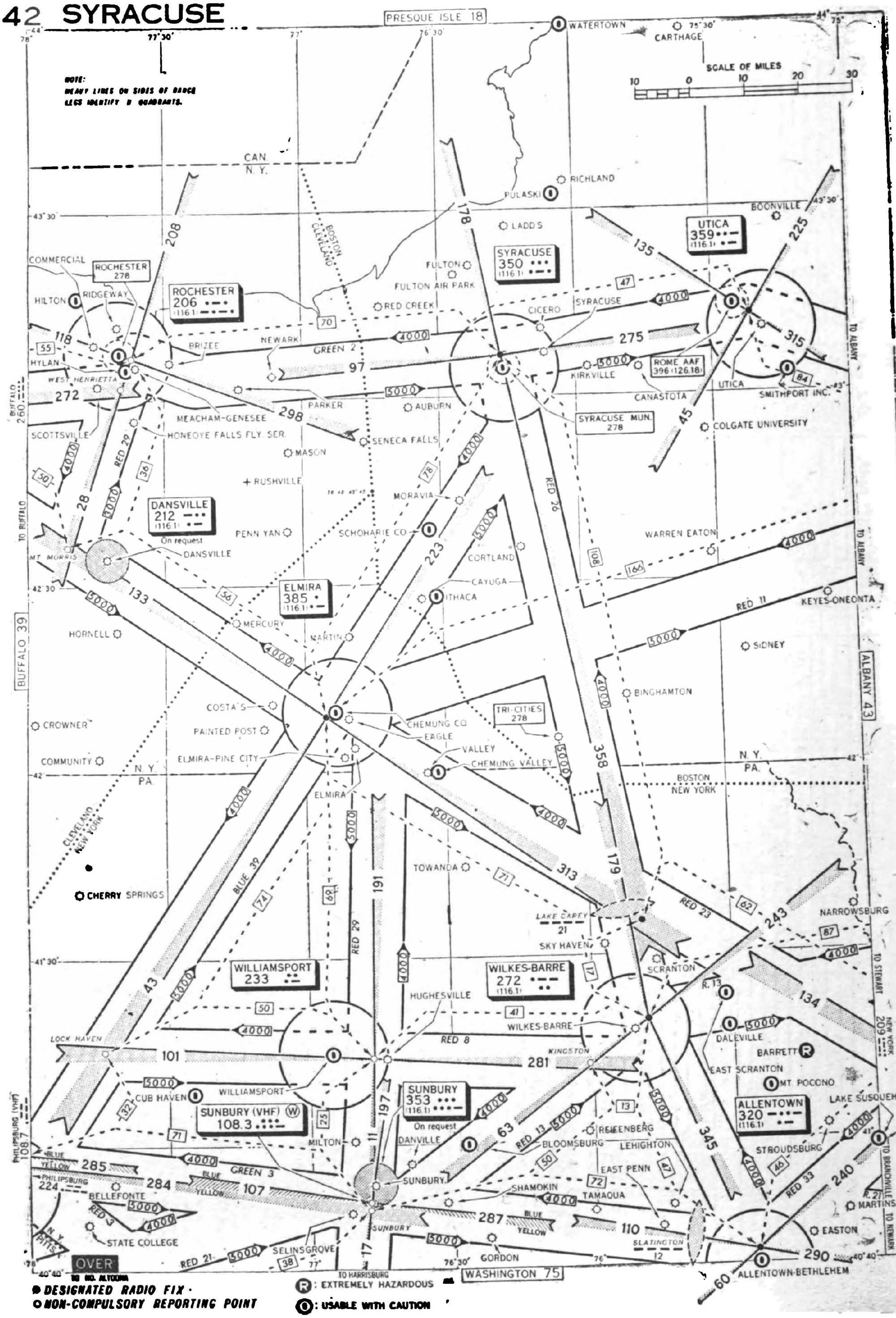
AIRPORT —CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E.
Moravia Air Haven	1 NW;RR E	730	20 S1	80 oct.S appch blocked.
Narrowsburg	0.6 NNE;RR E	700	18 S4	80 oct.Mts N,NE.
★ Newark Int,27A,CV-AZ	1.3 NNW;rd N,E	490	19 L3	Pole N.
Painted Post	4.4 SW;RR W	950	19 S2	80 oct.Trees E,W.
Parker (Palmyra)	2.8 S;RR N	540	15 S1	80 oct.
Penn Yan	1.1 S;lake W	850	20 S2	80 oct.
Pulaski	3 SE;riv N	500	18 L S4	80 oct,Port rnwy lgts.Trees WSW
Red Creek	0.8 SSE;RR N	355	18 S1	80 oct.
Richland	0.6 NE;RR SW	560	21 S1	80 oct.Hi-line S.
Ridgeway (Rochester)	3.7 W;canal ESE	530	18 S1	80 oct.Pole lines W,NW,SE.
(N) ROCHESTER	3.7 SW;riv S	549	44h R2 L5 S6	80,91 oct.ARPT OP ENTRY
(A) Rome AAF (A)	2.5 NE	473	63h R1 L5 S6	62,73,91,100 oct.JP-1.
Scottsville	1 N;RR W	600	10	Allway area: 1000 x 1000',
Seneca Falls	2.2 SE	490	28 S2	80 oct.Obsts sur fld.
Sidney	1 WSW;RR SE	1012	24 S4	80 oct.Pole line S.
Syracuse MUNICIPAL	3.5 NNE;hwy W	419	55h	C-L-O-S-E-D.
(P) Tri-Cities (Endicott)	5.8 WNW;RR N	396	50h R2 L5 S6	80,91 oct.Rdo rec rqrd
Utica	3.5 WSW;riv S	840	35h R1 L3 S6	80,91 oct.Wooded ridge W,ESE.
Warren Eaton (Norwich)	7.8 NW;hwy S	525	31 R1 L1 S6	80 oct.Twr W;hill N;trees E.
(P) Watertown	2.5 N;riv,RR E	1015	20 S1	80 oct.Wooded ridge E.
Schoharie Co.(Richmondville)	5.9 WNW;hwy N	325	50h L1 S4	80 oct.Bcn on req.ARPT OP ENTRY.
Smithport Inc.(Utica)	1.3 NE; RR N	1000	16 S1	80 oct. Trees E.
Rushville	3.5 SSE	1150	20h S1	80,91 oct. Data unverified
	2.5 NNE	1120	20 S1	Unverified.

PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	380	40h R1 L5 S6	80,91 oct.Use rnwys only. Fld lgts prior req.
Barrett (Canadensis)	1.8 N;hwy SW	1450	18 S2	No fuel. Trees E.
Bellefonte	4.3 ESE;hwy N	1045	21 L3 S6	80 oct.
Bloomsburg	0.8 ESE;riv S	478	32 L3 S6	80,91 oct.Pole lines SW, E.
(P) Chemung Valley (Athens)	1.8 NNW;riv E	850	38 S4	73 oct.
Cherry Srgs. (Corbett)	2.4 W	2265	18 S1	Ltd 80 oct.Trees W,SE, NW.
Cub Haven (Lock Haven)	1.7 E;RR S	550	25h S1	80 oct. Pwr line E.
Daleville	0.6 N;hwy W	1775	19 S4	80 oct.Hill S.
Danville	2.2 SW;RR N	480	22 S3	80 oct.Hill SE.
Easton	3.5 NNW;RR W	380	22 S6	73-91 oct.Pole line N.
East Penn (Andreas)	1.5 NE;hwy S	860	18 S6	73 oct.
Gordon	1.8 W;RR E	960	18 S2	80 oct. Hill S.
Lehighton	0.9 WSW;hwy NW	502	18 S5	80 oct. Trees WSW.
Mid Valley (Olyphant)(NC)	3 N;rd NE	1385	20	
Milton	0.8 S;RR W	450	24 S6	80 oct.Pole line SW.
Mt.Pocono,21,BJ-LG	1.5 NW;hwy NE	1925	26h L3 S1	80 oct.Pole line NE.
Mt. View (Nicholson)(NC)	4.8 ENE;crk NW	1280	21	50' trees S.
Reifenberg (Hazleton)	5.8 NNW;rd E	1146	21 S4	80 oct.
Scranton	7.2 WNW;hwy N	1150	24h L3 S6	73-91oct. Fld lgts prior req.
Selinsgrove	1.1 W;hwy E	450	25 S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE;RRs W	1100	16 S2	80 oct.F
Skyhaven (Tunkhannock)	0.3 S;RR N	639	20 S1	80 oct.Pole line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	19 S4	80 oct.Poles adj W.
Stroudsburg-E. Stroudsburg (Stroudsburg)	2.5 NNE;hwy S	426	22 S4	80 oct.
	2 NNE	443	37 R1 L1 S6	80 oct. No sto.
(P) Sunbury	2.2 WNW;hwy W	1260	30 L3	
★ Tamaqua,Int,61B,CQ-LG	1.5 SSE;RR W	700	25h S1	80 oct.Pole line SW,NE.
Towanda				
Wilkes-Barre-Wyoming Valley	3.5 NNE;riv S	546	35h R1 L3 S4	80,91 oct.
(P) Williamsport	5.1 E;riv S	526	43h R1 L5 S6	80,91 oct. Lgts prior req.
East Scranton (Scranton)	7.3 ESE;lake E	1660	23	Trees S, W.
Hughesville	0.6 S;crk E	570	12 S2	

R-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

42 SYRACUSE



● DESIGNATED RADIO FIX.
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

ALBANY 43

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS

Ⓞ USABLE WITH CAUTION

PRESQUE ISLE 18

TICONDEROGA

On request
GLENS FALLS
206
(116.1)

On request
LEBANON
209
(116.1)

TWIN STATE

FAIR HAVEN

RUTLAND

PISECO

PLATEAU

SACANDAGA PARK

GLENS FALLS

WARREN CO

HARTNESS

CLAREMONT

NEWPORT

LEBANON

STEENBURGH

GLOVE CITY

CARPET CITY

VAUGHAN

BALLSTON SPA

LONG MEADOW

SARATOGA SPRINGS
24

EQUINOX

SCHUYLERVILLE

SCHENECTADY CO

RAYBIK

FORT PLAIN

STONE ARABIA

AURIESVILLE
27

ALBANY
365
(116.1)

BENNINGTON

KEENE

DILLANT-HOPKINS

STEVENS

BRATTLEBORO-HINSDALE

SKY HAVEN

BRIGGS

INTERCITY

COOPERSTOWN

COLONIE
6

TROY

FAIR VIEW FARM

ADAMS

TURNERS FALLS

ORANGE

GARDNER

ALBANY
278 (126.18)

EAST GREENBUSH

SELKIRK

RAVENA

VALLEY AIRPK

WESTOVER AAF
272

FARLYS
MEDWAY
28

PITTSFIELD

PILGRIM

LAFLEUR

HILLER

CATSKILL

GREAT BARRINGTON

WESTOVER AAF
396 (126.18)

LE BROOKFIELD

BROOKFIELD

METROPOLITAN

SOUTHBRIDGE

HALCOTT

MARGARETVILLE — FLEISCHMANNS

CATSKILL VALLEY

WESTFIELD
230
(116.1)

SPRINGFIELD

W. SPRINGFIELD

CANAAN

KINGSTON-ULSTER

KINGSTON

MILLERTON

BRADLEY
284 (126.18)

BOWLES

AGAWAM

KINSLEY

WOODSTOCK

NEW PALTZ

WALLKILL NO 2

COZINE

AERO LAKE

NEW HACKENSACK

SIMSBURY

STEPHENSON

WEATOGUE

RENTSCHLER
254 (126.18)

LIVINGSTON MANOR

CLIFF HAVEN

STEWART
236
(116.1)

FREEDOM PLAINS

NEWBURGH-WALDEN

MONTGOMERY

ARLINGTON

WINGDALE

WATERBURY

HARTFORD
329
(116.1)

WINDHAM

MONTICELLO

WURTSBORO

LIME RIDGE

STORMVILLE

MERIDEN
18

BRAINARD
278

SALEM

STANTON'S

BROOKFIELD

BETHANY

LUFBERY

MONTGOMERY NO.

STARHAVEN

RANDALLS

WAPPINGERS FALLS

MERIDEN
278

HUGUENOT

DANBURY

WATERFORD

DOANE

GROTON TRUMBULL

MATAMORAS

SOMERS

MONROE

NEW HAVEN

HAMMONASSET

ELIZABETH AAF

STEWART AAF
396 (126.18)

WEST HAVEN

SUSSEX

CROTON

CHRISTIE

WESTCHESTER

WARWICK-WICKHAM

MILLER

WESTCHESTER CO

BRIDGEPORT
268

ALLENTOWN
320

NEW YORK
209

NEWARK
341

PORT CHESTER
24

NEW YORK 79

MITCHELL AAF
227

MATTITUCK

EAST HAMPTON

SUFFOLK CO

72°48'

72°30'

RADIO

CONNECTICUT

LOCATION	FREQ., IDENT	STA. CLASS, BEAR & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BRADLEY (Windr Locks)	284(126.18)	CI	3105.4495 126.18 (6-18)
BRAINARD (Hartford)	278	C	(4), 131.9, 126.18
BRIDGEPORT ARPT	269	C	(4), 116.1, 131.9
EAST HARTFORD (Rentschler)	254 (126.18)	CI	(3)
HARTFORD (Brainard)	329(HT)(116.1)	SBMRAZ-VDT, 323°, 2.3	(3), 116.1
MERIDEN FM	(- - -)	FM, 244°, 17.6	Hartford
MERIDEN ARPT.	278	CI	3105.4495 (days)

MASSACHUSETTS

WESTFIELD (Barnes)	230(W)(116.1)	BMRLZ-VDT, 270°, 1.7	(4) 116.1
WESTOVER (Chicopee Falls) (Army)	273 (DO)	BMRAZ	(3) (GCA)
Westover Fld	333 (126.18)+	CA(ILS), 239°, 2.7	(3), 126.18 (Appch cont.)

NEW HAMPSHIRE

LEBANON	289(LP)(116.1)	MHVT	(4), 116.1

NEW YORK

ALBANY Albany Arpt.	365(AZ)(116.1) 278 (126.18)	SBRAZ, VDT C, 196°, 3	(3), 116.1 (4), 126.18, 116.1, 140.1,
AURIESVILLE FM	(- - - -)	FM, 302°, 27.2	Albany 131.9
COLONIE LFM	(- - -)	LFM, 206°, 5.7	Albany
GLENS FALLS	206(GB)(116.1)	MHVT	(4), 116.1
MEDWAY FM	(. . - - -)	FM, 206°, 27.6	Albany
PORT CHESTER FM	(. . -)	FM, 44°, 24	New York
SARATOGA SPGS. FM	(-)	FM, 280°, 24	Albany
STEWART FIELD Stewart Field	236(SW)(116.1) 396 (126.18)	BMRL-VDT CA, 125°, 2.5	(4), 116.1 (3), 126.18 (7-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER FREQ.	APPR. BEAR.	MARKER FREQS	MILEAGE (PLUS COMPASS LOCATOR)
Westover, Mass. (LG)	109.9	333	2390 Mag.	OM- (.49) MM- ..... (.79) OM- --(3.38) IM- MM- OMK-
Westover, Mass. (LG)	109.5 (Rev.)	333	360 Mag.	OM- (.02) MM- ..... (.72) OM- --(4.42) IM- MM- OMK-

S Steel Range and Voice W Without Voice. Z VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs (4) 3105, 4495, 6210, 31175 kcs Parenthesized Numbers on Frequency Columns Indicate VHF Voice
+ - Army ACS transmits on odd glands 1161 137 88 140 58 mcs.

AIRPORTS CONNECTICUT

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Bethany	1.3 N, hwy E	680	21 L2 S6	80,91 oct. No bcn. Lgts
Bradley (Windsor Locks)	2.8 WNW, RR, riv E	171	50h RI S6	Antenna prior req. S. No fuel.
BRAINARD (Hartford)	2.8 SE, RR W	19	48h R2 L5 S6	80,91,100 oct. Dike E, N
(N,P) BRIDGEPORT	3.5 ESE	9	48h R1 L5 S4	80,91 oct.
Brookfield	0.3 S, RR, riv E		10 S6	80 oct. No sto. Data unve
Canaan	1 N, RR W	680	24 S6	80,91 oct. No sto Pole line SW.
Danbury	2.5 SW, RR N	454	44h S6	80 oct. P-line WSW, SSE
Doane (Essex)	1.2 SW, RR E, N	30	21 S6	80,91 oct. Trees N, NW.
Groton Trumbull	2.8 SE, RR W	10	50h	(Groton)
Kinsley (Somers)	2.5 NNW, RR W	200	19	
Lufbery (Wallingford)	0.5 W SW, RR E	80	22 S6	80 oct. No sto. Stacks S,
Meriden	2.7 SW, RR E	102	35 RI L3 S6	80 oct. Hi-line W, S N.
Monroe	0.7 SSE, rd E	620	20 S6	80 oct. Rd. W.
NEW HAVEN	3.5 SSE, riv W	4	42h S6	80,91 oct ltd 100 oct. Pole line NW.
Rentschler (E. Hartf'd)	1 S, riv W	40	58h R1 L5 S6	80,91,100 oct.
Salem	2.1 E, lk NNE	400	21 S6	80 oct.
Simsbury	2.6 NNE, RR W	170	17 S6	80 oct. Trees SE.
Stephenson (Bristol)	1.6 ESE, RR N	240	18 S6	80, 91 oct.
Waterbury (Plymouth)	2.6 S, RR E, W	843	20 S6	80 oct.
Waterford	1.7 N, RR SSE	60	20 S6	80 oct. Trees, hill S.
West Haven	2.7 SW, hwy E	15	18 S4	80 oct. No sto. P-line E, W blocked.

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing (See page xiii) NC-(not charted) → New or revised data.

AIRPORTS CONNECTICUT

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Windham	3.5 NNW, hwy S	238	44h S1	80 oct. Trees NE, ENE.

AIRPORTS MASSACHUSETTS

Adams	1.3 SSE, RR W	1400	18 S1	80 oct.
Agawam Land & Seaplane Base	0.5 S, riv E	50	16 S6	80 oct. Pole line SE.
BARNES (Westfield)	3 NNE, RR W	268	50h R1 L5 S6	80,91 oct.
Bowles (Agawam)	2.4 WSW, trk E	190	40 S4	80 oct. Poleline S, SSE.
Brookfield s	1 W, RR SW	680	20 S6	80 oct. P-line SW, W, NW.
East Brookfield	0.5 W	650	15 S3	80 oct. Data unver.
Fair View Farm (Williamstown)	4 SW, riv E	954	23 S1	80 oct. Poleline ENE. Hill NNE. Lgt acft only
Gardner	2 SW, hwy N	1020	18 S4	80 oct.
Great Barrington	2 WSW, riv N	726	28 S6	80,91 oct. Obst sur fld.
Hiller (N. Brookfield)	6.5 NNW	600	35 S3	80 oct. Data unver.
La Fleur (Northampton)	1.2 ENE, riv SW, N	120	26 S4	80 oct. No sto.
Metropolitan (Palmer)	5 N, riv W	400	19 S6	80 oct. Hill N.
(P) Orange	1.5 SE, hwy SE	555	50h S1	80 oct. Poles NE.
Pilgrim (Northampton)	9 N	120	16 S3	No sto. Data unver.
Pittsfield, 3B, AZ-BW	2.4 WSW, hwy N	1140	27 L3 S1	80 oct. Poleline N.
Southbridge	1 N	700	26 S4	Data unver.
Springfield	2.3 NE, RR S	205	26 S6	80,91 oct. Bldgs W
Stevens (N. Adams)	2.8 WSW, RR N	690	20 S4	80 oct. No sto. P-line E.
Turners Falls (Montague)	4.2 N	350	33 S6	80,91 oct. Wooded ridge SE, SW.
(A) Westover (Chicopee Falls) (A)	3.8 NNE, riv W	244	70h R3 (L6) S6	73,91,100 oct. No sto.
West Springfield	1.5 N, riv E	65	19 S4	Data unver.

AIRPORTS NEW HAMPSHIRE

Claremont	1.3 W, riv NE	520	28h S2	80,91 oct. Wooded ridge
Dillant-Hopkins (Keene)	2 S, riv, RR W	481	40h S6	80 oct. NNE
Hinsdale-Brattleboro (Hinsdale)	2.7 NW, RR W	360	18 S4	80 oct. Lndg flares prior req.
Keene Arpk.	3 NW, RR W	500	21 S6	No fuel or sto. 100' hill
Lebanon	3.3 WSW, RR N	579	40h R1 L5 S4	80 oct. Rdo repairs SE.
Newport	2 NNW, RR W	780	26 S4	80 oct. Pole line E.

AIRPORTS NEW JERSEY

Sussex	1.2 WSW, RR S	420	25 S1	80 oct. 200' knoll NNE.

AIRPORTS NEW YORK

Accord (NC)	0.7 N, RR S	260	19	PRIV. Trees S, NE, SW.
Aero Lake & Seaplane Base (Kingston)	3.7 SSE, RR W	220	23 S4	80 oct. Trees S.
(P) ALBANY	6.9 NNW, riv N	283	35h R2 L5 S6	80,91,100 oct. ARPT OF
Arlington (Poughkeepsie)	1.5 E, RR E	280	18 S4	80 oct. Pole-line ENTRY line NE, trees SW.
(P) Ballston Spa	3 N, RR E	433	40h L5 S6	80,91 oct.
Briggs (Carlisle)	0.6 SE, RR W	1320	12	
Carpet City (Amsterdam)	6 N rd NW	887	18 S6	80 oct Use strips only.
Catskill (Cairo)	2 E, hwy S	300	16	Trees sur fld.
Catskill Valley (Catskill)	1.5 SW	100	23 S3	80 oct. Data unver
Christie (New City)	1.5 N, RR E	150	16 S4	80 oct. Poleline SW.
Cooperstown	1.4 NNW, RR SE	1660	16 L S4	80 oct. Pole S. Port lgts.
Cozine (Rhinebeck)	0.5 SE, RR W	200	20 S1	87 oct. Pole line W.
Cliff Haven (Accord)	11 W, RR S	260	16 S1	80 oct.
East Greenbush	0.8 NW, RR W	260	38 L S6	80 oct. Port rnwy lgts.
(A) Elizabeth (Fisher's Island) (A)	W end Island	7	29h L4	No bcn. P-line N.
Farly s (New Baltimore)	3 S, RR W	10	20 S1	80 oct. Trees N.
Ft. Plain Int, 40A, CV-AZ	3 NNW, RR NE	680	35 L3	
Freedom Plains (Billings)	2 W. rds N, E	340	11 S1	80 oct. Pwr line S
Glens Falls, 18, LG-UL	2.6 NW, rd S	474	36h R1 L3 S6	80 oct.
Glove City (Gloversv l)	1.5 NE, RR S	860	17 S1	80 oct.
Halcott (Halcott Ctr.)	1 N		10 S1	80 oct. Data unver.
Hayduk (Herkimer)	0.6 SSW, RR N	400	12 S4	Ltd 80 oct. Poleline E.
Huguenot (Port Jervis)	3.3 NE, RR SE	480	21 S6	80 oct. Trees SW.
Intercity (Schenectady)	3.6 SSE, RR NE	340	20 S4	80 oct.
Kingston	1.5 NW, RR S	150	17 S4	80 oct. Pole line NW.
(P) Kingston-Ulster	2.7 N, RR E	160	30 S4	80 oct. No sto. P-line E.
Lime Ridge (Beekman)	1.3 SE, RR S	420	16 L2 S6	80 oct. All lgts prior req
Livingston Manor	0.5 SE, RR W		21h S4	80 oct., 91 oct req. Data
Long Meadow (Rexford)	1.5 NE, RR N, W S.	380	17 S1	80 oct. Poles unver, NNE.
Margaretville-Fleischmanns (Margaretville)	0.2 S, riv W		21 S4	80,91 oct. No sto. P-line NE. Data unver.
Miller (Nyack)	1.8 WNW, riv E	70	17 S6	80 oct. No sto. P-line SW
Millerton	1.5 N, RR W	1000	13 S1	80 oct. Trees N.
Montgomery	1 WSW, riv W	393	22 S6	80 oct. Trees N, brush E
(A) Montgomery U.S. Mil. Academy #1 (A)	2 SW	355	35h	CLOSED.
Monticello-Sullivan Co.	1.4 N, RR E	1500	24 L S1	80 oct. Port rnwy lgts. Windmill SSE.
Newburgh-Walden (Walden)	2.2 SSW, riv W	404	32 S6	73,80 oct. Obsts sur fld.
(P) New Hackensack	0.5 W	156	35h	Obsts NE.
New Paltz	0.8 W, RR E	190	20 S1	80 oct.
Piseco	0.5 N, hwy SW	1710	19 S2	Ltd 80 oct. Trees, brush
Plateau (Northville)	2.5 E, riv ESE	1040	24 S1	Ltd 73,80 oct. NNE Trees S.
Randall's (Middletown)	1.8 ESE, RR NW	520	20 S2	80 oct.
Ravena	1.2 N, riv 2 E	180	14 S2	80 oct. Lgt acft only.
Rockland (New City)	1 SSE, RR E	240	14	Trees W, hwy E. (NC)
Sacandaga Park (Northville)	1 SW, RR W	770	13 S1	80 oct. Pole line WSW.
(P) Schenectady Co.	3 N, RR SE	362	50h L5 S6	80,91,100 oct.
Schuylerville, Land & Seaplane Base	2.5 S, riv E	100	29	Trees N, S.
Selkirk	2.7 E, riv E	160	22	Trees N.
Sky Haven (Delanson)	0.9 NW, RR SE	1100	14 S2	80 oct. ESE, W blocked.
Somers	0.6 SE, RR E, S	568	20 S4	80 oct. No sto.
Stanton's Newburgh Cub Port (Newburgh)	5.3 NW, RR S	520	12 S2	80 oct. Trees S.
Starhaven (Middletown)	1.3 NW, RR SW	750	29	Trees SW, SE, NW, RR N.
Steenburgh Avia. Svc. (Gloversville)	1.5 ENE, RR N	900	8 S1	80 oct.
(A) Stewart (Newburgh) (A)	4 W, hwy N	474	61h R2 L5 S6	100 oct
Stone Arabia (Ft. Plains)	3.6 ENE, hwy E	880	18	Pole line NNW.
Stormville	1 ENE, RR S	350	23 S4	80 oct. No sto. Trees NE
★ Ticonderoga Int, 22, LG-UL	2.7 NNE, rd E	210	32 L3	Obsts sur fld.
Troy	2 SSE, riv W	327	30 L4 S6	73,91 oct. Trees NW.
Valley Air Park (Middleburg)	1.5 NNW	635	16	Data unver
Vaughan (Johnstown)	1 E, hwy W	780	18 S1	Ltd 80 oct. Trees W.
(A) Wallkill, U.S. Mil. Acad. #2 (A)	3 NW, riv E	340	35h	CLOSED.
Wappingers Falls	0.9 SE, rd S	152	21 S4	80 oct. P-line E, W, S.
WARREN CO (Glens Falls)	2.4 NNE, rd N	325	40h	
Warwick-Wickham	4.5 NE, RR W	540	24 S4	80 oct. Ridge N.
Westchester (Armonk)	0.5 SSE, riv E	380	23 S6	80,91 oct. Trees sur fld.
(P) Westchester Co. (White Plains)	4 NE, lake W	435	50h L5 S6	80,91 oct days: 100 oct, lgts prior req. PEE.
White (Bedford) (NC)	3.6 SE, hwy E	475	12	
Wingdale	1.5 NE, RR W	400	25 S4	80 oct. No sto. ROUGH.
Wurtsboro	2 NE, RR E, SE	560	31 S6	80 oct. Obsts sur fld.

AIRPORTS PENNSYLVANIA

Matamoras	0.5 SSE, riv SE	450	18h L4 S6	80 oct. No bcn. Lgts prior req

AIRPORTS VERMONT

Bennington	2.5 WNW	830	13 S1	80 oct. 470' hill WNW.
Equinox (Manchester)	1 E, riv E, N	700	18 S6	80 oct. Poleline, mtn E.
Fair Haven	1.5 N	370	20 S2	80 oct. Hills sur fld.
Hartness (Springfield)	3.8 NNW, riv E	570	20 S6	80 oct.
Rutland	5.8 SSE, hwy W	784	40h L3 S4	80 oct. No sto. All lgts
Twin State (White River Junction)	1 SW, riv, RR E	540	19h S6	80 oct. Hill NW, prior req

AIRPORTS CONNECTICUT / NEW YORK

Hammonasset (Madison Conn)	2 E, hwy N	15	12 S1	80 oct. Trees W
Croton Air Park (Peekskill, N.Y.)	4.8 SW, riv SW	280	13	Hill SW.
East Hampton (N.Y.)	2.5 W; RR S	40	25 S4	80 oct. No sto.
Mattituck (N.Y.)	0.8 ESE, bay S	12	25 S6	80,91 oct. Poles N.
Suffolk Co. (Westhampton Beach, N.Y.)	2.6 N	66	50h	

MAINE

LOCATION	FREQS. IDENT	STA. CLASS, BEAR. & DIST	FREQ.,GUARD HRS. OF OPER.REMARKS
BRUNSWICK NAS PORTLAND	382 (NSM)	SRAZ; 84°,4	(3)
	206(PW)(116 1)	BMRLZ-VDT,149°, 2.2	(4), 116 1
YARMOUTH FM(Navy)	(- - -)	FM,264°,11 4	Brunswick NAS

MASSACHUSETTS

BEDFORD (Navy)	522 (DBH)	MH	Oper cont.
Bedford AAF	212 (126.18)	CA	(3), 126.18
BOSTON (Logan)	263(BW)(116 1)	SBRAZ-VDT,238°, 2.2	(3), 116 1
BRANT ROCK FM(Navy)	(- -)	FM, 141°, 20.2	Squantum NAS
EASTON FM (Navy)	(- - -)	FM, 218°, 17.7	Squantum NAS
EVERETT LFM	(- - - -)	LFM, 298°, 4.2	Boston
FRANKLIN FM	(. . - - - -)	FM, 238°, 28.7	Boston
LOGAN (Boston)	278 (118 7, 126.18,118.1)	AC	(4), 131.9,118.7, 126.18,118.1
PEABODY FM	(-)	FM, 31°, 9	Boston
SOUTH BOSTON LFM	(- - -)	LFM, 238°, 4.7	Boston
SOUTH WEYMOUTH (Navy)	420 (NFR)	BMRLZ	(3), 142 74 days on req.
South Weymouth NAF	3295 (142 74)	CN, 82°, 3 1	(3), 142.74, (8-1630,Mon.-Fri.)
SQUANTUM (Navy)	472 (NZW)	BMRLZ	(3),142 74 flt opers.
Squantum NAS	323 (142 74)	CN, 321°, 3.5	3105,4495,142 74 (8-30 min before sunset)

NEW HAMPSHIRE

BOSCAWEN FM	(- - - -)	FM, 332°, 14.2	Concord
CONCORD	251 (CN)(116 1	BMRLZ-VDT,327°, 2.1	(4), 116 1
GRENIER(Manchester) (Army)	338 (DUR)	SBRAZ	
→ Grenier Field	278(126.18) +	CA(ILS),352°,4	(3),126.18

RHODE ISLAND

CHARLESTOWN NAAS	3295 (142 74)	CN	3105;142.74 (GCA)
GREENE (Providence)	278 (118 9)	C	(4),116 1,131 9, 118.9
PROVIDENCE(Greene)	347 (PR)	BMRLZ-DT,489,3.5	(3)
QUONSET POINT(Navy)	358 (NCO)	BMRLZ	3105, 142.74
Quonset Point NAS	227(142 74) (126.18)	CN, 339°, 3.3	(3);142 74,140 58, 126.18

INSTRUMENT LANDING SYSTEMS "Localizer and G.P. in acs." Combine Locators' in kcs'

LOCATION	LOCALIZER/G.P.	APPR HDG.	MARKER IDENT & MILEAGE	TDZ/RE	COMPASS LOCATORS
→ Grenier N.H.	109.5 111.5	332 6' 352° Mag.	IM- (.02)	MM- (.71)	OM- (5.00)
				MMK-201---(.71)	OMK-219---(5.00)

S-Simpl Range and Voice; W Without Voice; ∠ VHF Range Station Location Marker (3) 3105, 4495, 6210 kcs; (6) 3105, 4495, 6210, 31175 kcs. Parenthetical Numbers on Frequency Column Indicate VHF Voice
+ - Army ACS transmits on and guards 116 1 137 85 140 58 mcs

AIRPORTS — CONNECTICUT

AIRPORT—CITY NAME	LOCATION	ELEV.	GLASS	REMARKS
→ Foster (Stonington)	1 NE,RR S	5	18 S4	80 oct Lgt acft only
Plainfield	1.5 SSW,RR E	160	21 L S6	80 oct, Port rnwy lgts.
* Putnam Int,14,LG-BW	1.7 WSW,riv E	460	22 L3	Pole line N;poles NE

MAINE

Biddeford	2 SSW,RR NW	110	22 S2	80 oct.Poleline SE.
(N)Brunswick NAS(N)	1.5 SE,RR N	77	60h RI	INACTIVE
Douglas (Brunswick)	3.5 W,RR SE	170	15	
Hilltop (West Buxton)	0.8 WSW,RR S	300	22 S4	80 oct.Poleline ESE

h-hard surfaced runways R-radio facilities L-lighting facilities S-servicing. (See page xiii) NC-(not charted).

→ NEW OR REVISED DATA

MAINE

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Merrymeeting (Bowdoinham)	1 SSE,riv E	60	18 S1	80 oct.Trees N, S.
PORTLAND	2 W,riv E	60	43h RI L5 S8	80, 91 oct.
Port of Maine (South Portland)	1.8 SSW,RR E	40	22 S3	80 oct.Poleline SSE, NE, SW.
Riverside Airpark (Brunswick)	1 WNW,RR S	60	18 S4	80 oct. No sto. Trees NNW.
(P)Sanford	4 SE,hwy N	243	60h L5 S6	80, 91 oct.
Scarboro	2 W,RR SSE	20	25 S2	80 oct.
Kennebunk	2 S,rd E	120	20 S2	80 oct.Trees S.Data not verified.
Stover (Freeport)	4 NNW	200	12 S2	80 oct.Data unverified

MASSACHUSETTS

Ames (Brockton)	3 WSW,RR W	120	20 S6	73 oct. RR S.
Auburn	2 SW,RR W,E	700	15	Lgt acft only
Ayer	1.5 NW,riv W	268	52h	
(A)Bedford AAF (A)	1 S	128	50h R2L5 S6	80, 100 oct.
(CG)Beverly	3 NW,lake E	108	50h L5 S1	80,91 oct.
Bolton (Clinton)	2.3 NE,RR W	400	17 S6	80 oct.Trees around fld. RR S.
Boston-Metropolitan (Canton)	1 W,riv W	50	21 S6	80, 91 oct.
Brockton	2 S,hwy E	128	22 S6	80 oct.Poles E,W.Rnwy
Cape Cod (West Barnstable)	2 1 SW,lake SW	100	25 S2	80 oct. data unver
Country Club(Wareham) (NC)	1.3 E,riv S	25	17	Pole line,trees N.
Chatham	1.7 WNW,hwy S	66	14 S4	80 oct.Pole line N.
Easthem Thundertown	5 N	45	16 S3	(Orleans) Data unverif.
Edgartown	2 S,rds E,NW	20	30 S4	80 oct. No sto.Pole
Falmouth (NC)	2 5 NE	40	18 S4	80 oct.Data not verified. line NE
Fitchburg	2.5 SE,bet RRs	334	45h S6	80 oct.Knolls,dike S.
Franklin-Norfolk (Norfolk)	2 5 WNW RR SSE,NW	140	20 S6	80 oct.Pole line S.
Grafton (No.Grafton)	0.7 SSW,riv N	450	30 S6	80 oct.Wooded hill S
Groton	4.6 WNW,RR W	280	28 S6	80 oct.
Haverhill	2 NNE,lake S	125	17 S6	80 oct.Stack S;pole line NW.
HYANNIS	1.2 N,RR E	56	41h S4	80, 91 oct.
King (Taunton)	4.5 ESE,RR N	45	26 S6	73 oct.Poleline NNE.
(P)LAWRENCE	2.5 ENE,lake E	155	40h L5 S6	91 oct. Pole line SSE.
Leicester	2 N	1140	15h S4	80 oct.Reservoir SE.
(A,N) LOGAN (Boston) →	1 5 E in harb	12	70hR2 L5 S6	80,91,100 oct.Rdorqrd FEE.
Mansfield	2 SSE,RR NE	124	25 S2	80 oct. .Poleline NW, NE.
Marlboro	2.4 E,RR WSW	265	15 S2	80 oct.Ridge SSE,NNW
MARTHA'S VINEYARD (Vineyard Haven)	4 3 S,rd S	68	38h L5 S2	80,91 oct Lgts prior req.Obsts SE side.
Mendon	0 3 S,lake W	450	18 S4	80 oct.No sto.Pole line N,NW
Myricks	0.8 N,RR SW	65	20 S4	80 oct.Pole line S.
NANTUCKET	2.6 SE,rd N	47	40h L S6	80,91 oct.Port lgts.
(P)New Bedford	2.5 NNW,RR W	78	50h L5 S2	No fuel.
Norwood	1 8 E,riv E	55	40h L5 S1	80, 91 oct.
Oak Bluffs	0.8 SW,rd W	20	20 S4	80 oct.Trees E,SE.
(N)Otis NAAS(Falmouth)	9 NNE	126	70h	INACTIVE. (N)
Plum Island (Newburyport)	2 3 SE,riv N	15	25 L1 S6	80 oct.Pole line E.
Providence (Seekonk)	2.1 ESE,rd NE	25	17 S4	80 oct.Pole line NNE

MASSACHUSETTS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
→ Shawsheen Pines (Billerica)	2.7 E,RR NE	110	24h S6	80,91 oct.Ltd sto.Rnwy data unver,Trees NE,E.
Sherman Memorial (Mansfield)	3 SSW,RR W	130	17 S1	73 oct.Trees sur SE fld.
(N)South Weymouth NAF	1.5 SSE,RR W	152	45 R2 L5 S4	100 oct.B-2 lgts.(N)
(N)Squantum NAS (N)	0.8 W,bay N	10	41h R2 L5 S4	91,100 oct.No sto.No ngt flying.
Westboro	1 9 WNW,hwy N	310	13 S6	80 oct.
Wilkins (No.Attleboro)	2 NE,lake NW	200	18 S6	80 oct.Poleline ESE
WORCESTER	3.5 W,RR SE	1009	55h	
Spencer	2 NE	1100	15	Data unverified.
Plymouth	SSE	149	25	Data unverified.
Revere	1 N	20	21h L S6	80,91 oct.Port lgts,lee.
Richardson (Dracut)	2 NNW Lowell	115	15 S4	Data unver Data unver

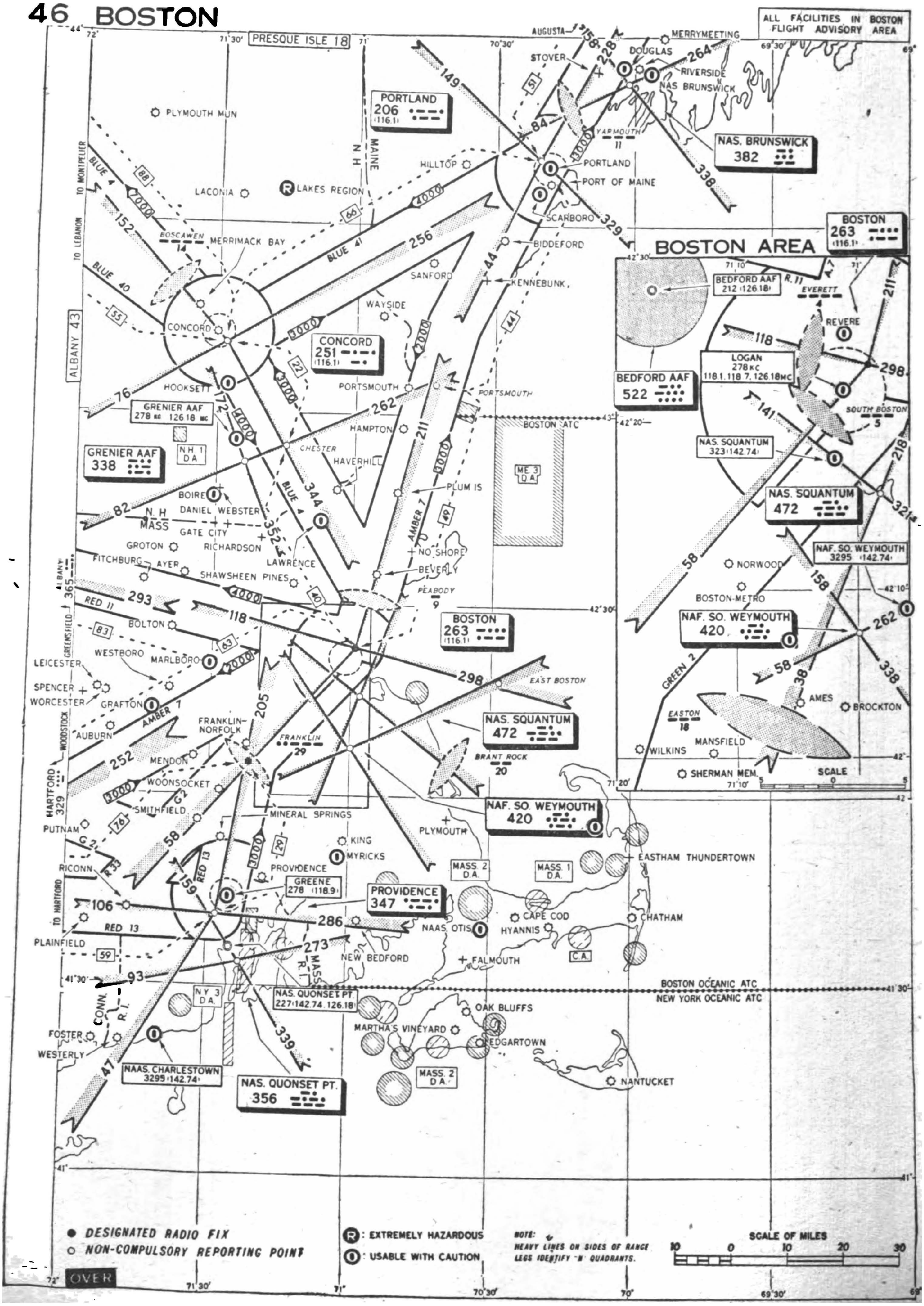
NEW HAMPSHIRE

Boire (Nashua)	2.8 WNW,RR N	185	20h L3 S6	80 oct.Lgts prior req
CONCORD	1.5 E,riv W	346	40h RI L5 S6	80,91 oct. P-line S.
Daniel Webster (Nashua)	3.5 NW,riv E	192	24 S6	80,91 oct.Data not verified.
(A)Grenier (Manchester)	4 S,RR E	230	70h R3	CLOSED (A)
→ Hampton	1.6 N,RR W	80	22 S5	80 oct.No sto.Trees N, S.
Hooksett Land & Seaplane	2 S,RR E	187	32 S6	80 oct. No sto.
Laconia	3.8 NNE; RR S	536	35h L5 S6	73,80,91 oct.Fld lgts prior req.
Lakes Region (Wolfeboro)	2.6 W,RR E	580	14 S1	80 oct.No sto.
Merrimack Bay (Concord)	5 NNW,RR W	260	15 S2	80 oct.Poleline S.
Plymouth Mun.Arpk.	3.5 WNW,RR N	506	18 S2	Ltd 80 oct.Polelline N
(P)Portsmouth	3 W,bay W	94	50h L5 S6	80,91 oct.
Waysside(Sommersworth)	2.4 W,RR N	200	12 S2	80 oct.Trees SSE.
Gate City (Nashua)	4 S		23 S4	80 oct. Data unver

[redacted]

(N)Charlestown NAAS (N)	1.9 SW,hwy N	32	58h RI L5 S1	91, 100 oct. No bcn.
GREENE(Providence)	7 S,RR W	53	41h R2 L5 S6	80, 91 oct.
Mineral Springs (Providence)	4.6 NW,hwy E	240	11 S4	73 oct.No sto. Trees surround field.
(N)Quonset Point NAS (Providence) (N)	16.5 S	14	60hR2L5 S6	91, 100 oct.
Riconn (Greene)	1.8 WNW,RR S	390	15 S4	80 oct.
Smithfield	1 NE,RR W	400	17 S6	80 oct. Flares on req.
Westerly	2.4 SSE	81	40h	Riv. E.
Woonsocket	2.5 E;riv WSW	400	17 S6	80 oct.
North Shore(Essex, Mass)	Adj NW	20	15 S1	Data unverified.

46 BOSTON



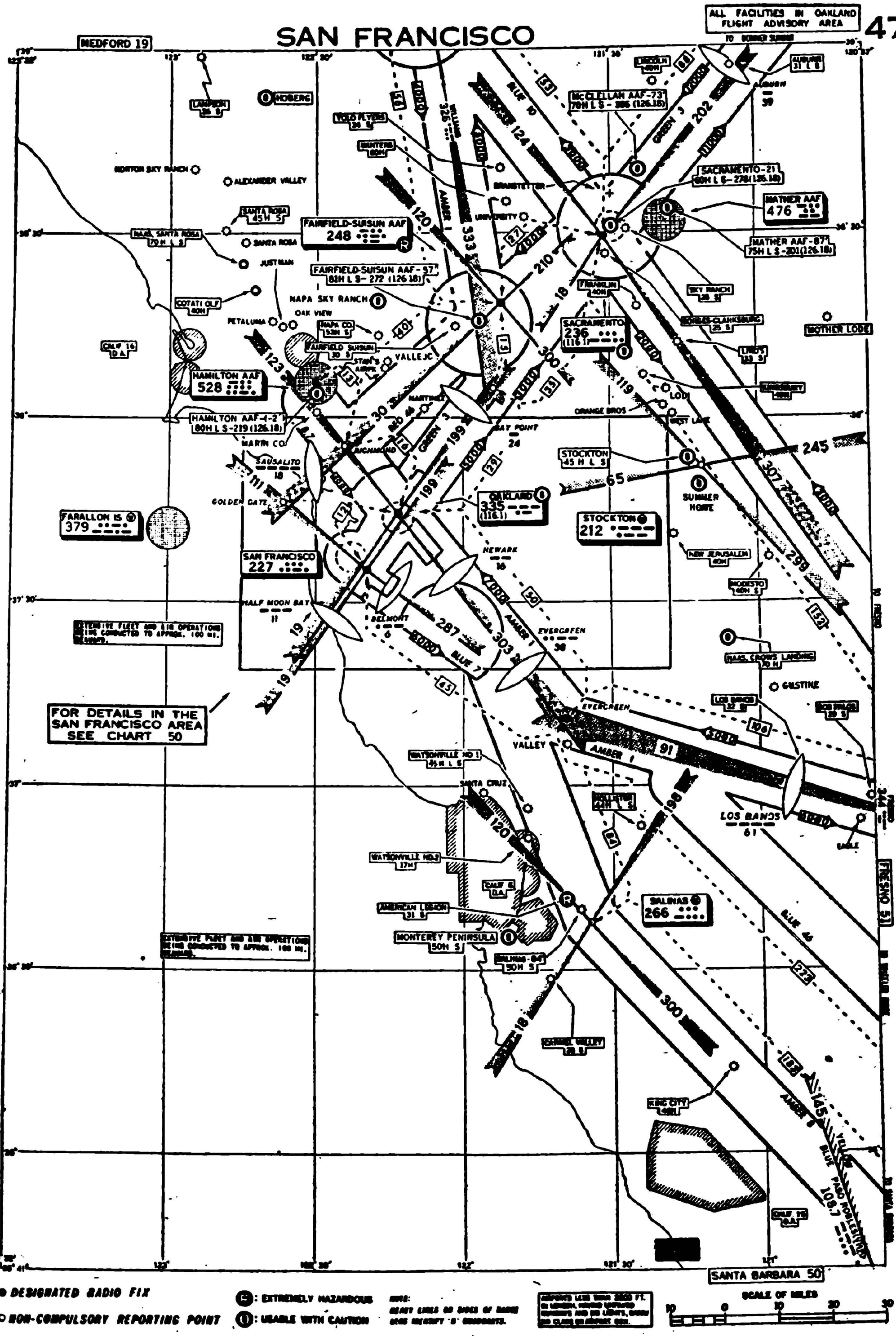
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "M" QUADRANTS.

OVER

SAN FRANCISCO



RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT	(3);126.18 cont;4220 kc on req.
Fairfield-Suisun AAF (Army)	272 (126.18)	CA; 210°, 4.7	(3); 4220;126.18 (GC4)
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	528 (DHF)	HZ	
Hamilton Field	219 (126.18)+	CA; 160°, 2.1	(3);126.18,4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA; 298°, 8.9	(3); 126.18
Mather Army (H fac.)	476 (DIM)	H	
McCLELLAN (Sacramento)	396 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX,199°,0	(4); 116.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-VDT	(3); 116.1
Sacramento Airport	278 (126.18)	C; 22°, 1.7	(4);126.18
SALINAS	266 (SB)	MRLW , 310°,2.4	
SAN FRANCISCO	227 (SF)	SBMRLZ-DT,291°,3.6	(3)
SANTA ROSA NAAS (NC)	3295 (142.74)	CN	(3); 142.74 (req. only)
SAUSALITO FM	(- - - -)	FM, 278°, 17.5	Oakland
→ STOCKTON	212(JW)	MRLW;285o,3.1	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15	Trees S.
American Legion(Salinas)	1.8 NNW	75	31	
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg (Clarksburg)	2.4 NNE,riv SE	15	25 S6	80 oct.No sto.Power line E.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver.
Carmel Valley	12.5 ESE,riv S	450	28 S4	80 oct.No sto.
(N) Cotati OLF (N)	1.5 N,RR E	94	40h	INACTIVE. Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	INACTIVE.
Dos Palos	1.6 S,RR W	146	29 S6	80,91 oct.No sto.Pole line S.
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1-S4	80,91 oct.No sto.
Fairfield-Suisun	1 E,RR N	7	30 S5	80 oct.Poles N,S.
→(A) Fairfield-Suisun AAF (A)	5.5 NE	57	81h R2(L6)S4	73,91,100 oct.FOREIGN CLEARANCE STN.
Franklin	5.5 SSE, riv E	21	40h	
Gustine	2.2 E,RR W	120	24	Hwy N
→(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	16 S4	80 oct.No sto.
King City	1.5 NNE,RR W	360	46h	
Kingsbury (Lodi)	6 WSW	15	40h	RR NE.
→(P) Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.
Lincoln (Sacramento)	3.2 WNW,RR NE	120	40h	
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.No sto.Poles E.
Lodi Airpark	4.5 SW,RR W	25	28 S6	80 oct. Hwy E.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE,RR W Hwy W	2	17 S4	80 oct.
Martinez	0.8 N,RR S	6	20 S6	80 oct.Hill WSW.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	87	75h R2 L5 S6	91,100 oct. No sto.
Modesto	2.2 ESE,riv S	100	40h L1 S6	73,80 oct.Ben prior req.
(P) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L2 S1	80,91 oct.Lgts prior req.Data unver.
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior
Napa Sky Ranch (Napa)	2.2 NNW,RR W	40	18 S5	80, 91 oct. Hwy W req.
New Jerusalem(Tracy)	8 ESE	56	40h	River E.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	20 S1	80 oct.Pole line WNW.
Orange Bros. (Stockton)	5 N	23	20 L S6	80 oct.Port rnwy lgts.Poles W.
Petaluma	1.7 N,RR E,W	30	15 S4	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct. Pole line E.
Salinas	2.5 SE,RR SW	84	50h L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E,RR W	96	24 S1	80 oct.
Santa Rosa	7 NW,RR E	118	45h L5 S6	80,91 oct.Lgts on req.
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h R1 L5 S4	91, 100 oct. No sto.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S5	80,91 oct.Port rnwy lgts.Pole
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct. line SE.
State Forestry(Davis)(NC)	3 E,hwy N	228	26	Power line W.
Stockton	4 SSE,RR W,SW	27	45h L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW,RR E	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct.
Valley (Morgan Hill)	1.2 S,hwy E	540	17 S1	80 oct.Pwr pole SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW,bay W	125	17h	
West Lane(Stockton)	4.1 N,RR W	25	25 S1	73, 80 oct.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	97	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S4	80 oct.No sto.Port rnwy lgts. Poles E.
Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS GUARDED, HRS OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(116.1)	SBMRAZ-VDT	(3), 116.1
→ Bakersfield Kern Co.	278 (118.5)	C (ILS);141°, 1.5	(4);126.18,131.9,118.5,142.74
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
BELMONT	356 (F)	FMK, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
LEBEC FM	(- -)	FM, 141°, 42	Bakersfield
MOFFETT NAS (Mountain View)	3295	CN	(3), 126.18, 142.74
MT. VIEW (Navy)(Moffett NAS)	323 (NUQ)	BMRLZ, 320°, 1.9	(3), 126.18,142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMK, 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX	(4); 116.1
Oakland Airport	278 (126.18)	AC (ILS), 199°, 0	(4);126.18,118.7,131.9 (GCA)
POINT MUGU NAF	338 (142.74)	CN	3105,6210, 142.74 (8-20)
SAN FRANCISCO	227 (SF)	SBMRLZ-DT	(3)
San Francisco Airport	269(126.18,118.9)	C; 291°, 3.6	(4), 126.18,118.9,131.9
→ SANTA BARBARA	320(OY)(116.1)	BMRLZ-VDT	(4), 126.18,142.74,116.1
Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4), 118.7,131.9 (7-23)
SAUSALITO FM	(- - - -)	FM, 278°, 17.5	Oakland
PASO ROBLES, CALIF.	(108.7)(OB)	VARW	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD, CALIF.	109.9		300°Mag	IM- (.07)	MM- ····· (.80)	OM- -- (4.71)
					MMK-	OMK-
→ Oakland, Calif.	109.9		273°Mag	IM- ····· (.12)	MM-	OM- -- (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

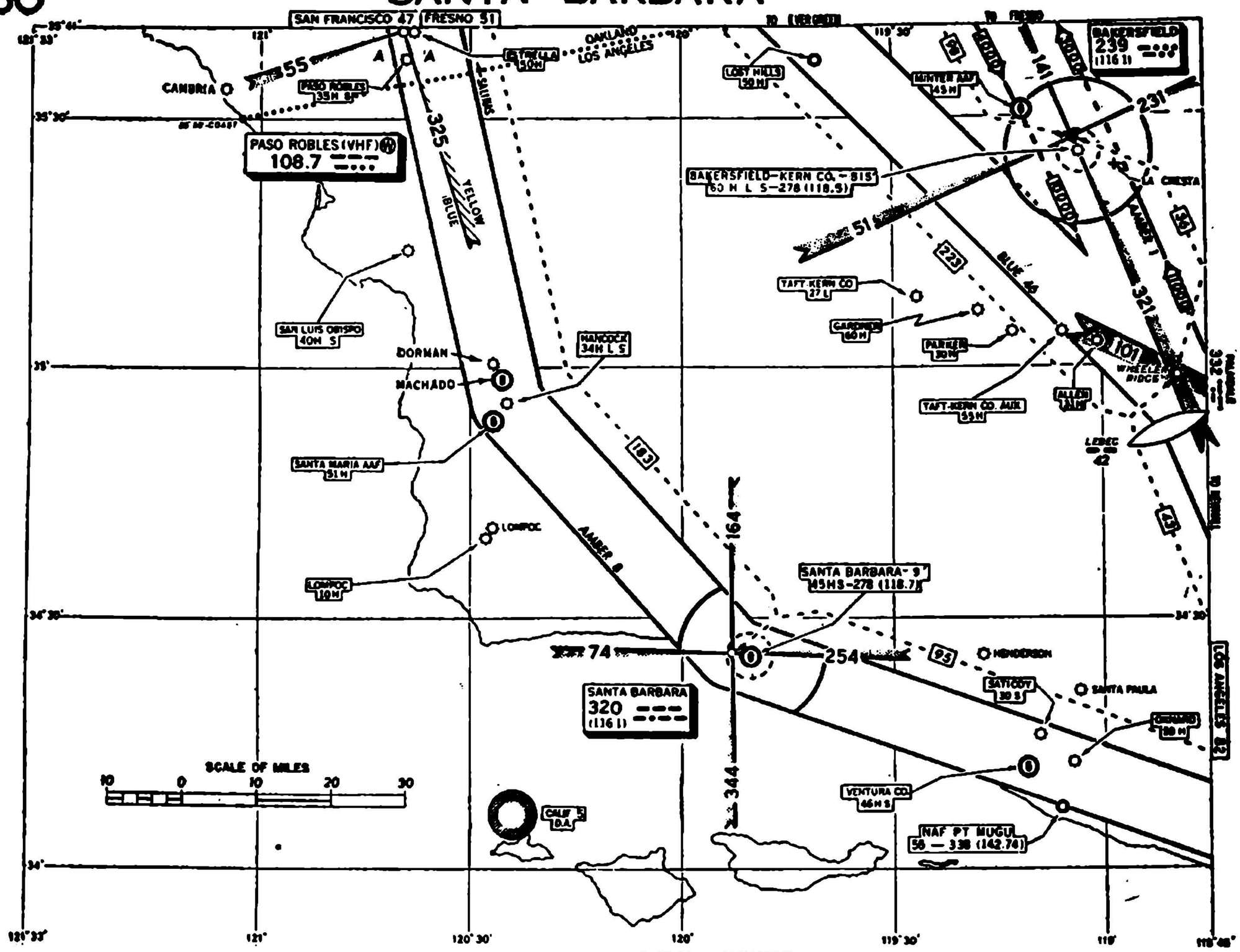
S-Simul Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

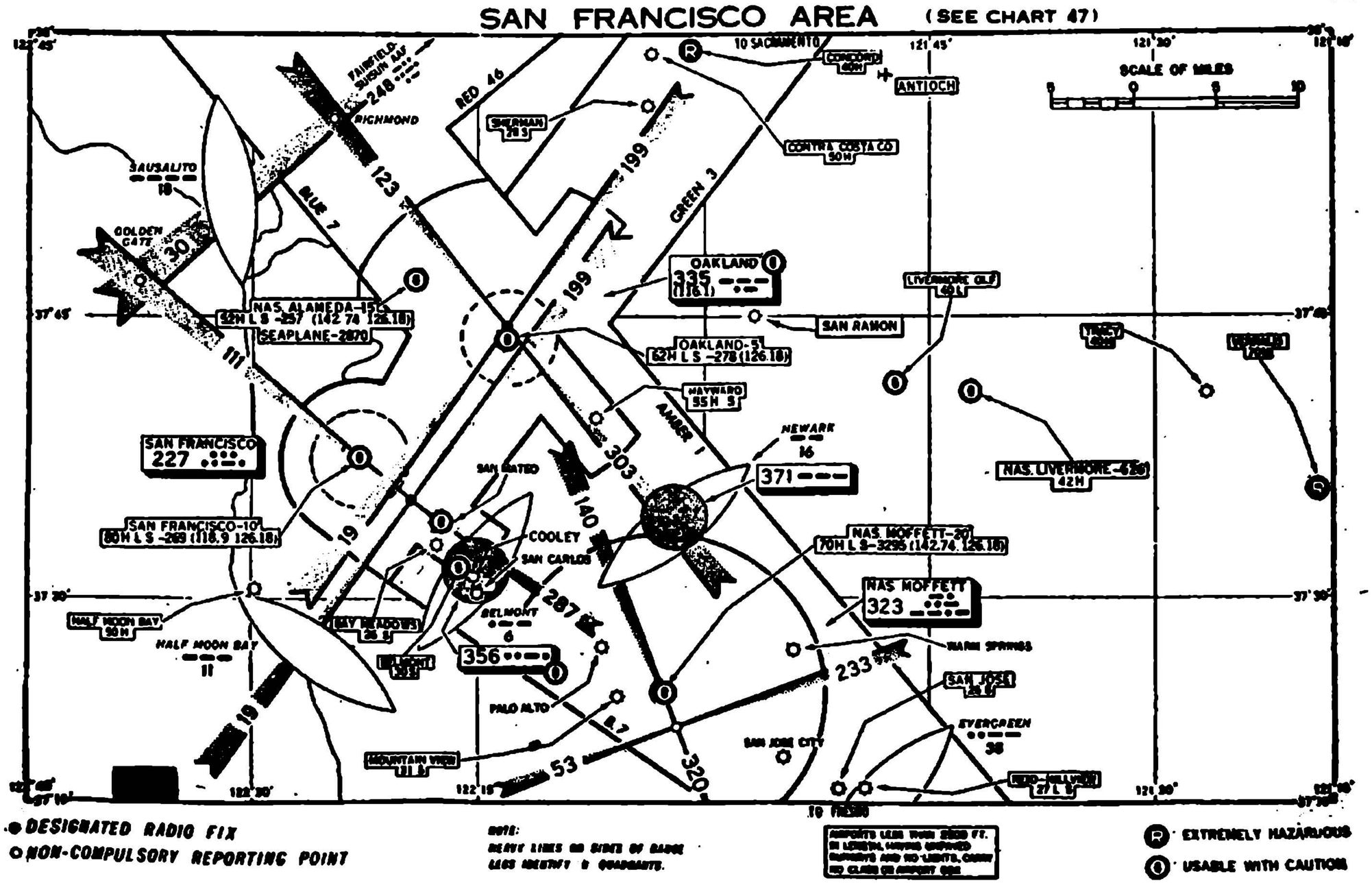
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay S,W	15	52h R1 L5 S6	91,100 oct.No sto.NAFC.
Allen (Taft)	26 ESE	500	31h	
Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 L3 S6	80,91 oct.Bldg SSE.No bcn.Strip lgts prior req.
Belmont	0.5 N,RR W	5	30 S4	73,80 oct.No sto.Bay E.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
(N) Concord (N)	1.9 NE,hwy S	104	40h	C-L-O-S-E-D
→ Contra Costa Co. (Concord)	1.5 NW,hwy S	22	50h	
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
Estrella (Paso Robles)	4.5 NE	806	50h	Use in emergency.
Gardner (Taft)	9 ESE,RR SE	444	60h	
Half Moon Bay	5.5 NW,hwy NE	36	50h	
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W.
Hayward	2 WSW,RR W	25	55h L5 S6	80,91 oct.No sto.Fld lgts prior req.
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unver.
(N) Livermore NAS (N)	3.7 E,RR N	626	42h	INACTIVE.
(N) Livermore OLF (N)	2 WNW,hwy E	448	40 L2	Poles E,N.Twr NE.
Lompoc	0.6 N,riv N	94	10h	
Lompoc, com.	2.5 N,riv S	200	18 S1	80 oct.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	INACTIVE.
(A) Minter (Bakersfield)(A)	13.5 NW,hwy E	410	45h	INACTIVE.
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	70h R2 L4 S4	91,100 oct.No sto.
Mountain View	2.2 NW,RR W	57	31 S6	73 oct.
(N) Oakland	5 S,RR SE	5	62h R3 L6 S6	73,80,91,100 oct.2-way rdo req.
Oxnard Flight Strip	5.5 E,RR S	84	50h	Use in emergency.
Palo Alto	2 ENE,bay E	5	23 L S6	73,80 oct.Port.rnwy lgts.Poles S
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct.
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-line E.C-L-O-S-E-D.
Reid-Hillview (San Jose)	4 E,hwy N	200	27 L3 S6	80,91 oct.No sto.or bcn.Poles N,S.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE,bay E	10	80h R2 L5 S1	80,100 oct.No sto.Rdo req.
San Jose City (San Jose)	2 NW,RR SW	70	18 S6	91 oct.No sto.Pwr line S.
(P) San Luis Obispo	2 SSE,hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE,RR E	6	15 S6	80,91 oct.No sto. Hwy W.
San Ramon	2.5 SE,RR adj E	440	25 S2	80,91 oct.
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Fld lgts till 2300
(A) Santa Maria AAF (A)	3.5 S,hwy E	258	51h	INACTIVE.
Santa Paula	0.8 S,riv S	240	22 L S6	80 oct.Port.strip lgts prior req.
Saticoy	1.5 S,RR N	80	30 S1	80,91 oct.No sto.Trees NE.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE,RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct Poles NW,SE.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tracy #5	3.6 S	190	40h	
Ventura County (Oxnard)	1 W,hwy E	44	46h L S6	80,91 oct.Flares prior req.
→ Vernalis	2.3 S	207	70h	
Warm Springs	2.3 SSE,RR W	100	29 S6	91,80 oct.No sto.
Cooley (San Carlos)	2.9 NNW,RR S	6	21 S6	80,91 oct, Hwy SW.
Dorman (Santa Maria)	4 N,RR SW	380	23 S1	80 oct.
Machado (Santa Maria)	2.2 N,RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E; road SW	125	26 S4	91 oct.
Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW,RR W	515	60h R3 L5 S6	80,91,100 oct.

A-hard surfaced runways R-radio facilities L-lighting facilities S-servicing. (See page xiii) NC-(not charted). → New or revised data

SANTA BARBARA



SAN FRANCISCO AREA (SEE CHART 47)



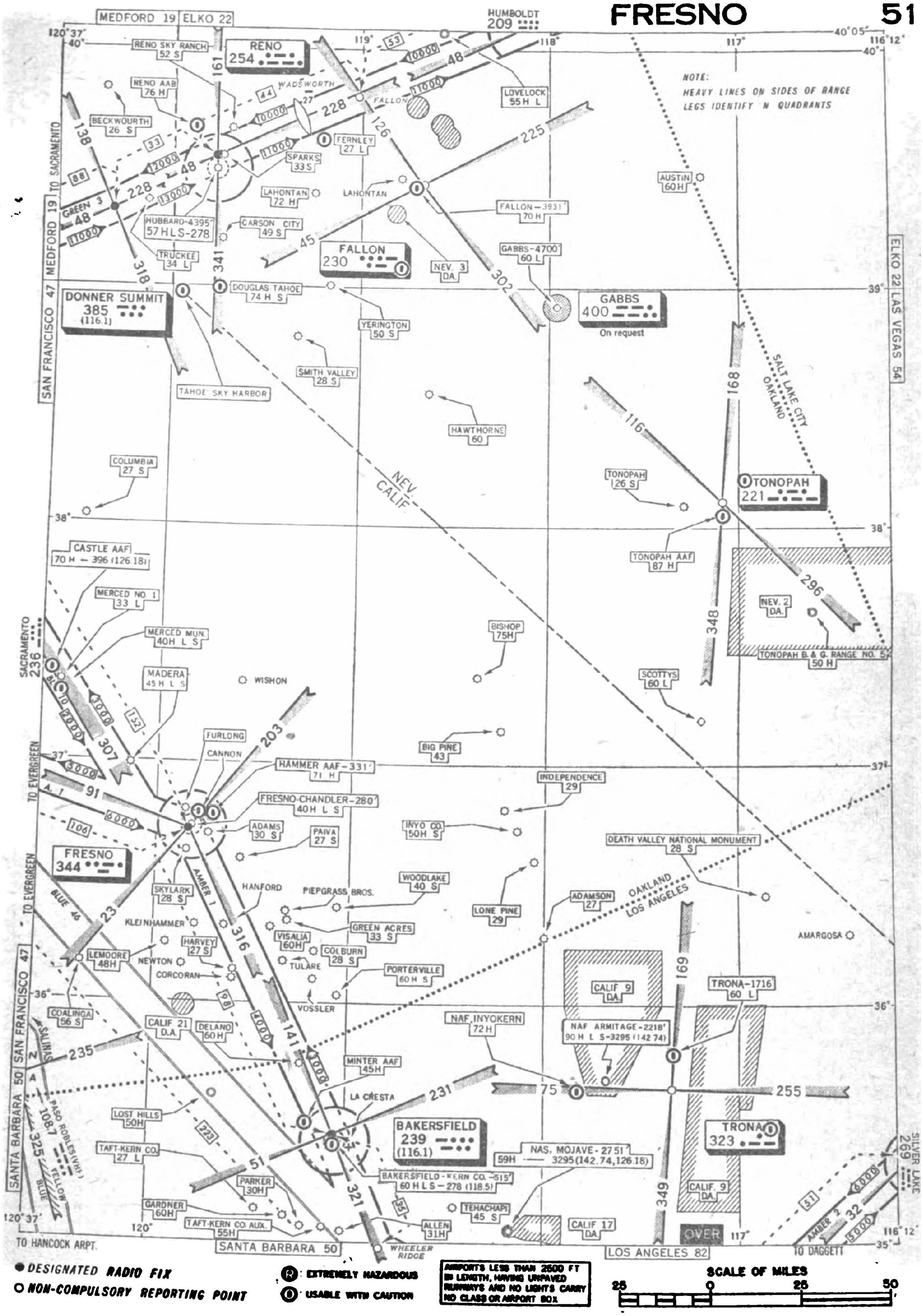
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON EDGES OF BLOCK LESS IDENTIFY 5 QUADRANTS.

AIRPORTS LESS THAN 3000 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CLOSED TO CLASS OR AIRPORT USE

(R) EXTREMELY HAZARDOUS
(C) USABLE WITH CAUTION

FRESNO 51


MEDFORD 19 ELKO 22
HUMBOLDT 209
120°37'
40°
119°
118°
117°
40°05'
116°12'
40°
RENO SKY RANCH 52 S
RENO 254
RENO AAB 76 H
BECKWOURTH 26 S
WADSWORTH
FALLON
LOVELOCK 55 H L
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS
FERNLEY 27 L
SPARKS 33 S
LAHONTAN 72 H
LAHONTAN
AUSTIN 60 H
FALLON — 3931' 70 H
HUBBARD-4395' 57 H L S-278
CARSON CITY 49 S
FALLON 230
GABBS-4700' 60 L
TRUCKEE 34 L
NEV. 3 DA.
DONNER SUMMIT 385 (116.1)
DOUGLAS TAHOE 74 H S
GABBS 400
On request
YERINGTON 50 S
SMITH VALLEY 28 S
TAHOE SKY HARBOR
HAWTHORNE 60
SALT LAKE CITY OAKLAND
TONOPAH 126 S
TONOPAH 221
COLUMBIA 27 S
NEV. CALIF
38°
CASTLE AAF 70 H — 396 (126.18)
TONOPAH AAF 87 H
MERCED NO. 1 33 L
NEV. 2 DA.
SACRAMENTO 236
MERCED MUN. 40 H L S
BISHOP 75 H
TONOPAH B. & G. RANGE NO. 5 50 H
MADERA 45 H L S
WISHON
SCOTTYS 60 L
FURLONG
CANNON
BIG PINE 43
37°
HAMMER AAF — 331' 71 H
INDEPENDENCE 29
FRESNO-CHANDLER-280' 40 H L S
ADAMS 30 S
PAIVA 27 S
INYO CO. 50 H S
DEATH VALLEY NATIONAL MONUMENT 28 S
FRESNO 344
SKYLARK 28 S
HANFORD
PIEPGRASS BROS.
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
OAKLAND LOS ANGELES
KLEINHAMMER
GREEN ACRES 33 S
VISALIA 60 H
COLBURN 28 S
HARVEY 27 S
LEMOORE 48 H
NEWTON
TULARE
PORTERVILLE 60 H S
AMARGOSA
CORCORAN
VOSSLER
36°
CALIF 9 DA.
TRONA — 1716 60 L
COALINGA 56 S
CALIF 21 D.A.
DELANO 60 H
NAF, INYOKERN 72 H
NAF ARMITAGE-2218' 90 H L S-3295 (142.74)
MINTER AAF 45 H
LA CRESTA
LOST HILLS 50 H
BAKERSFIELD 239 (116.1)
NAS, MOJAVE - 2751' 59 H — 3295 (142.74, 126.18)
TRONA 323
TAFT-KERN CO. 27 L
PARKER 30 H
BAKERSFIELD - KERN CO. — 515' 60 H L S — 278 (118.5)
GARDNER 60 H
TEHACHAPI 45 S
CALIF 17 DA
CALIF. 9 DA.
TAFT-KERN CO. AUX. 55 H
ALLEN 31 H
WHEELER RIDGE
SILVER LAKE 269
SAN FRANCISCO 47
MEDFORD 19 TO SACRAMENTO
ELKO 22 LAS VEGAS 54
SAN FRANCISCO 50
SANTA BARBARA
TO EVERGREEN
TO HANCOCK ARPT.
SANTA BARBARA 50
LOS ANGELES 82
TO DAGGETT
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS CARRY NO CLASS OR AIRPORT BOX
SCALE OF MILES
25 0 25 50

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR & DIST	FREQS GUARDED, HRS OF OPER., REMARKS
ARMITAGE (Inyokern)	3295(142.74)	CN	(3).126.18.142.74(days)
BAKERSFIELD (Kern Co.)	239 (BD)(116.1)	SBMRAZ-VDT, 141°, 1.5	(3);116.1
→ CASTLE FLD (MERCED)	396(126.18)	CA	(3);126.18
→ DONNER SUMMIT	385 (DS)(116.1)	BMRL-VDT	(4) :116.1
FRESNO (Fresno-Chandler)	344 (FT)	SBRAZ-DT, 23°, 0.9	(4)
MOJAVE NAS	3295(126.18)(142.74)	CN	(3);126.18.142.74;
TRONA (Int.)	323 (EW)	SBMRAZ-DT, 349°, 11	(4)Not manned cont.
→ BAKERSFIELD KERN CO.	278 (118.5)	C (ILS)	(4);126.18.131.9.118.5, 142.74

NEVADA

FALLON	230 (VA)	SBRAZ-DT, 219°, 2.9	(4) Not manned cont.
GABBS (Int.)	400 (GZ)	MHP	(4) not manned cont.
HUBBARD FLD (Reno)	278	CI	(4). Wed,Sat,Sun 6-19, other days 8-1630)
RENO-(Hubbard)	254 (RP)(116.1)	SBRAZ-VDT, 161°, 3.3	(4), 116.1
TONOPAH (AAF)	221 (RY) +	SBRAZ-DT, 168°, 2.8	(4) not manned cont.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
→ BAKERSFIELD, CALIF.	109.9		300° Mag.	IM (.07)	MM ·····(.80)	OM --(4.71)	
				MK	MMK	OMK	

2 Shaut Range and Voice. W Without Voice. V-VHF Range Station Location Marker. (3) 3105 4495 6210 kcs (4) 3105 4495 6210 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + Army A C S transmits on and guards 116.1 132.69 140.58 mcs

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct.No sto.Poleline NNW,SSE.Port rwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W; 75' twr E.
Allen (Taft)	26 ESE	500	31h	
Amargosa (Death Valley Jct)	0.7 W;hwy E	2037	22 S1	73 oct. Pole line S.
Big Pine	3.4 ESE;RR W	4000	43	1500'mts SE;1000' mts E.
Bishop	2 ENE;riv E	4121	75h L5	All lgts prior req.
Bryant (Bridgeport)(NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N;RR W	310	19 S6	80 oct.Pole line NNW.
→ (A) Castle (Merced) (A)	7 NW;RR SW	185	70h R1	CLOSED
Coalinga	1.5 N;hwy E	664	56 S4	80 oct. Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;rd S	220	19 S4	73,80 oct.No sto.Poles N, NW, SE.
Cornell (Porterville)(NC)	2.4 SSW;RR E	470	26	Poles SE.
Death Valley (Furnace Creek)	1 WNW	-178	28 S2	87-100 oct.
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
Delano	1.5 SE;RR W	315	60h	
FRESNO-CHANDLER (Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91,100 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct.
Gardner (Taft)	9 ESE;RR SE	444	60h	
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	33 S6	80 oct.Pole line SE.
→ (A) Hammer (Fresno)(A)	4.8 NE;rds N,E	331	71h	INACTIVE.
→ Hanford	1.2 SE;RR W	246	20 S4	80 oct.
Harvey (Corcoran)	2.7 NNW;RR W	200	27 S4	80 oct.No sto.
Independence	0.9 N;hwy W	3926	29	Trees S.
(P) Inyo County (Manzanar)	0.5 E;hwy W	3875	50h L5 S2	80 oct.All lgts prior req.
(N) Inyokern NAF (N)	0.5 WNW; RR E	2455	72h	INACTIVE.
Kleinhammer (Lemoore)	1.2 N;hwys S	225	16 S2	80 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unverified.
→ Lemoore	9 SW;RR NW	247	48h	
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
(A) Lost Hills #8 (A)	0.2 NE	285	50h	INACTIVE.
(N) Armitage NAF (Inyokern)(N)	8 ENE	2218		91,100 oct.No sto.CLOSED
Boston Land Co.(Westhaven)	1.7 SSW;hwy N.	300	31	(NC)

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. see page XIII (NC)-Not charted. →

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Madera	3.5 WNW;hwy E	271	45h L5 S4	80-100 oct. No sto.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) Merced, mun.	1.6 WSW;RR NE	152	40h L5 S6	80,100 oct,No sto.
Merced #1	2.5 NW;RR SW	165	33 L3	No beacon
(A) Minter (Bakersfield)(A)	13.5 NW;hwy E	410	45h	INACTIVE.
(N) Mojave (N)	0.7 E;hwy W	2751	59h R1	C-L-O-S-E-D.
Monache Meadow (Olancha)	10.8 WSW	8000	25	USPS. (NC)
Newton (Stratford)	2.7 SSW;riv E	194	23 S4	80 oct.No sto.Pwrline N,NW
Paiva Intercity (Parlier)	1.5 WSW,RR NE	330	27 S4	80 oct.Poles ESE.
Parker (Taft)	15 SE	550	30h	
Pieggrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S2	80 oct.
Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
Sequoia (Visalia)(NC)	8.5 NNW,RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RRadj E	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28 S6	80,91 oct.
Symons (Bishop)				ABANDONED
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N, RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USPS.(NC)
★ Trona 13, RV-ND	5 NE;rd W	1716	60 R1 L3	Fld sur by mins.
★ Truckee Int, 16B, SP-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec.-Apr.
Tulare	2.9 SSE; RR W	300	20 L S6	80,91 oct. No sto.
Tunnel (Olancha) USPS (NC)	16.5 WNW;riv S	9100	21	Mtns - timber 2000' NE.
→ Visalia	5 W;RR W	292	60h	
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S.
Wishon (Bass Lake) USPS	1.5 WNW	3380	22 S1	80 oct. Trees NNW.
Woodlake	2.6 ESE; lake NW	450	40 S4	80 oct. No sto.

NEVADA

(N) Austin OLF (N)	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct.Mts N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h S6	73 oct.
★ Fernley Int, 22, SP-SL	3.3 E;hwy NW	4156	27 L2	
Fallon	6 SE;hwy S	3931	70h R1	Closed,emergency use only.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60 R1 L3	
(N) Hawthorne	2 N;lake NNW	4200	60 L	Emerg. lgtg on ½ hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	57h R2 L5 S4	80 91 oct. Fld lgts prior req.
Lahontan (Fallon)	1.4 SSW;hwy N	4000	24 S4	80 oct.Poles ENE,WSW.Hwy W
Lahontan Flight Strip (Fernley)	15.5 S;hwy N	4279	72h	
Lovelock	1.5 ENE;riv W	3986	31 S2	80 oct.
Manhatten (NC)	6.8 W;hwy W	5850	40	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	Mts sur fld.C-L-O-S-E-D.
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct.Flare pots on prior req.
★ Scottys Int,22,RV-ND	9 SSE Gold Pt.	4300	60 L2	
Smith Valley	1 ESE;hwy N	4850	28 S6	73,80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5426	87h R1	INACTIVE.
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;RR W	4483	50 S1	73 oct.
Tahoe Sky Harbor(Genoa,Nev.)	6 WSW;RR N	6230	42 S1	80 oct.
(P) BAKERSFIELD-KERN COUNTY (Bakersfield,Calif.)	4.4 NNW; RR W	515	60h R3 L5 S6	80,91,100 oct.

NEW OR REVISED DATA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Love)	347(PN)(116.1)	SBRAZ-VDT,142°,5.5	(4), 116.1
CALIFORNIA			
NEEDLES	400(NJ)(116.1)	BMRLZ-VDT,195°,2.2	(4), 116.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-VDT,132°,1.9	(4), 116.1
NEVADA			
CRYSTAL FM	(-)	FM, 28°, 30	Las Vegas
LAS VEGAS	206(LQ)(116.1) (111.1)	SBMRAZ-VDT	(3)131.7,116.1 only
Las Vegas AAF	278(126.18,118.7)+	C (ILS), 28°, 1.9	(4),131.9,118.7,126.18
UTAH			
BRYCE CANYON (Int.)	108.3(BV)(111.1) (116.1)	VAR-VDPT,35°,0.8	3117.5,131.7,116.1, 129.7 cont.(3)req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-VDT,20°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-VT,20°,1	(4), 116.1
ST.GEORGE	108.7(GX)(111.1) (116.1)	VAR-VDP,229°,7.8	3117.5;131.7,116.1, 129.7,(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM; 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LAS VEGAS AAP, NEV.	110.3	335	25° Mag	IM	MM ·-- (.66)	OM -- (4.2)
					MMK	OMK

S-Simul. Range and Voice, W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L3	
Clemenceau (Cottonwood)	1.7 SSW,hwy NE	3400	29 L1 S4	73 oct.
Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14.8 S,RR W	6362	65 S4	80 oct.Trees ENE,WNW, SSW.Rnwy data unver.
Kingman	8.5 NE,hwy NW	3446	65h	
Mohave Co.(Kingman)	8.5 NW,hwy E	2850	34 S1	73 oct.
Port Kingman (Kingman)	3 NE,RR S,E	3453	54 L3 S1	80,91 oct.All lgts prior req.
(P) Valle	2.3 E RR W	5990	60 L3	Fld lgts prior req.
Verde Valley (NC)	1.8 SE,riv W	3400	30	(Cottonwood)
Williams	4.3 N,RR E	6600	41 S6	80 oct.Mts SW.
→ Yucca	1.5 NE,RR W	2039	60h	

CALIFORNIA

* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
→ Needles	5.5 S,hwy E	990	58h R1 L3	
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE
* Silver Lake Int,18, → LA-SL	2.5 SSE,RR E	917	40 R1 L3	Rnwy data unverif.

NEVADA

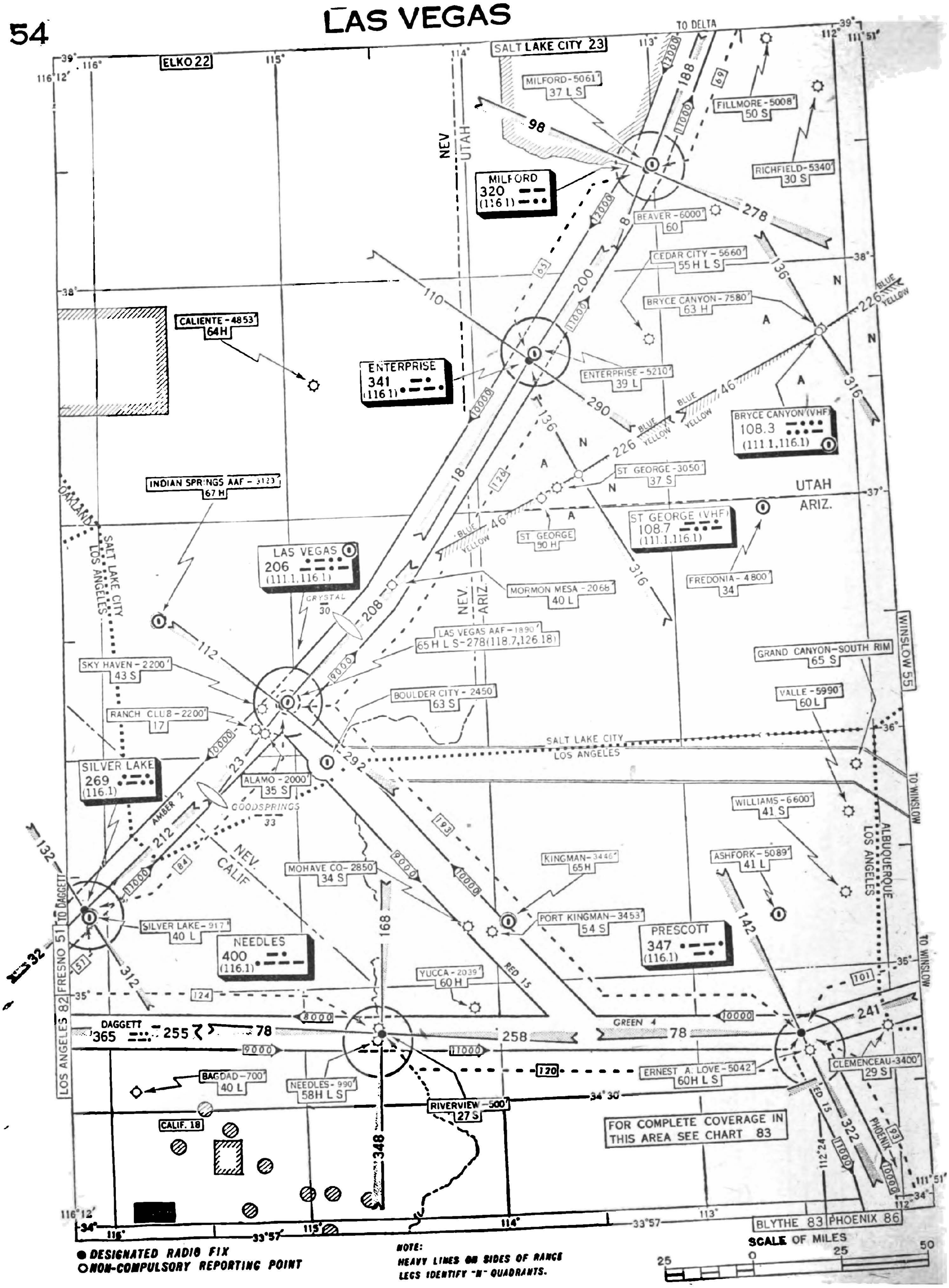
Alamo (Las Vegas)	5.5 SSW,RR SW	2000	35 S4	73,80,91 oct.
(N) BOULDER CITY	1.8 SW,RR W	2450	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3123	67h	INACTIVE.
(A) Las Vegas AAF(A)	7.8 NE,hwy NW	1890	65h R3 L5 S6	100 oct. No sto.
* Mormón Mesa Int, 31B,LA-SL	6 ENE Glendale	2068	40 L3	
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	5.5 SW,RR E	2200	17	Mts WSW,ENE,E.
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas)

UTAH

Beaver	3.2 SSW,hwy E	6000	60	
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
Cedar City	2.3 NW,hwy W	5660	55h L5 S6	80,91 oct.
* Enterprise Int,39	8 NNE,hwy N	5210	39 R1 L3	LA-SL
Fillmore	2 WSW,hwy SE	5008	50 S2	73 oct.
Milford,45,LA-SL	2.3 NNW,RR E	5061	37 R1 L3 S1	80 oct.
Richfield	1.8 SSW,RR E	5340	30 S4	80 oct.
St.George	1.5 SSW,riv SSE	3050	37 L2 S4	80 oct. Fld lgts & svcg prior req.
* St.George Int,36, LA-DV	6 SE		50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

LAS VEGAS

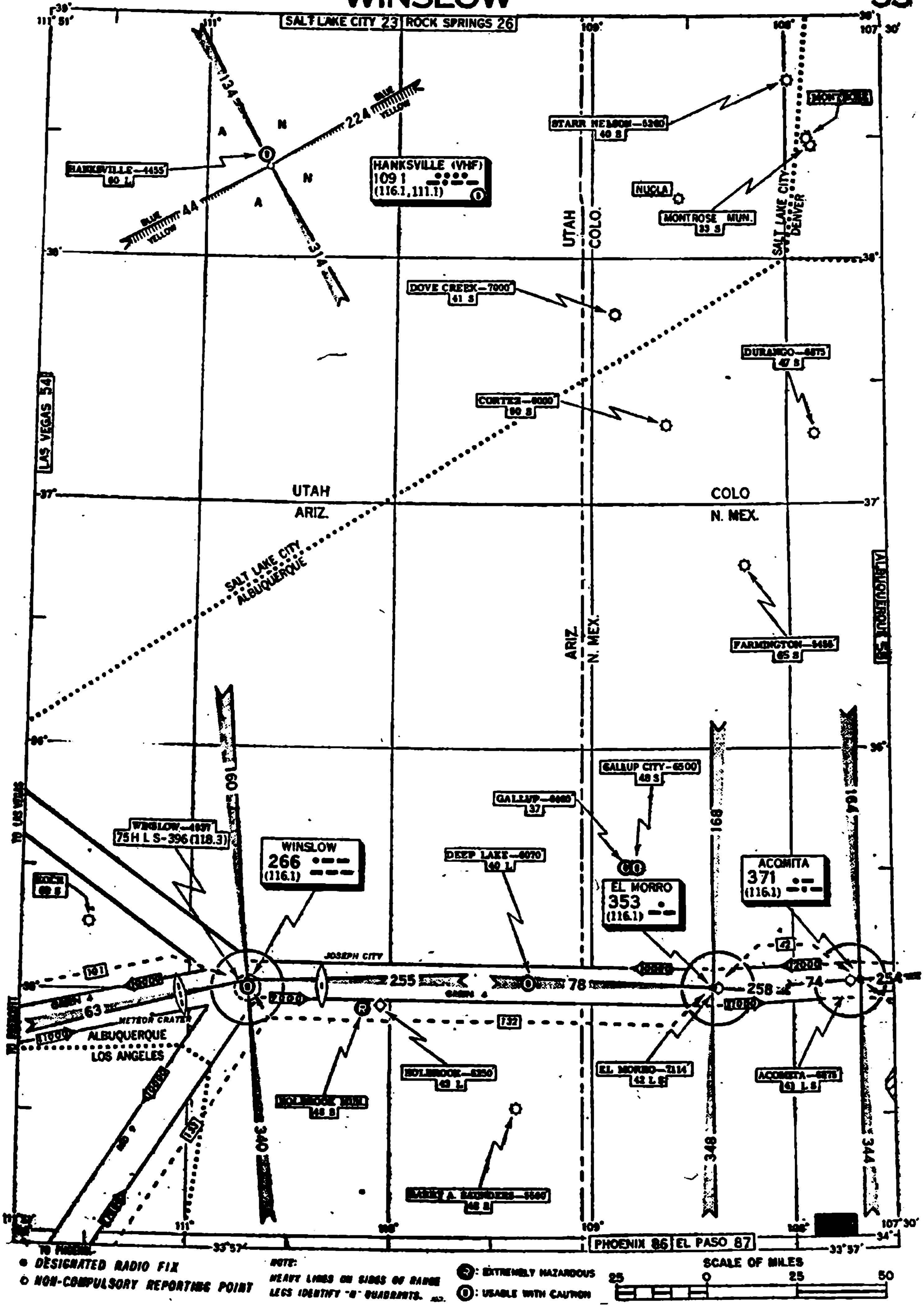


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

SCALE OF MILES
25 0 25 50

WINSLOW



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS, ETC.

Ⓔ: EXTREMELY HAZARDOUS

Ⓤ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM.	(- - -)	FM, 243°,18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-VDT	(4), 116.1
→ Winslow Airport	396 (118.3)	C, 160°, 1.5	(4),118.3,131.9,126.18, .(10-18)
NEW MEXICO			
ACOMITA (Int.)	**371(AK)(116.1)**	**BMLZ-VDT,254°,1.9**	**(4), 116.1**
→ **EL MORRO (Int.)**	**353(EM)(116.1)**	**BMRLZ-VDT,78°.0.1**	**(4), 116.1**
UTAH			
HANKSVILLE Int.	**109.1(HY)(111.1) (116.1)**	**VAR-VDP,314°,2.8**	**Not manned cont. (3) on req,3117.5;116.1, 131.7,129.7**

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — ARIZONA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1.4 NE;hwy W	4200	50	
★ Deep Lake Int,54A, LA-AQ	1.5 W;hwy E	6070	40 L3	Poles S.
Holbrook	2.2 NNE;RR SE	5200	48 S4	80 oct.
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L3	
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S1	Ltd 80 oct.Hills SW
Saunders, Harry A. (St. Johns)	1.1 NNW,hwy S	5560	48 S2	80 oct.25' poles NE
Window Rock(NC)	0.8 SSW;rd N	6800	52	Bluffs ENE,NNE
(P) WINSLOW	2 SW;RR N	4937	75h R2 L5 Sl	91 oct.
COLORADO				
(P) Cortez	3.1 SW;hwy E	6000	50 S4	80 oct.
Dove Creek	0.6 E;creek W	7000	41 S1	80 oct. Pwr line SSW
(P) Durango	1.5 NE	6875	47 S6	80 oct.
Mancos (NC)	1.4 NNE;RR S	7500	30	
Montrose Mun.	1.3 S,RR NE	5800	33 S4	80 oct.
Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.
Montrose	1.5 NNW;hwy S	5780	58 S2	80,91 oct.
Nucla	2.3 SSW,riv S	5910	36	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC) not charted. → NEW OR REVISED DATA.

NEW MEXICO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy N	6575	41 R1 L3 S1	73,91 **oct.in emerg.**
Cubero (NC)	2.4 W;hwy S	6200	30	Pole line S. 11,000' mtns N.
★ El Morro Int,59B, LA-AQ	4.5 WSW;lake NW	7114	42 R1 L3 S1	Ltd 91 **oct.** Rough.
Farmington	1.4 NW on mesa	5455	65 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Poleline SSW
Gallup City	2.6 WSW;RR N	6500	48 S4	80 oct Pole line WSW.
Indian Service (Shiprock) (NC)	1.8 SSW;riv N	5100	19	**Pole line NW.**
Aztec (NC)	2.2 NW on mesa	5700	28	Emerg only.
UTAH				
★ Hanksville Int,54, LA-DV	4 NE	4455	60 L3	
Monument Valley (Goulding Trading Post) (NC)	0.5 N;hwy E	5284	30	

ALBUQUERQUE

RADIO — COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COLORADO SPRINGS (Peterson)	224 (CD)	MRLWZ.166°,3.9	
FOUNTAIN FM	(- - - -)	FM;344°,32.7	Pueblo
LA JUNTA AAF	281(LH)(116.1)	SBMRLZ-VDT,194°,2.6	(4);116.1
PETERSON FIELD(Colorado Springs	272 (126.18)	CA	(4);116.1,126.18
PUEBLO	302 (PU)(116.1)	SBRAZ-VDT;340°, 2	(4);116.1
TRINIDAD	329 (TD)(116.1)	SBMRAZ-VDT,170°,3	(4);116.1

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALBUQUERQUE (Kirtland)	230(AB)(116.1)	SBRAZ-VDT;354°,3.1	(3); 116.1
ANTON CHICO (Int)	219(AC)(116.1)	MHVT	(4); 116.1
CLOVIS (Army)	203 (DCV)	BMRAZ	(3)
Clovis AAF	396(126.18)	CA(ILS),34°,6.2	(3);126.18
Clovis AAF	526 (DCV)	HW-DT; 130°,1.6	
JUAN TOMAS FM	(- -)	FM; 71°, 18	Albuquerque
KIRTLAND FIELD (Albuquerque)	278(126.18.118.7)+	AC (ILS)	(4);126.18.118.7.131.9
LAS VEGAS	359(VH)(116.1)	SBMRAZ-VDT;80,3.2	(4);116.1
MAXWELL FM	(- -)	FM, 170°, 54	Trinidad, Colo.
OTTO (Int.)	290(OT)(116.1)	BMRLZ-VDT;74°,0.2	(4); 116.1
PERALTA FM	(- - -)	FM, 174°, 11.6	Albuquerque
SANTA FE (New)	206(SJ)(116.1)	MHVT	(4); 116.1
SOCORRO	206(OS)(116.1)	MHVT	(4); 116.1
TUCUMCARI	212(YC)(116.1)	SBMRAZ-VDT;76°,2.2	(4); 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Clovis, N.Mex.	109.9		33° Mag.	IM- (.23)	MM- ····· (.86)	OM- -- (4.36)
					MMK-	OMK-
Kirtland, N.Mex.	110.3	335	349° Mag.	IM-	MM- ·-·- (.64)	OM- -- (4.32)
					MMK-	OMK-

- S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker, (3) 3105, 4495, 6210 kcs, (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — COLORADO

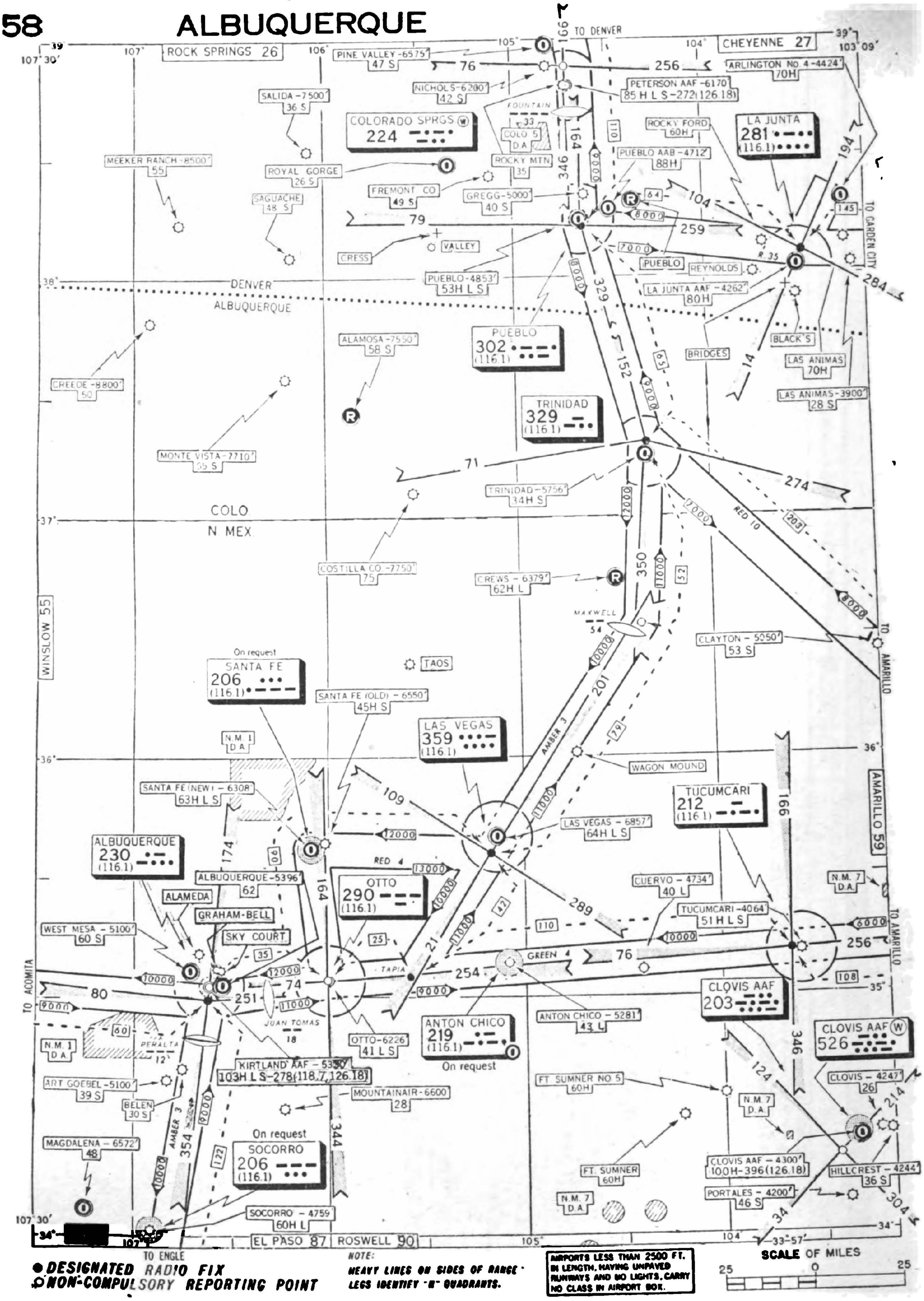
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamosa	2 S; hwy W	7550	58 L3 S4	80 oct. Fld lgts prior req.
(A) Arlington #4(La Junta)(A)	28 NNE	4424	70h	Arlington 3.3 WNW. C-L-O-S-E-D.
Black's (La Junta)	4.8 S;riv 5 S	4250	21	
Costilla County(Mesita)	4 E; RR W	7750	75	
Creede	2 SSE;hwy NW	8800	50 S2	No fuel. Rough off strips.
Cress (Westcliff)	6 W	8000	30 S1	80 oct. Pole line E.
Fremont Co. (Canon City)	6.9 E; riv S	5350	49 S2	80 oct. Rnwy data unver.
Gregg (Pueblo)	6 N;RR,hwy E	5000	40 S1	80 oct.
(A) La Junta AAF (A)	4.4 NNE;rd W	4262	80h R1	INACTIVE.
La Junta Bridges (La Junta)	3 SW; hwy E		30 S1	80 oct. Data not verified.
Las Animas	1.4 S; RR N	3900	28 S4	80 oct. Poles W.
Las Animas (La Junta)	19 NE	4119	70h	Las Animas 5.9 SSE.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	
Monte Vista	3.5 W; RR N	7710	55 S4	80 oct.
Nichols (Colorado Spgs)	2.8 NNR;hwy W	6200	42 S6	80,91 oct. Pole line SE,NE,N.
Ordway (NC)	0.9 S; RR N	4300	40	NOT MAINTAINED.
(A) PETERSON (Colorado Spgs)	6.3 E; hwy N	6170	85h R2 L5 S6	73,91,100 oct. No sto. (A)
Pine Valley(ColoradoSpgs)	9.2 N; hwy E	6575	47 S6	80,91 oct. Poles E,W,NNW.
(P) PUEBLO	2.1 SW	4853	53h R1 L5 S6	80,91 oct.
(A) Pueblo AAB (A)	7 NE; RR S	4712	88h	INACTIVE.
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	Pole line NE
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 S.
Rock Mtn.(Colorado Spgs)	6 ESE	6100	35 S2	No fuel.
Royal Gorge(Canon City)	6.4 NW; hwy N	6320	26 S2	80,91 oct. Pole lines N.
(P) Saguache	2 W; hwy NE	7700	48 S1	80 oct.
Salida	4 W; RR S	7500	36 S2	80 oct.
Trinidad	10.5 ENE;hwy E	5756	34h R1 L1 S2	80 oct. Use rnwys only.
Valley (Silver Cliff)	0.7 ESE;hwy W	8000	40	

AIRPORTS — NEW MEXICO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alameda (Albuquerque)	7.4 N; RR E	5400	37	
Albuquerque	6.3 ESE;hwy N	5429	62	RFC surplus acft fld.
★ Anton Chico Int,78A,LA-AQ	4.5 SE; hwy E	5281	43 R1 L3	
Art Goebel (Belen)	3.2 W; RR E	5100	39 S1	Ltd 73 oct.
Belen Air Strip	2.7 N; RR E	5000	30 S1	73 oct.
Clayton	1.5 E; RR S	5050	53 S2	73 oct.
Clovis	0.8 NW;RR S	4247	26	
A) Clovis AAF (A)	6.5 W; RR N	4300	100hR3	CLOSED
P) Crews,42,EQ-PU (Raton)	11.5 SSW;hwy W	6379	62h L2	
★ Cuervo Int,81B,LA-AQ	5 N	4734	40 L3	Poles W, lgtd.
Cutter-Carr #2 (Albuquerque)	3.6 NE; RR W	5120	46	Pole line ENE. (NC)
Eagle Nest Lndg Strip(NC)	1 NE	8450	40	11,000' mts NE. Use in emergency.
Ft. Sumner	1.5 NNE;RR S	4166	60h	
" " #5	16 ENE	4830	60h	
Graham-Bell(Albuquerque)	4.5 ENE	5400	27 S6	73,91 oct.
Hillcrest (Clovis)	2.1 E; RR S	4244	36 S4	73 oct. No sto.Pole line S.
Holbrook's (Cuervo)(NC)	0.8 NE; RR S	4810	19	300' mt. SE
A) KIRTLAND (Albuquerque)(A)	3.8 SSE; rd N	5330	103hR3 L6 S6	73,91,100 oct. JP-1. No sto.
LAS VEGAS	6 NE; RR W	6857	64h R1 L5 S6	80,91 oct.
Magdalena	0.8 N; RR S	6572	48 S1	Ltd 73 oct. Pole line SW.
Maxwell (NC)	1.7 N; hwy E	6000	36	
Mountainair	1.1 NNE;RR S	6600	28	Pole line N.
★ Otto Int,74,LA-AQ	5.8 N Moriarty	6226	41 R1 L3 S1	Ltd 80,91 oct.
Portales	4.5 SW;RR NNW	4200	46 S1	73 oct.
Roy (NC)	1.5 N; RR W	5900	26	PRIVATE
SANTE FE (new)	9.8 WSW;hwy SE	6308	63h R1 L5 S1	91 oct airlines. Poles E.
" (old)	6.3 SW;hwy E	6550	45h S6	73,80 oct;91 oct in emerg.
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct. No sto.
Socorro	2.5 S; hwy E	4759	60h R1 L5	Use rnwys only.
Taos	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW.
Tucumcari	7 E;hwy,RR S	4064	51h R1 L5 S6	80,91,100 oct.
Wagon Mound	0.6 WNW;RR E	6500	21	Pence N; mts SE, W.
West Mesa (Albuquerque)	3.8 W; hwy S	5100	60 S6	73,80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities S-servicing (See page X111) (NC)-Not charted. ➡ NEW OR REVISED DATA

ALBUQUERQUE



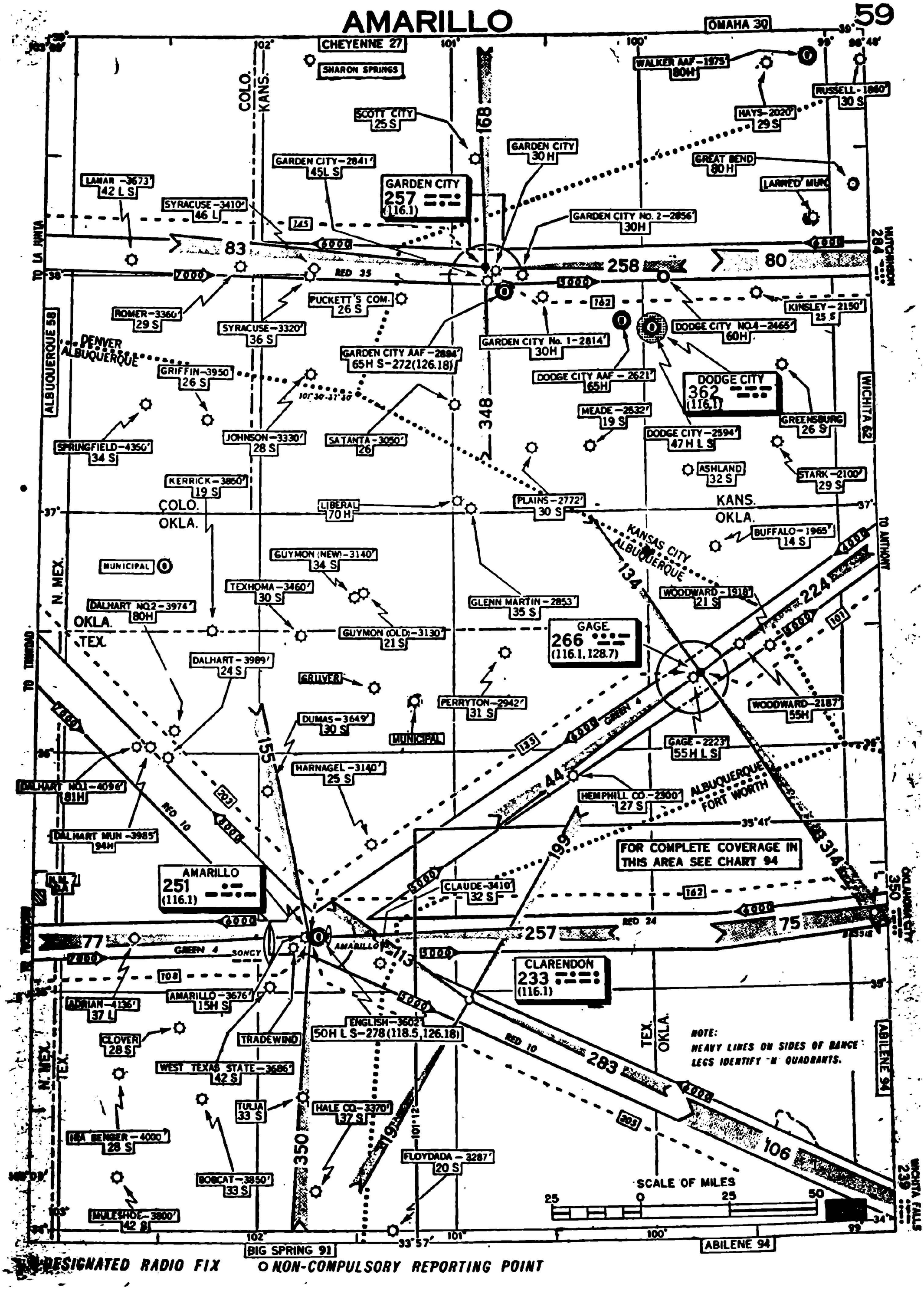
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

SCALE OF MILES
25 0 25

AMARILLO



DESIGNATED RADIO FIX O NON-COMPULSORY REPORTING POINT

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
KANSAS			
DODGE CITY	362 (OD)(116.1)	MHVT	(4) -116.1
GARDEN CITY	257 (GK)(116.1)	SBRAZ-VDT	(4):116.1
Garden City AAF	272 (126.18)	CA;168°,3.75	(4): 126.18 (8-17)
OKLAHOMA			
GAGE	266 (VM)(116.1)	SBRAZ-VDT,224°,2.1	(4): 116.1
TEXAS			
AMARILLO	251 (AQ)(116.1)	SBRAZ-VDT,77°,2 to English Fld	(3): 116.1
AMARILLO LFM	(-)	LFM, 77°, 4.9	Amarillo
CLARENDON	233 (CP)(116.1)	BMRL-VDT, 199°,2	(4), 116.1
ENGLISH FIELD (Amarillo)	278 (118.5) (126.18)	AC (ILS)	(4):126.18,118.5,131.9
SONCY FM	(- - -)	FM, 257°, 11.5	Amarillo

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE PLUS COMPASS LOCATORS		
ENGLISH, TEX.	110.3	335	209° Mag.	IM	MM ---- (.62)	OM -- (4.35)
					MRK	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
COLORADO				
Griffin (Walsh)	0.7 N,RR S	3950	26 S6	80 oct. Poles S.
(P) Lamar,10,PU-WD	3.7 WSW,RR N	3673	42 L3 S2	80 oct
Romer (Holly)	1.5 SSE,riv N	3360	29 S1	Ltd 80 oct. Pole line SW, NW.
(P) Springfield, Com.	3.8 N,hwy W	4350	34 S1	73 oct. Poles NW, W, SW.
→ (P) Trading Post (Kit Carson) (NC)	0.8 NW,crk E	4290	40	PRIVATE. Pole line S.
KANSAS				
Ashland	1 E, RR S	1940	32 S2	80 oct. Poles S, E.
DODGE CITY	3.5 ENE,RR SE	2594	47h R1 L3 S6	80,91 oct. Fld lgts prior req.
(A) Dodge City AAF (A)	6 NW, RR S	2621	65h	C-L-O-S-E-D.
(A) Dodge City No. 4 (A)	17.4 NNE	2465	60h	C-L-O-S-E-D.
GARDEN CITY MUN	3.3 E,riv S	2841	45 R1 L3 S6	73,80 oct. Lgts prior req.
→ (A) Garden City AAF (A)	9 ESE,riv S	2894	65h R1 S1	73, 100 oct.
Garden City No. 1	19.5 ESE	2814	30h	
Garden City No. 2	13.4 E	2856	30h	
Garden City No. 3	6 ENE	2917	30h	
Glenn Martin(Liberal)	2 ESE,hwy SW	2853	35 S2	80 oct. Pole line SE,SW.
Great Bend	4.5 WSW	1891	80h	
Greensburg	1 ESE,RR N	2280	26 S1	80 oct. Poles N.
Hays	1.5 E,RR S	2020	29 L S6	80, 91 oct. Port rnwy lgts.
Johnson	0.5 N,hwy W	3330	28 S6	80 oct. Pole line N,NW,NE,S.
Kinsley	1.5 SSE,riv SE	2150	25 S1	80 oct. Pole line W
Liberal	1.5 WNW	2888	70h	
Meade	3 ESE,hwy N	2532	19 S2	80 oct. Use strips only. Pole line N.
KANSAS				
Plains	1.3 NNE,hwy N	2772	30 S2	80 oct. Pole line S, E.
Pucketts Com.(Lakin)	3.5 S,riv N,NW	3050	26 S1	Ltd 80 oct. Trees N.
Russell	2.7 ESE,RR NE	1860	30 S4	80 oct No sto. Poles N,S,NE
Satanta	1 N,RR S	3050	26 S2	No fuel.
Scott City	1.3 ESE,hwy N	2980	25 S1	73 oct. Pole line N,NE,NW,SW.
Sharon Springs	1.2 NNW,RR S	3500	32 S1	80 oct. Pole line E.
Stark (Coldwater)	0.7 NE,RR SE	2100	29 S2	80 oct. Poles N,S,E,SE,NE.
Syracuse	1 N,riv S	3320	36 S2	80 oct. Pole line S,SE.
* Syracuse Int,16,PU-WD	3.7 NNE,hwy W	3410	46 L3	
(A) Walker AAF (Hays)(A)	12.5 E,hwy S	1975	80h	C-L-O-S-E-D
Larned Mun.	1.6 NNE,RR SE	2012	33 S6	80,91 oct.
OKLAHOMA				
Buffalo	0.6 NW,crk N	1965	14 S2	80 oct.
(P) Gage	1.8 SW,riv N	2223	55h R1 L5 S1	80 oct.
(P) Guymon (new)	3 SW,hwy N	3140	34 S6	73, 80 oct. Pole lines N, E.
Guymon (old)	0.7 S,RR,hwy W	3130	21 S6	73 oct. Pwr line N, S. No sto.
Municipal (Boise City)	3 N,hwy W	4200	33	
→ Woodward	7.5 W,hwy S,E	2187	55h	
Woodward (mun.)	1.5 SE,hwy W	1918	21 L1 S6	80 oct.
TEXAS				
* Adrian Int,92B,LA-AQ	4.2 SSE,RR N	4136	37 L3	
Amarillo	6 ENE,RR NW	3676	15h S6	73 oct. Pole line N,S.
Bobcat (Dimmitt)	1.5 E,RR W	3850	33 S2	73 oct.
Claude	1.2 WNW,RR N	3410	32 S1	73 oct. Pole line S,N,NW.
Clover (Hereford)	2.2 NNE,hwy S	3800	28 S2	73 oct. Pole line N,E,SE.
Dalhart	6.2 SSE,RR E	3980	24 S6	73 oct.
Dalhart mun.	3.8 SSW;RR N	3989	94h	
Dalhart No. 1	9.7 WSW;RR,hwy E	4096	81h L	
Dalhart No. 2	5.5 NE,hwy NW	3974	80h	
(P) Dumas	0.7 S,hwy W	3649	30 L S2	73 oct. Poles N.
(A) English (Amarillo)	9 ENE,RR N	3602	50h R3 L6 S6	100 oct. Poleline N,NW.
Floydada	1.2 NNW,RR N	3287	20 S1	80 oct. Pole line S. RR SW.
(P) Hale Co. (Plainview)	1.6 S,hwy E	3370	37 S6	80,91 oct.
Harnagel (Borger)	2.5 SSW,RR N	3140	25 S2	80 oct. Use strips. RR E.
Hemphill Co.(Canadian)	1.5 SW, riv N	2300	27 S2	Ltd 73 oct.
Ira Benger (Friona)	1.8 NE,RR S	4000	28 S2	73 oct.
Kerrick	1.5 N, RR SW	3850	19 S1	80 oct. Pole line SW.
Muleshoe	1 ENE,hwy N	3800	42 S1	73 oct.
Municipal (Spearman)	0.8 NW,RR SE	3104	30	Pole line.
(P) Perryton	3 ENE,hwy N	2942	31 S2	73 oct. Pole line E.
Texhoma	1 SSW,RR N	3460	30 S2	73,91 oct. Pole line N.
(P) Tulia	1.5 NNW,RR W	3500	33 S1	73 oct. Pole line NE,E,SE.
West Texas State (Canyon)	3 N,hwy E	3686	42 S6	73 oct. 20' Poles SF.
Tradewind (Amarillo)	1.5 SE	3636	30 S6	Data not verified. (Texas)
Gruver,Tex.	0.7 WNW,RR E	3200	40 S1	80 oct. P-line W,E,SE,SW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS: GUARDED, HRS. OF OPER., REMARKS
ANTHONY	382 (AY)(116.1)	MHVT	(4);116.1
CASSODAY (Int.)	239 (CY)	MHT	(4)
HUTCHINSON	284 (HN)(116.1)	SBMRLZ-VDT;350° 3.1	(4);116.1
KECHI FM	(- - - -)	FM, 341°,10.6	Wichita
OXFORD FM	(- -)	FM; 167°, 27	Wichita
SALINA	108.3 (NS)	VARW	
SMOKY HILL (Salina)(Army)	344 (DSH)	BMRLZ-DT	(4)
Smoky Hill AAP	396(116.2)(126.18)	CA(ILS);170°,5.05	(4); 116.1,126.18
TOWANDA FM	(-)	FM, 46°,18.8	Wichita
VIOLA FM	(- - -)	FM, 226°, 24.7	Wichita
WICHITA	332 (WD)(116.1)	SBRAZ-VDT	(3);116.1
Wichita Airport	278(126.1)(118.7)	AC(ILS);167°, 1.0	(4);131.9,126.18,118.7

OKLAHOMA

ENID(Army)	209 (DND)	BMRLZ	(3); 126.18
Enid AAP	396 (126.18)+	CA; 214°,3.7	(3); 126.18)
PHILLIPS ARPT(Bartlesville)	278	CI	3105 (On req)
PONCA CITY	368(PC)(116.1)	MHVT	(4); 116.1
RED FORK FM	(- - -)	FM, 325°,13.7	Tulsa
SKIATOOK FM	(- - - -)	FM, 298°,17.8	Tulsa
TULSA AIRPORT	278(126.18)(118.5)	AC	(4);131.9,118.5,126.18

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs.)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
SMOKY HILL AAP, KANSAS	109.9	333.8	123° Mag.	IM (.19)	MM ·····(.89)	OM -- (4,20)
					MMK	OMK
WICHITA, KANS.	110.3		2° Mag.	IM ·····(.05)	MM	OM -- (5,37)
					MMK	OMK

S-Simul Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abilene	1.7 WSW; RR N	1100	29 S6	80 oct. Trees E;pole line SE.
(P) Anthony,24,AQ-KC	3 WNW; hwy S	1339	48 R1 L3 S6	73,91 oct.
Arkansas City	3.5 S; RR W	1067	28 S6	73, 91 oct.
Arther Airfield (Wichita)	3 SW; RR N	1290	26 L S6	73,91 oct.No sto.Port lgts.
Baird (Arkansas City)	4 W; hwy S	1100	17 S2	73 oct.Poleline S,SW.Poles S
Beech (Wichita)	6 E; hwy N	1378	46h	Factory use only..
Caldwell	1.2 E; RR W	1140	21 S2	73 oct. Poles E, S
Cannon Ball (Wichita)	6.5 WSW;hwy N	1300	24 S6	80 oct. No sto.Pole line N.
★ Cassoday Int,34,AQ-KC	1 SSE; hwy W	1480	32 R1 L3	Twrs S.
Cessna Aircraft (Wichita)	4.5 SE; hwy W	1369	53 S1	80 oct.
Clothier (Cedar Point)	4 SSW;creek E	1320	20 S2	73 oct.
Culver (Wichita)	4 N; hwy W	1320	15h	
Derby	1 NNE; RR W	1305	24 S1	73 oct. Poles N.
El Dorado	3.6 SE; hwy W	1400	25 S6	80 oct. Soft, wet weather.
Ellinwood	1.5 NW; RR S	1790	26 S1	73 oct. Poles N.
Emporia	5.4 S; hwy E	1200	26 S6	80 oct. Poles E,SE,NE.
Eureka	3.2 E; RR N	1100	21	Pole line S.
Frasier (El Dorado)	2.5 S; riv W	1300	25 S6	80 oct. Poles E, NE.
Giffin-Orton (Hoisington)	1.3 NE; hwy S	1870	25 S2	80 oct. Poles S.
Great Bend Airpark	1.6 NNE; RR W	1850	26 S2	80 oct. Poles W.
Herington	1.5 SE; RR W	1450	17 S2	73 oct. Pole line N.
(A) Herington AAP (A)	7.5 ENE	1485	69h	INACTIVE.
Hilltop (Augusta)	2 NE; RR SE	1260	20 S1	73 oct.
Holyrood	0.5 ESE; RR N	1820	17 S1	73 oct. Poles N.
Hutchinson,com	5.5 W; riv NE	1605	20 S4	80 oct.
(P) HUTCHINSON,MUN.	4 ENE; hwy S	1542	70h R1 L5 S6	80,91 oct.
(N) " NAS (N)	8.9 S;RR NNE	1582	70h	INACTIVE.
Ken-Mar (Wichita)	3 ENE; RR N	1375	23 L S6	80 oct.No sto.Port rnwy lgts.
Kingman	1.5 NNW;RR SW	1600	26 S1	73 oct.Trees S,SW. Obsts
Kiowa Flying Serv.(Kiowa)	2.5 WNW; RR S	1375	19 S1	80 oct. Pole line NNW,SSW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii)(NC)-Not charted. → NEW OR REVISED DATA

KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lyons	1.4 W; hwy N	1950	26 S6	80 oct. Pole line N.
McPherson	4 NNE; RR W	1500	26 S6	80 oct. Soft when wet.Poles E.
(P) Marion	1.8 ESE;RR W	1370	36 S2	80 oct. Pole line SE.
Medicine Lodge	2.1 SE; RR S	1520	33 S2	80 oct.
Moundridge	2.2 WNW; RR NE	1485	17 S2	Ltd 80 oct. Poles W.
Newton	4 ENE; rd S	1527	70h S6	80,91 oct.Pole line W,N.
Pratt Mun.	2.5 ENE;hwy S	1916	25 S6	73,80 oct.
Pratt	4 N; hwy E	1960	80h	
Rawdon (Wichita)	6.7 E; hwy S	1396	26 L S6	73 oct. Port rnwy lgts.
Riverside (Wichita)	4 NNW; riv E	1310	26 S1	80 oct. Poles sur fld.
Salina	2.5 SE;riv W	1275	26 S6	80,91 oct.
Sky Village (Salina)	6.6 WSW;RR SE	1270	20 L S2	80 oct.Port rnwy lgts.Pole line
(A) Smoky Hill AAP(Salina)	4.5 SW; RR E	1289	100hR3 L5 S4	73,91,100 oct. No sto. (A) S.
South (Winfield)	14 SSW	1230	40h	
Stafford	2.6 WSW;RR N	1889	26 S6	80,91 oct. Poles N, S.
Strickland (Hazelton)	2.6 E; RR S	1310	26 S6	73,80 oct. Poles E, N.
(P) Strother (Winfield)	5 SSW;hwy S	1150	58h	
University (Wichita)	5 NE; RR N	1350	27 L S6	80,91 oct.Port rnwy lgts.Pole
Walters (Sedan)	8 N; hwy W	1000	26	PRIVATE. line E.
Wellington	3.5 N; RR W	1290	23 S2	80 oct. Pole line W,E,S.
(A) WICHITA	5.3 SE; hwy W	1373	75h R3 L6 S6	80,91,100 oct.50' pole N.
Wilson (Wichita)	7.5 NE;RR N	1410	29 S6	73 oct. No sto.
Winfield	2 E; RR S	1200	22 S2	73 oct.Lgt scft only.Pwr lineN.
Wright Arpk (Abilene)	1 SSE; riv S	1150	13 S1	80 oct. Trees S, E.
Janssen Skytel (McPherson)	1.5 SW;hwy N	1500	22 S6	80 oct Hi-line W; poles E

OKLAHOMA

Alva	1.4 S; RR N	1320	26 S1	73 oct.
Bartlesville	4 E; rd S	720	34 S6	80 oct.
Blackwell	1.7 W; RR N	1000	32 L4 S6	80 oct.
Brown (Tulsa)	6 SE	735	31 L S6	80,91 oct.Port rnwy lgts.Pole NW
Central (Edmond)	2.6 NNE;RR W	1211	24 S1	73 oct.
Commercial (Tulsa)	5.4 SSE;hwy N	700	29 S6	73,80,91 oct. Trees SW.
(P) Cushing	2 S; RR E	913	52h L5 S6	73,80 oct.
(A) Enid AAP (A)	4 SSW; RR E	1287	56h R2 L5 S4	73,100 oct.
(A) Great Salt Plains (Jet)	6 NNE;dam 1 N	1200	55h L5	(A)
★ Guthrie Int,21,FV-WD	2 SSE;hwy W	1052	26 L3 S6	80 oct.
Jimmie Ray (Cherokee)	1.5 E; RR SW	1200	26 S1	80 oct. Trees S.
Kell-Air (Thomas)	1.2 SW; RR N	1730	24 S2	80 oct.
Kingfisher	1.3 NW; RR W	1060	24 S6	73 oct.
Kittenbrink (Jefferson)	2 E; RR W	1100	23 S2	80 oct. Trees N.
Newkirk Skypark	2.5 SE; RR SW	1140	32	Pole N, NW.
North (Enid)	3.8 N; RR E	1265	26 S6	80 oct.
Pawhuska	3.8 W; RR E	1000	27 L S1	80 oct.Port rnwy lgts. Pole
(A) Perry (A)	6.6 N; hwy W	1008	52h	C-L-O-S-E-D. line NE.
Phillips (Bartlesville)	1.7 WNW;hwy S	750	35h R1 L4 S2	80,91 oct.
(P) PONCA CITY	2.3 NNW;RR S,E	998	36h R1 L4 S6	73,87 oct. Antenna bet twr and
Sapulpa	1.5 ENE;RR W	730	26	Pole line S. hanger, lgtd.
(P) Stillwater #1	3.2 NNW;hwy E	985	50h L3	
" #2	5.6 SSE;hwy W	980	29 S6	73,80 oct.
★ Stroud Int,29A,AQ-LS	3 N; hwy W	883	27 L3	Pole line W lgtd.
Tonkawa	1.6 S;riv NW	1000	25 S1	73 oct. Pole line S, E.
(A,N)TULSA AIRPORT	6.2 NE;RR S	674	71h R2 L5 S6	73-100 oct. NATS,NAFC.
Tulsa North (Tulsa)	4.5 NNW;RR E	700	25 S2	80,87 oct.Poles S,SW,SE.
University (Langston)	1 S; rd N	1025	26	Bldg SE corner.
Watonga	1.2 NW;riv SW	1460	16 S6	80 oct. Poles S.
White Brothers (Lamont)	2 WSW; RR E	1000	25 S1	73 oct.
(P) Woodring (Enid)	5 ESE; RR NW	1159	65h L S2	80 oct. Port rnwy lgts prior req.
Mauks (Blackwell,Okla)	2.7 S; hwy W	987	26 S4	80 oct. Pole line E.

62 WICHITA

R : EXTREMELY HAZARDOUS

O : USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

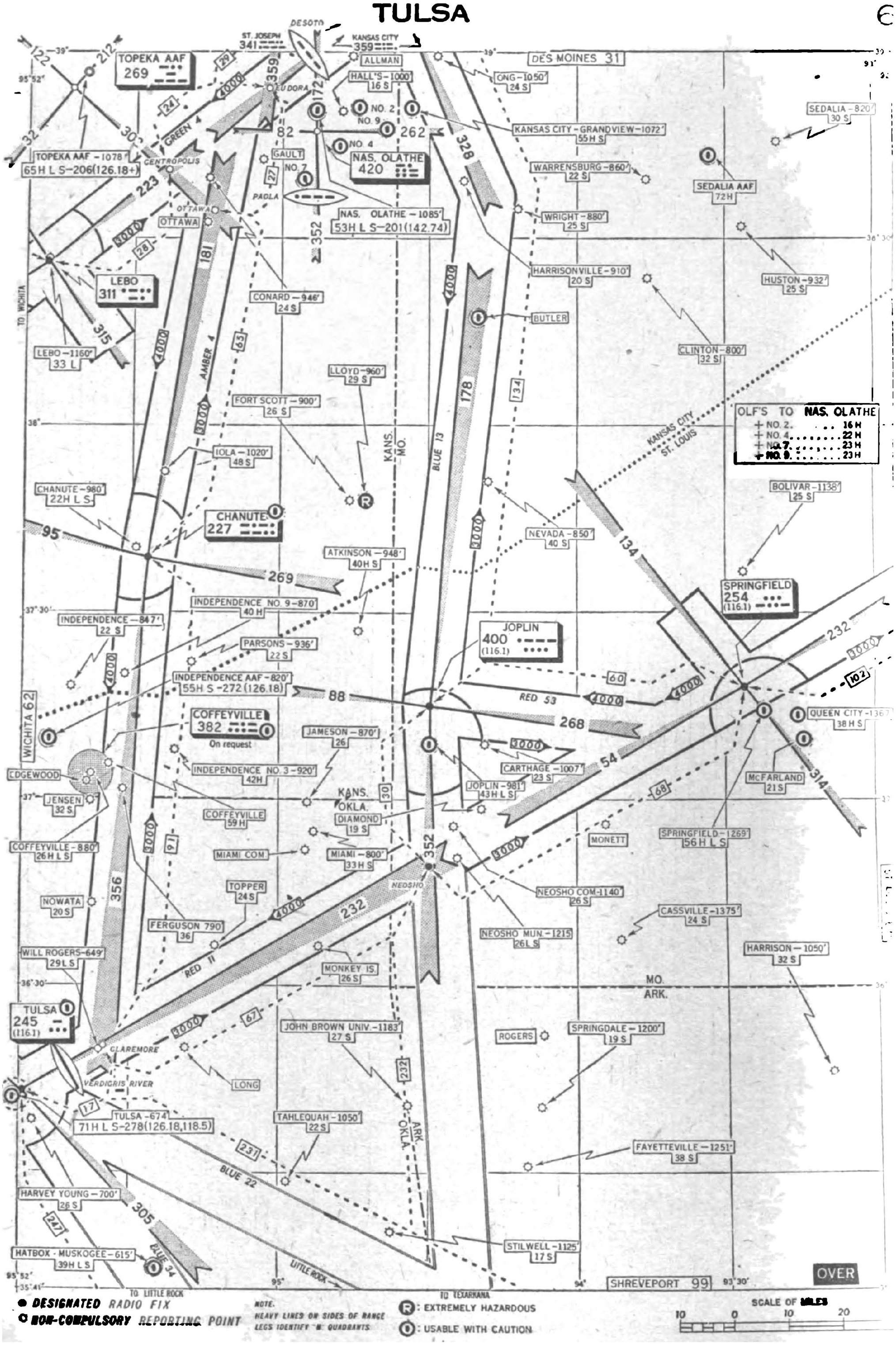
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS

STATUTE MILES

DENVER
KANSAS CITY

AKRON
309
7000
80
71
BLUE
YELLOW
SKY VILLAGE
SMOKY HILL AAF
344
D A
SMOKY HILL AAF
396 (126.18, 116.1)
HOLYROOD
GIFFIN ORTON
38 30'
ELLINWOOD
GREAT BEND ARPT
LYONS
JANSSEN
McPHERSON
341
350
SALINA
ABILENE
WRIGHT
RED 1
OMAHA 30
TO KANSAS CITY
251
260
165
D A
SALINA (VHF) (W)
108.3
HERINGTON AAF
HERINGTON
135
D A
98 48'
98 30'
95 52'
39'
10
20
30
SMOKY HILL AAF
HUTCHINSON
284
(116.1)
188
161
MOUNDRIDGE
MARION
CLOTHIER
EMPORIA
4000
LEBO
311
47
63
HUTCHINSON COM.
HUTCHINSON MUN
162
RED 35
6000
258
80
260
5000
NAS, HUTCHINSON
28
NEWTON
NEWTON
CASSODAY
226
On request
CASSODAY
239
32
25
TOWANDA
19
95
EUREKA
CHANUTE
227
TULSA 63
38
GARDEN CITY
257
STAFFORD
KECHI
11
WILSON
CULVER
RIVERSIDE
UNIVERSITY
KEN-MAR
CANNON BALL
ARTHER
BEECH
RAWDON
CESSNA ACRFT.
HILLTOP
FRASIER
EL DORADO
DERBY
WICHITA
278 (118.7, 126.18)
WICHITA
332
(116.1)
37 30'
PRATT
PRATT MUN
PALMER
AMARILLO 59
VIOLA
25
4000
8
46
GREEN 4
WELLINGTON
MEDICINE LODGE
STRICKLAND
ANTHONY
ANTHONY
64
42
KIOWA
CALDWELL
37'
GAGE
266
224
ANTHONY
382
(116.1)
On request
BLACKWELL
4000
101
GREAT SALT PLAINS BOMBING RANGE AAF
ALVA
JIMMIE RAY
KITTENBRINK
WHITE BROS.
BLUE 5
124
214
NORTH
WOODRING
ENID AAF
209
R
ENID AAF
396 (126.18)
34
304
180
PERRY
347
OXFORD
27
WINFIELD
STROTHER
BAIRD
SOUTH
ARKANSAS CITY
PORTLAND
KANS.
OKLA.
KANSAS CITY
ST. LOUIS
WALTERS
BARTLESVILLE
PHILLIPS
278
NEWKIRK
MALKS
TONKAWA
PONCA CITY
On request
PONCA CITY
368
(116.1)
118
BLUE 22
TULSA
245
95
PAWHUSKA
TULSA
278 (118.5, 126.18)
SKIATOOK
18
36 30'
TULSA NORTH
RED FORK
14
94
4000
BROWN
COMMERCIAL
SAPULPA
AMBER 4
45
CUSHING
STILLWATER NO. 1
STILLWATER NO. 2
UNIVERSITY
OKLAHOMA CITY
350
4000
GUTHRIE
KINGFISHER
WATONGA
KANSAS CITY
FORT WORTH
KELL-AIR
ABILENE 94
FORT WORTH 95
CENTRAL
97
STROUD
3000
96 30'
96'
95 52'
35 41'
TO NEWALLA

TULSA


DESOTO
ST. JOSEPH 341
KANSAS CITY 359
ALLMAN
DES MOINES 31
TOPEKA AAF 269
HALL'S-1000' 16 S
ONG-1050' 24 S
EUDORA
NO. 2
NO. 9
262
SEDALIA-820' 30 S
KANSAS CITY-GRANDVIEW-1072' 55 H S
TOPEKA AAF-1078' 65 H L S-206(126.18+)
CENTROPOLIS
GAULT
NO. 7
NO. 4
NAS. OLATHE 420
WARRENSBURG-860' 22 S
SEDALIA AAF 72 H
PAOLA
OTTAWA
NAS. OLATHE-1085' 53 H L S-201(142.74)
WRIGHT-880' 25 S
LEBO 311
CONARD-946' 24 S
HARRISONVILLE-910' 20 S
HUSTON-932' 25 S
BUTLER
LEBO-1160' 33 L
CLINTON-800' 32 S
LLOYD-960' 29 S
FORT SCOTT-900' 26 S
OLF'S TO NAS. OLATHE
+ NO. 2. . . . 16 H
+ NO. 4. . . . . 22 H
+ NO. 7. . . . . 23 H
+ NO. 9. . . . . 23 H
IOLA-1020' 48 S
KANS. MO.
KANSAS CITY ST. LOUIS
CHANUTE-980' 22 H L S
BOLIVAR-1138' 25 S
CHANUTE 227
NEVADA-850' 40 S
ATKINSON-948' 40 H S
SPRINGFIELD 254 (116.1)
INDEPENDENCE NO. 9-870' 40 H
INDEPENDENCE-847' 22 S
PARSONS-936' 22 S
JOPLIN 400 (116.1)
INDEPENDENCE AAF-820' 55 H S-272(126.18)
COFFEYVILLE 382 On request
JAMESON-870' 26
QUEEN CITY-1367' 38 H S
CARTHAGE-1007' 23 S
INDEPENDENCE NO. 3-920' 42 H
JOPLIN-981' 43 H L S
MCFARLAND 21 S
EDGEWOOD
JENSEN 32 S
KANS. OKLA.
COFFEYVILLE 59 H
DIAMOND 19 S
MONETT
SPRINGFIELD-1269' 56 H L S
COFFEYVILLE-880' 26 H L S
MIAMI COM
MIAMI-800' 33 H S
TOPPER 24 S
NEOSHO
NEOSHO COM-1140' 26 S
NOWATA 20 S
CASSVILLE-1375' 24 S
FERGUSON 790 36
NEOSHO MUN-1215' 26 L S
WILL ROGERS-649' 29 L S
HARRISON-1050' 32 S
MONKEY IS. 26 S
MO. ARK.
TULSA 245 (116.1)
ROGERS
SPRINGDALE-1200' 19 S
JOHN BROWN UNIV.-1183' 27 S
CLAREMORE
VERDIGRIS RIVER
LONG
TULSA-674' 71 H L S-278(126.18,118.5)
TAHLEQUAH-1050' 22 S
ARK. OKLA.
FAYETTEVILLE-1251' 38 S
HARVEY YOUNG-700' 26 S
BLUE 22
BLUE 34
LITTLE ROCK
HATBOX-MUSKOGEE-615' 39 H L S
STILWELL-1125' 17 S
TO LITTLE ROCK
TO TEXARKANA
SHREVEPORT 99
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE. HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "H" QUADRANTS
Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20

RADIO

KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE	227 (CZ)	SBRAZ-DT,304°,2.5	(4)
COFFEYVILLE	382 (KV	MHT	(4)
DE SOTO FM	(- - -)	FM; 224°, 19.6	Kansas City, Mo.
INDEPENDENCE AAP	272 (126.18)	CA	(3); 126.18 (8-20)
LEBO (Int)	311 (LN)	BMLZ-DT, 336°, 0	(4)
OLATHE (Navy)	420 (NUU)	BMRLZ	
Olathe NAS	201 (142.74)	CN;352°, 2.9	(3); 142.74 (8-18)(GCA)
PAOLA FM (Navy)	(. - - -)	PM; 172°, 12	Olathe
TOPEKA (Army)	269 (DTO)	BMRAZ	(4)
Topeka AAP	206 (116.1) (126.18)	CA;320°,3.4	(3); 116.1,126.18

MISSOURI

JOPLIN	400(JH)(116.1)	BMRLZ-VDT,172°,6.2	(4); 116.1
→ SPRINGFIELD	254(SX)(116.1)	SBRAZ-VDT,134°,4.3	(4), 116.1

OKLAHOMA

TULSA			
Tulsa Airport	245(TS)(116.1) 278 (126.18) (118.5)	SBRAZ-VDT AC; 225°, 1	(3); 116.1 (4);131.9,118.5,126.1°
VERDIGRIS RIVER FM	(-)	FM;54°,9.6	Tulsa

S Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs.
(4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A C S transmits on and guards 116.1, 117.88, 140.58 mcs

AIRPORTS

ARKANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Berryville (NC)	1.3 WNW;RR E	1150	13	Trees S.Cattle on fld.
(P) Fayetteville	3.8 S;RR W	1251	38 S6	73 oct.
Harrison	4.1 NW;RR S	1050	32 S1	80 oct.
Rogers	2.7 N;RR S	1325	32 S1	80 oct.Pole line SE.
Springdale	0.8 SSE;hwy W	1200	19 S4	80 oct.Pole line NW,SE.

KANSAS

(P) Atkinson (Pittsburg)	2.5 NW;RR W	948	40h L S6		80 oct. Port rnwy Lgts.
Chanute	2 WSW;hwy NW	980	22h R1 L4 S6		80,91 oct.
Coffeyville	5 NNE	743	59h		Use rnwys only.
" mun.	2 NW;riv E	880	26h R1 L3 S6		80 oct. Poles NW;hi-line SW.
Conard (Ottawa)	3.8 NNE;RR S	946	24 S1		80 oct.Pole line N;hedge S.
Edgewood (Coffeyville)	2.5 WNW;RR E	745	25 S1		80 oct.Pole line E,S.
Ferguson Flying Field (Coffeyville)	5 E;RR NW	790	36		Poles S.
Fort Scott	4.5 SW;hwy S	900	28 S2		80 oct.
Gardner (NC)	1.4 WSW;hwy S	1070	39		
Gault (Wellsville)	0.8 ESE;RR N	1020	20 S1		80 oct.Trees E.
Girard	1.7 WNW;RR E	950	14		Trees E.
Hall's (Olathe)	2.6 SSE;RR W	1000	16 S2		73 oct.Cattle on fld.Pole line N
Independence	5 N;hwy W	847	22 S4		73,91 oct.Pole line W.
(A) " AAP (A)	5.5 SW;hwy W	820	55h R1 S1		91,100 oct.
" #3	24 ESE	920	42h		
" #9	12.5 NE	870	40h		
(P) Iola	3.2 SSE;rd N	1020	48 S6		73,80 oct.
★ Lebo Int,39,AQ-KC	4 ENE;RR N	1160	33 R1 L3		
Lloyd (Pt. Scott)	3.8 SSW;RR SE	960	29 S2		80 oct.Pole line NE.
Mader (Garnett)(NC)	2 WNW;hwy S	1060	26		
(N) Olathe NAS (N)	5.2 SW;RR W	1085	53h R2 L5 S6		100 oct.
(N) " OLP #2 (N)	5 SE	1090	16h		INACTIVE.4 W of Stanley.
(N) " OLP #4 (N)	10 S	1090	22h		1.3 SE of Springhill.INACTIVE.
(N) " OLP #7 (N)	16 SSW	940	23h		4.3 W of Hillsdale.INACTIVE.
(N) " OLP #9 (N)	11 SE	1070	23h		1 N of Stillwell.INACTIVE.
Ottawa	5.3 S;RR W	975	32		

KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Parsons	2 NW;RR S	936	22 S2	80 oct.Soft in wet weather.
(A) Topeka AAP (A)	6 S;RR W	1078	65h R2 L5 S6	73,91,100 Oct.JP-1. No sto.
Allman (Lenexa)	2.5NNW;hwy N	900	22 S1	81 oct. Hedge E.
Fredonia Mun.	3 NNE;RR E	880	26 S1	80 oct.
State Line Arpk(Stanley)	3.8 NE;RR E	1000	22 S1	80 oct. Poles E;trees N,W.

MISSOURI

Bolivar	1.8 WSW;hwy N	1138	25 S2	80 oct.Poles N.
Branson (NC)	4 W;hwy W	1069	21	Trees SW.
Carthage	2 S;hwy E	1007	23 L S4	80 oct.Port rnwy lgts.Poleline W,SW.
Cassville	3.9 S;hwy E	1375	24 S2	80 oct.Trees SW.
Clinton	2 NE;RR SE	800	37 S4	80 oct.Poles SW,S,E,N.
Diamond	2.1 SSW;RR S	1150	19 S2	80 oct Pole line N,NE,SE.
(P) Grandview (Kansas City)	16.4 S;RR E	1072	55h L5 S2	80,91 oct.Fld lghts prior req.
Harrisonville	2.1 W;RR N,S	910	20 S1	73 t. Fld rough.
Huston (Windsor)	4.3 E;hwy N	932	25 S1	80 .
(P) JOPLIN	5 NNE;RR N	981	43h R1 L4 S4	80,91 oct.
McFarland (Springfield)	4 SSE;RR S	1310	21 S4	73,8 oct.
Neosho com.	4.8 NNW;hwy W	1140	26 S1	80 oct.Poles SW.
" mun.	2.8 SW;hwy E	1215	26 L3 S2	80 oct.Poles N,antenna E.
(P) Nevada	3 NE;hwy N	850	40 S4	73 oct.Pole line SW,W.
Ong (Kansas City)	9 SE;hwy NE	1050	24 S6	73 oct.Pole line N,W.
Queen City (Springfield)	2.1 E;hwy W	1367	25h L3 S4	73,91 oct lgts prior req.
Sedalia	6.3 NW;RR S	820	30 S6	80 oct.Poles S.
(A) " AAP (A) (Knobnoster)	2.8 S;hwy N	834	72h	INACTIVE.
Warrensburg	2.3 SSW;hwy E	860	32 S6	80 oct.
Wright (Garden City)	1.4 NNW;hwy SW	880	25 S1	80 oct.Pole line S.
Butler	1.5 N		25 S2	80 oct Data unverified.
Monett	0.5 NE; hwy S	1402	24 S2	80 oct.
(P) SPRINGFIELD	5.5 WNW; RR NE	1269	55h R1 L5 S5	80,91,100 oct. JP-1

OKLAHOMA

Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S6	80 oct.
Hatbox (Muskogee)	2.7W;fork RRs	615	39h L3 S6	73,80 oct.All lgts prior req.
Jameson (Picher)	4.5 W	870	26	
Jensen (South Coffeyville)	0.5 W,RR S,E	735	32 S4	80 oct.Pole line SE.
John Brown Univ. (Mosley)	3.6 ESE;hwy S	1183	27 S4	80 oct.
Long (Pryor)	2 NNE;RR W	650	16 S2	80 oct.Pole line SW.
(P) Miami	2.2 NNW;RR E	800	33h L4 S2	80,91 oct.
Monkey Island (Afton)	7.8 SE;RR NW	750	26 S1	80 oct. Pole line W.
Nowata	1.6 NNE;RR W	600	20 S1	80 oct.
Stillwell	1.4 N;RR W	1125	17 S2	80 oct.
Tahlequah	4.3 N;rd E	1050	22 S4	80 oct.
Topper (Vinita)	3.9 SW;RR ESE	800	24 S1	73 oct.
(A,N) TULSA AIRPORT	6.2 NE; RR S	674	71h R2 L5 S6	73-100 oct. NATS,NAFC.
Will Rogers,36, AQ-LS (Claremore)	1.5 NE; RR W	649	29 L3 S6	73 oct.

h-hard surfaced runways, R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA.

ST. LOUIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
WALNUT RIDGE	362 (DWR)	MRLWZ,174°,5	
MISSOURI			
COLUMBIA	379 (CA)	SBRAZ-DT,89°,3.9	(4)
NEW FLORENCE (Int.)	385 (ST)	MHT	(4)
ST. LOUIS(Lambert)	209 (LS)	SBRAZ-DTX;256°.2.2	(4)
ST. PETERS FM	(- - - -)	FM, 273°, 14.2	St. Louis
SPANISH LAKE FM	(- -)	FM, 69°, 7.8	St. Louis
VICHY	344(OM)(116.1)	BMRLZ-VDT,310°, 2.7	(4), 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

AIRPORT - CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Batesville(Desha)	1 SE, hwy E	400	20 S1	73 oct.Pole line NE.
Biggers (NC)	2 ESE,RR NW	290	45	
Fleeman(Manila)	0.8 S,RR N	240	32 S2	80 oct.Po. line N,NE.
John's Air Park (Flippin)	0.3 NNW,RR S	620	11 S1	80 oct.Trees N.
(P) Jonesboro	3.5 ESE;RR N,SW	264	44h S6	80,91 oct.Use rnwys
Manila (Blytheville)	13.5 W,lake E	240	75	
Milltown(Newport)	13 NE	244	45h	
Walcott #3 (Walnut Ridge)	14 ESE	285	45h	1.5 W of Walcott
Walnut Ridge	4 NE,RR SE	275	50h	

ILLINOIS

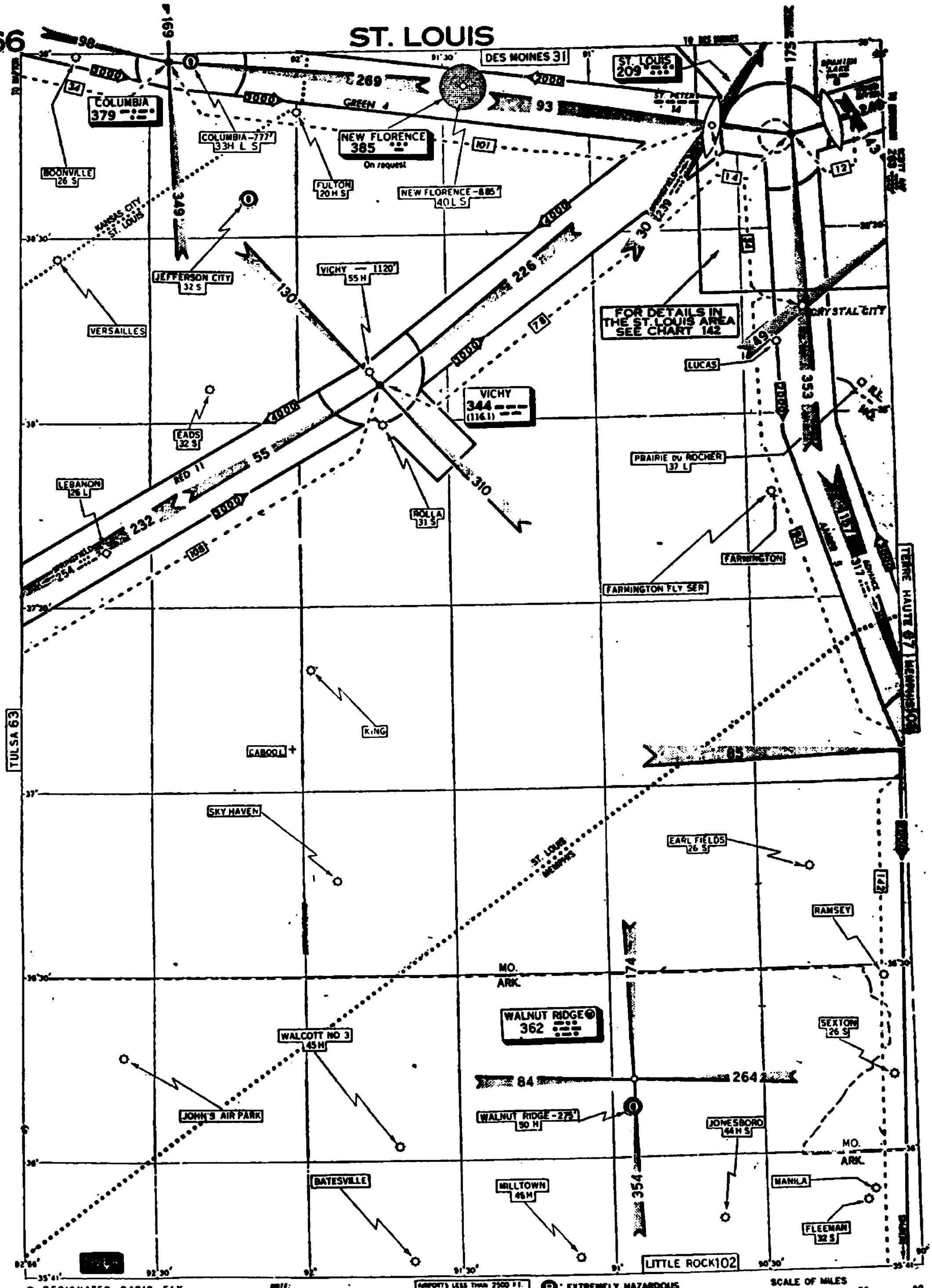
* Prairie du Rocher Int,55, NO-LS	0.5 S,RR NE	390	37 L3	Trees S, N.

MISSOURI

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Boonville	1.5 NNW,riv S	602	16 S4	80 oct.Obsts sur fld.
Columbia	2.4 NW,hwy S	777	33h R1 L3 S5	80, 91 oct.
Eads (Iberia)	1.1 W, hwy NE	960	32 S2	80, 91 oct.
Farmington	1 ESE,hwy N,E		35 S6	80 oct.Data not verif.
Farmington Flying Service	0.8 NNE,hwy S	920	17 S4	73 oct.Poles NW.
Fields (Poplar Bluff)	3.8 ENE,hwy S	325	26 S2	73 oct.Pwr line S.
Fulton	3 WSW,hwy SE	875	20h S2	80 oct.
Jefferson City	2 N, hwy S	550	32 S6	80 oct. No sto.
Kennett (NC)	1.3 E.RR W	260	26	30' poles N.
King (Houston)	0.8 WNW,hwy ESE	1180	15 S1	80 oct. Poles S
* Lebanon Int,54B, AQ-LS	2.5 SSE,hwy E	1380	26 L3	
Lucas (Festus)	1.7 S,RR W	425	16 S2	73 oct.
Mel Adkins (Gravois Mills)(NC)	4.2 SSE.hwy W	950	19.	
* New Florence Int, 17, KC-LS	1 SSE,hwy N	885	40 R1 L3 S1	80 oct.
Ramsey (Campbell)	1.6 SW,RR NW	295	14 S2	Ltd 73 oct.Trees NNE
Rolla	3.5 NE,rd S	1201	31 L S6	80,91-oct.Port rnwy
Sexton (Kennett)	2.8 SW,hwy E	263	26 S2	80 oct. lgts.
Sky Haven (West Plains)	2.4 NW:RR E	1049	22	
Versailles	1.7 ENE,RR N	1050	20 S2	80 oct.Pwrline N,NE, NW.
Vichy	1.5 NNW,hwy SW	1120	55h R1	
Cabool (Mo.)	0.8 SW		18 S1	80 oct. Data unver.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-not charted. ➡ NEW OR REVISED DATA

ST. LOUIS


DES MOINES 31
ST. LOUIS 209
COLUMBIA 379
COLUMBIA -777' 33H L S
NEW FLORENCE 385
On request
NEW FLORENCE -885' 40 L S
FULTON 20 H S
BOONVILLE 26 S
JEFFERSON CITY 32 S
VICHY — 1120' 55 H
VICHY 344 (1161)
VERSAILLES
EADS 32 S
LEBANON 26 L
SPRINGFIELD 254
ROLLA 31 S
KING
CABOOL
SKY HAVEN
WALCOTT NO 3 45 H
JOHN'S AIR PARK
BATESVILLE
WALNUT RIDGE 362
WALNUT RIDGE - 275' 50 H
MILLTOWN 45 H
LUCAS
PRAIRIE DU ROCHER 37 L
FARMINGTON
FARMINGTON FLY SER
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142
CRYSTAL CITY
EARL FIELDS 26 S
RAMSEY
SEXTON 26 S
JONESBORO 44 H S
MANILA
FLEEMAN 32 S
LITTLE ROCK 102
ST. LOUIS MEMPHIS
MO. ARK.
TULSA 63
TERRE HAUTE 87
169
349
98
269
93
GREEN 4
101
30
239
226
130
55
232
108
310
84
264
354
353
174
171
127
44
12
14
79
49
ST. PETERS 14
10 DES MOINES
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY 'E' QUADRANTS.
AIRPORTS LESS THAN 2500 FT. OR LENGTH HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS OR AIRPORT SYM
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION

TERRE HAUTE 67

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

PEORIA
PEKIN
BLOOMINGTON
TO JOLIET
CHICAGO 34
RUSSELL'S
CHANUTE AAF 365
CHANUTE AAF 396 (126.18)
CHICAGO CINCINNATI
ATTICA
LAFAYETTE
STATUTE MILES
CORK
MEDBERY
CLINTON
ILLINI
CHAMPAIGN
DANVILLE
VERMILION
HIGHLAND
UNIV. OF ILLINOIS
CHICAGO ST. LOUIS
DECATUR
DECATUR (NEW)
DECATUR PARK DISTRICT
SPRINGFIELD 239
KINGMAN
JORDAN
ILL IND
FLECK'S LAKEVIEW
MC COY
COOPER
MIDWAY AVIATION
MOODY
ALLEN
PARIS
TERRE HAUTE 248 (116)
SPRINGFIELD
TAYLORVILLE
HULMAN
TO INDIANAPOLIS
MATTOON
CHARLESTON
PAUL S COX
SHELBY CO.
EFFINGHAM 275 (116)
CASEY
FOR DETAILS IN THE ST LOUIS AREA SEE CHART 142
EFFINGHAM
HILLSBORO
TO JERSEYVILLE
TO DES MOINES
ST LOUIS 66
ST LOUIS 209
WOOD RIVER
EFFINGHAM CO.
SMITH AVIATION
VANDALIA MUN.
HIGHLAND-WINET
JAMESTOWN
ST LOUIS CINCINNATI
EMISON
GEORGE
O'NEAL
WASHINGTON MUN.
WASHINGTON
SCHILT
FLORA
LECKRONE
PRESBYTERIAN NO 3
ILL IND
CYRIL LEBERT
SCOTT AAF 263
B AND K FLY. SER.
BECKERMAN
STRAUB
EVANSVILLE 233 (116.1)
MT. VERNON
NASHVILLE
WHITE CO.
RED 11
TO LOUISVILLE
LINTON
WASHINGTON
IND KY
FERGUSON
OWENSBORO
CHESTER
MURPHYSBORO
CARBONDALE
MACARIN
MARION
DENIS
EVANSVILLE 278 (118.5)
HENDERSON
MADISONVILLE
STURGIS
ST. LOUIS MEMPHIS
MEMPHIS 103
ADVANCE
GREEN BRIER
OVER

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE (Rantoul)(Army)	365 (DNU)	SBMRAZ	(3), 126.18
Chanute Field	396 (126.18)+	CA, 43°, 3.3	(3), 126.18
EFFINGHAM	275 (EF)(116.1)	BMRLZ-VDT,341°,0-Intermediate	(4), 116.1
SCOTT (Belleville)(Army)	263 (DCD)	SBMRAPZ-DT,49°,1.8	(4)
SPRINGFIELD	239 (ZD)	SBMRAZ-DT,113°,2.3	(4)

INDIANA

EVANSVILLE	233 (EV)(116.1)	SBRAZ-VDT	(3);116.1
Evansville Airport (old)	278 (118.5)	C, 177°, 5.5	(4):126.18,118.5,131.9
TERRE HAUTE	248 (TH)(116.1)	BMRLZ-VDT;182°, 0 Paul Cox	(4): 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen (Arcola)	2 W,RR N,E	665	20 S6	80 oct.Pole line N, E.
B & K (Fairfield)	1.4 WSW,RR S	500	21 S2	80 oct. Pole line S.
Beckerman (Mt.Carmel)	4 W,RR S	424	23 S1	80 oct. Pole line N.
(P) Bloomington	3 E,RR N	875	33 L1 S6	80,91 oct. Pole line N, NW.
Carbondale	0.1 E,lake 2 E	450	20 S4	80 oct. No sto.
Champaign	2 NNW,RR SW	753	28 L S4	73 oct.Range lgts.Appchs blocked.
(A) Chanute (Rantoul)(A)	1 SE,RR W	744	63h R2 L5	73,91,100 oct. JP-1.Pole N.
Charleston	1.3 SW,hwy E	690	26 S6	80 oct.Use marked areas.
Clinton Flying Club	5.5 NE	720	13	
Cooper (Tuscola)	1.6 SW,RR E	650	24 S2	80 oct.Poles NW, SE, NE, E
Cyril Lebert(Lebanon)	0.5 SE,hwy N	440	22 S2	80 oct.Poles N, W, S.
Danville	2.4 SSW,hwy W	640	24 S4	80 oct. Appchs blocked by poles.
Decatur	4 NW	678	29 S6	80 oct.
Decatur Park District	4 E,RR,hwy S	679	53h S6	80,91 oct,Pole line N,SW,NW Rnwy data unver.
Denis (Muddy)	Adj E	400	27 S1	80 oct.Data unverified.
(P) Du Quoin	1.8 W,hwy S	454	26 S2	73 oct. 25' poles S.
Effingham Co. Memorial	3.6 S,hwy W	585	30 S4	80 oct.
* Effingham Int,I0,L3-I)	2.5 N,RR E	607	26 R1 L3 S1	73 oct. on req.
Fleck's Lakeview (Rochester)	2.8 W,lake W	580	21 S6	80 oct. No sto. Poles W.
Flora	1.1 WSW,RR N	490	27 S1	80 oct. Trees, poles N.
George (Lawrenceville)	4.5 NE,RR S	428	52h	
Highland-Winet(Highland)	3.6 NE,RR S	535	24	Pole line S.
Illini (Urbana)	2 NNE,hwy SE	740	26 S6	80 oct. Trees E.
Leckrone (Salem)	1.9 NW,hwy S	545	39 S6	80,91 oct. Use strips only.
McCoy (Blue Mound)	5 W	660	16 S2	No fuel.
Macarin (Marion)	4.6 WNW,hwy W	470	35 S6	80, 91 oct.
Marion	1.8 ESE,RR S	430	26 S6	73 oct.
Mattoon	4 E,RR N	720	26 S4	80 oct. Poles W.
Medbery (Armington)	1 NE	650	26	Data not verified.
Moody (Dalton City)	2.2 S,hwy W	680	19 S6	80 oct. Pole line N;bldg NE
Murphysboro	3 N,riv SE		20 S1	80 oct. Data not verified.
Paris	3.5NNW;RR,hwy	740	30 S1	80,91 oct.Poles SW,S.W.
Pekin	4 S,bet RRs	505	24 S2	80 oct. Pole line W,N, E.
(P) PEORIA	4.8 WSW,rd E	659	44h R1 L1 S6	80,91 oct. Trees W,bldgs NE.
Presbyterian Church No. 3 (St Francisville)	4 WNW,hwy E	430	45h	
Russell's (Hoopeston)	6.5 WNW,RR S		13	PRIVATE. Data not verified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) (NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Shelby County (Shelbyville)	1.9 ESE,RR N	677	21 S1	80 oct.
Smith Aviation (St.Elmo)	1.3 SW,RR NW	647	20 L1 S2	80 oct. Poles N, NE.Rnwy data unver.
(P) Springfield	3.5 SW,bet RRs	606	31 R1 S6	80,91 oct.Use strips only.
(P) University of Illinois (Champaign)	5.5 SSW,RR E	752	53h S4	80, 91 oct.
Vandalia	4.4 NW	532	39h L2 S2	80 oct.
Vermilion (Danville)	4 E,hwy S	650	21 S2	80 oct. 30 poles S.
White County (Carmi)	1.1 NE, RR S	450	17 S1	80 oct.
Mount Vernon	2.5 ENE,RR S	465	37 L S6	80,91oct.Data unver.Temp port lgts.
Taylorville	1 SW		26 S6	80 oct. Data not verified.
Hillsboro	1 NE	630	25 S4	Inf.not verified
Schilt (Olney)	1.5 E;RR S		30 S1	80 oct.Data not verified.
Nashville	1 E;lake W		20 S1	80 oct. Info unverified.
Casey	1 NW		26 S2	80 oct. Info unverified.

INDIANA

Attica	2 S;hwy W	647	26 S1	80 oct. Data not verified.
Cork (West Lebanon)	4 W		24 S1	80 oct. Obsts NE. Data unverif.
Emison (Oaktown)	3.6 WSW	425	45h	
EVANSVILLE (old)	5 NE;bet RRs	385	60h R2 L5 S4	80, 91 oct. Twr W.
Ferguson (Richland)	0.5 SE		13	Data not verified.
Highland (Perrysville)	2.8 WNW,riv E	585	23 S2	Ltd 73 oct.
(P)HULMAN (Terre Haute)	5 ESE; RR N	585	53h L5	Fld lgts prior req.
Jordan (Bloomingdale)	3.5 N		33 S1	80 oct.Use NE/SW strip.Data unver.
Kingman Flying Service (Kingman)	0.5 E,hwy N	710	26 S4	80 oct. No sto.Data unver.
Linton	3.3 E, RR S	500	20 S1	Ltd 80 oct. Pole line N.
Mount Vernon	1 E;bet hwy,riv	390	26 S1	80,91 oct.Data unverified.
O'Neal (Vincennes)	1.5 WNW,RR NE	415	28 S6	73,80 oct.NNW appch blocked.
Paul S. Cox (Terre Haute)	3.2 S,riv W	485	27 R1 S4	80, 91 oct. Stacks NE.
Straub (Cynthiana)	0.5 NW		13	Info. unverified.
Washington Mun.	4 N		30 S4	80 oct. Info. unverif.
Washington	3 W		21	Info. unver.

KENTUCKY

Madisonville	6 ENE; hwy SE	420	24 S4	80 oct. Use strips only.
Owensboro	2.5 ENE;RR NW	484	26 S6	73, 91 oct. No sto.
Sturgis	1.5 ESE,hwy SW	371	50h	

MISSOURI

Chester (McBride)	3.8 NW,riv N	372	20h	Allway: 5388 x 4695'.

Midway Aviation(Horace,Ill.)	1 E,RR W	650	26 S2	80 oct.Poles,bldgs,trees E,N.
Henderson,Ky.	6 SW,riv N		23 S1	80 oct,Data unver.

RADIO — INDIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ADVANCE FM	(- - - -)	FM, 330°, 24	Indianapolis
CEDAR GROVE FM	(- - - -)	FM, 297°, 35	Cincinnati, Ohio
CLAYTON FM	(- - -)	FM, 250°, 11.2	Indianapolis
FREEMAN (Seymour) (Army)			DECOMMISSIONED
Freeman Field			DECOMMISSIONED
Freeman Field (H fac.)			DECOMMISSIONED
GREENCASTLE FM	(. . - - -)	FM, 250°, 27	Indianapolis
GREENFIELD FM	(-)	FM, 82°, 31	Indianapolis
INDIANAPOLIS	266 (ID)(116.1)	SBRAZ-VDT	(3) 116.1
Indianapolis Airport	278 (126.18,	AC (ILS); 82°,3.2	(4); 131.9, 126.18,
LAFAYETTE (Purdue University)	227(LF)(116.1)	BMRL-VDT ,50°,2.4	(4),116.1 118.7
MILROY (Int.)	347 (MV)	MHT	(4)
MORGANTOWN FM	(- -)	FM, 177°, 22	Indianapolis
KENTUCKY			
BOWMAN FIELD (Louisville)	278 (126.18) (118.3)	AC	(4); 116.1, 131.9, 126.18, 118.3
EASTWOOD FM	(- -)	FM, 89°, 9.4	Louisville
GODMAN (Fort Knox)(Army)	227 (DKX)	BMRLZ	
Godman Field	272 (126.18)	CA; 172°, 3.1	(3); 126.18 (6-24)
LOUISVILLE (Bowman)	359 (LV)	SBMRLZ-DTX ,269°	(3)
SHEPHERDSVILLE FM	(- - -)	FM, 180° , 18 1.4	Louisville
SULPHUR FM	(. . - - -)	FM, 227°, 70	Cincinnati, Ohio
UNION FM	(- - -)	FM, 227°, 24	Cincinnati, Ohio
WARSAW (Int.)	212 (WR)	MHT	(4)
OHIO			
CINCINNATI (Lunken)	335 (CC)	SBRAZ-DT,227°,5.2	(3)
DAYTON	245(DY)(116.1)	SBMLZ-VDT	(3); 116.1
Dayton Airport	278 (126.18, 118.9)	AC(ILS);90°,3.3	(4); 131.9,126.18, 118.9
FAIRFIELD FM(Army)	(- - -)	FM, 196°,9.3	Patterson
LOVELAND FM	(-)	FM, 44°, 8.8	Cincinnati
LUNKEN (Cincinnati)	227 (126.18, 118.7)	AC	(4);116.1,131.9, 126.18,118.7
PATTERSON (Fairfield) (Army)	379 (DPK) (116.1)	SBMRAZ-VDT	(4); 116.1
Patterson Field	396 (126.18)+	CA(ILS);329°,2.96	(4); 126.18 (GCA)
VERONA FM	(- - -)	FM,270°,9.9	Dayton
WRIGHT (Dayton)	260 (126.1)	CA	3105,4495;126.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Dayton,Ohio	110.3	335	359° Mag.	IM- ..... (.05)	MM-	OM- -- (4.4)
					MMK-	OMK-
Indianapolis Ind.(L6)	109.9	333.8	44° Mag.	IM- ..... (.05)	MM- ---- (.89)	OM- -- (4.3)
					MMK-201 ..... (.89)	OMK-219 ---- (4.3)
Patterson, Ohio	108.7	333.8	210° Mag.	IM- (.09)	MM- .....(1.5)	OM- -- (4.5)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice. Z VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs.

AIRPORTS — INDIANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Ace (Anderson)	2 S	875	30 L S4	80 oct.Port rnwy lgts.
Anderson	3.5 SE;RR NE	875	27 S6	80 oct.P-line NE,trees E.
Aretz (Lafayette)	4 NE	500	35 S6	80 oct.Info. unverified.
(A) Atterbury AAF(Columbus) (A)	3.5 N;hwy S	651	50h	INACTIVE.
Bargersville	1 N		20	Info. unverified.
Beck (Zionsville)	5 NE;crk W		14 S2	80 oct.Poleline W.Info. unverified.
Bedford	3.5 SE	682	19 S2	Ltd 73 oct.Rnwy data
Black Hawk (Sheridan)	5.3 N;hwy E	600	16 S1	Ltd 73 oct. unver.
(P) Bloomington	5 WSW;RR SE	840	40 L S2	73,80 oct.Port rnwy lgts Trees N,NE,SW
Boss-Denien (Salem)	3 WNW;RR N		26 S6	80 oct.Poleline S. Data not verified.
Bringham (Portland)	1.5 E;RR E	1020	20	Poles S;120' tank SW.
Brightwood(Indianapolis)	3.7 NE;rd S		44 S4	80 oct.Data unverif.
Brownsburg	1.5 SSE;RR N	650	20 S1	73 oct.Poleline S.
Bunker Hill	1.8 W;RR N	798	50h	
Bush (Jeffersonville)	3 NE		20 S2	80 oct.Inf.unverified.
Bush (Ramsey)	1.5 WSW;hwy N	580	10 S1	73 oct.
Campus (Bloomington)	1.5 ENE,RR S	889	22 S4	80 oct.
Columbus	4.5 SSW	616	45h S4	80 oct.No sto.
Coxey's (Winchester)	1 ESE;hwy N	1088	16 S4	80 oct.
Crawfordsville	4.5 SSW;hwys E, W	850	37 S4	80 oct. No sto.Info. unverified.
East Richmond (Richmond)	3.7 ESE;RR E	1090	20 S6	73 oct.
Elwood	1.8 SSE;hwy NE	850	23 S4	80 oct.Data unverif.
Farmers (Greenfield)	9 NW		26 S2	73 oct.Info. unverif.
Fortville	2.8 E;rd N	740	15 S1	Ltd 73 oct.Trees SSW.
Franklin Fly.Field	4 S;riv S	745	22 S2	80 oct.Trees S.
(A) Freeman (Seymour)(A)	2 SW;hwy N	575	55h	
French Lick Sprgs.(NC)	1 SE;RR W	500	27h	
G & C (Anderson)	1 N	875	30	Info. unverified.
Greencastle	8 SE		23 S2	80 oct.Info. unver.
(P) Greenfield, Inc.	1.9 ENE,RR S	910	30 S2	80 oct.Poleline S.
Halsmer (Lafayette)	3 ESE;RR S	595	20 S6	80 oct.Poles SW.
Himes (Ladoga)	4 NW		13	Info. unver.
Hoosier (Indianapolis)	4 WNW	740	26 S5	80 oct.Pole line NE.
Howells (Rushville)	2 SE;hwy SW	985	21 S6	80, 91 oct.
Huffman Air Service (Selma)	0.8 SE; RR N	1000	15 S4	73 oct.
Huntingburg 19,LS-LV	3 S;RR E	500	31 L2 S2	73 oct.
(P) INDIANAPOLIS	8 SW;hwy N	796	55h R3(L6)S6	73-100 oct.Exper lgtg.
Kokomo, mun.	4.7 NE	835	40h L5 S2	80 oct P-line N,Lgts prior
Lapel	1 NE		13	Rough.Info. unver. req.
Lawrenceburg	1 SW		22	Info. unver.
Lebanon	1 S;RR N	825	13 S2	80 oct.Trees SW.
Lizton	1 SE		25	Info. unverified.
Lockwood (Frankfort)	2.5 S;RR W	764	20 S4	80 oct.Ditch W.
Loy (Plainfield)	0.5 NE;RR S		19 S6	73 oct.Data unver.
Madison Commercial	2.2 N;RR W	960	24 S2	80 oct.Poles E.
(A) Madison AAF (A)	6 NNW; RR SW	850	50h	Closed to all acft.
Mapleton (Seymour)	3 E	630	18 S4	80 oct.No sto.Info.unver.
Martinsville	2 W		10	Info. unver.
Marion	3.8 SSW;hwy S	832	24 L S4	73 oct.Poles E;hi-line N.
Mecco (Danville)	0.5 W		13 S2	73 oct.Info. unver.
Mettel (Connersville)	2.4 NNE;RR E	950	29 S1	80 oct.
* Milroy Int,5, CC-CG	5.5 ESE	1034	27 R1 L3	
Moore (Zionsville)	12 NW		14 S1	80 oct.Info. unver.
(P) Muncie	3.5 N;RR SW	950	31h L4 S6	80,91 oct.Lgts prior req. Rnwy info. unver.
New Castle	3.2 E; RR S	1040	29 S6	80 oct. No sto.
New Castle Western (New Castle)	2.3 NW;lks SE	1080	26 L S1	73 oct.Port rnwy lgts.
Noblesville	0.5 SE	801	27 S1	80 oct.Poleline S end NW/SE strip.Info.unver
Ockley	1 W		23	Pwrlines N,W;trees E. Info. unver.
Owen (Mooresville)	4 E		31 S1	80 oct.Info. unver.
(P) Purdue University (Lafayette)	2.5 W;RR N	605	35h R1 L3 S6	80 oct.Silo N;stack NE.
Reese (Muncie)	4 E	950	19 S2	80 oct.Info. unver.
Reimer (Lafayette)	2 S		25 S2	80 oct. Info. unver.
Richmond, com.	4 WSW;RR N	1075	42 L1 S2	80 oct.
(P) Richmond, mun.	6 SSE;RR W	1139	55h L5	Contact lgts on req.
Ruzicka (Kokomo)	2.5 S;RR E	800	22 S6	80 oct.Pole E;trees N.
St. Anne #2 (Seymour)	2.3 NNE	750	45h	
Scottsburg	2 W		18	Info.unver.
Shank's (Indianapolis)	5 WNW	740	28 S6	80 oct.Info. unver.
Shelbyville	3.1 S;hwy E	850	19	Poleline E.
Silent Brook (Orleans)	5 W;riv SW	650	20 S4	80 oct. Hi-line W,SW
Sky Harbor (Indianap's)	7 ENE;hwy S	730	26 L S6	73,80 oct.Pole line E.
Sky Haven (Bedford)	2 SSW;riv S	650	36h S4	80,91 oct.Poleline E,S. Rnwy data not verif.
Steed (Portland)	1.5 NW	1030	20 S2	80 oct.Obsts N end NE-SW stp.Info.unver.
Stiles (Shoals)	1 N	740	22 S2	80 oct. Info. unver.
(A) Stout (Indianapolis)(A)	5.5 WSW	712	45h L5	Lgts prior req.
Templeton (Greensb'g)	3.5 WNW;RR N	915	26 S4	73 80 oct.Pwrline S. No sto.
Vevay	1 E	450	20 S2	73 oct.Tree NE corner Info. unver.
West Side (Marion)	2.5 NW;hwy S	835	26 S1	73 oct.Pole line E.
White Cloud(Greenw'd)	1.6 SW;hwy E	800	25 S4	Fuel.No sto.Info.unver.
Yorktown	1 S		22 S1	80 oct.Obsts E.Info.unver.
KENTUCKY				
Blue Grass (Lexington)	6 W;hwy N	978	40h L5 S4	80,91 oct.
(A) BOWMAN (Louisville)	5.5 ESE;hwy S	546	44h R2 L5 S6	73,91,100 oct.
Cool Meadow (Lexington)	4.8 NE;rd W	910	28 S6	80,91 oct.No sto.Pole line SW.
* Glendale Int,75B,	0.5 NE;RR NW	702	26 L3	(DL-LV)
(A) Godman (Ft.Knox)(A)	1 NW;RR E	740	52h R2 L5 S4	73,91,100 oct.No sto.
Goodall (Danville)	4.2 S;RR W,S	990	27 S6	80 oct.
(P) Greater Cincinnati (Covington)	8.2 W;riv NE	869	55h L5 S1	91,80 oct.Svcg days only.Ctc lgts prior req.
Paris	1.2 NNE	635	20 S1	80 oct.Ravines NE,SE.
Shelby (Shelbyville)	2.5 ENE;hwy S	850	20 S2	80 oct.Info. unver.
Silver Lake (Frankfort)	3.2 E;hwy N	750	25 S2	80 oct.
Standiford (Louisville)	4.3 SSE;RR W	480	50h L5	
* Warsaw Int,5A,LV-CV	0.8 SW;riv NW	485	50 R1 L3	
OHIO				
Attaway Air Ranch (Mason)	4.2 S;RR NW	850	23 S4	80 oct.No sto.Pole line E.
Campbell (Cincinnati)	6.2 NNW;RR E	820	24 S1	80 oct.Pole line WSW.
Cheviot (Cincinnati)	9 W	914	18 L1 S1	80 oct.
Cincinnati (Sharonv'l)	2 SE;hwy N	860	37 S6	80 oct.
* Coldwater Int,4,DY-GO	2 NW;crk NW	898	33 L3	
Country Club (Johnsv'l)	2.9 N;RR NE	990	26	Poles N, S.
Dahio (Dayton)	8.5 W;hwy S	925	37 S4	80 oct.
DAYTON	10 N;hwy E	1000	55h R3 L5 S6	73,80,91,100 oct.
Hamilton	2.5 SE;RR SW	615	29 S6	80,91 oct.Poles S, SE. Trees NW.
Happy Landings (Morrow) (NC)	2.4 ESE;RR S	880	28	Area SE unusable.
Harrison (NC)	2 ESE;RR SW	580	18	Pole line S.
Hightman (Lebanon)(NC)	3 E;RR W	860	16	Pole line W;trees W,E.
Lakeview (Montezuma)	1 SW;hwy W	895	24 S2	80 oct. Pole N.
(A) LUNKEN (Cincinnati)	4.3 SE;RR SW	481	41h R2 L5 S6	73,91,100 oct.Bcn.ESE.
(P) Miami University (Oxford)	2.2 WSW;RR W	1040	40 S6	80 oct.Poles N,NW.
(P) Middletown	1.5 N; riv N	653	31 S4	80 oct.
Midway (Lewisburg)	3.4 WSW;RR E	1090	26 S4	80 oct.Trees W.
Mt. Healthy (Cincinnati)	9.5 NW;hwy E	870	22 S6	80 oct.Poles E;woods W.
New Westville (New Paris)	2.8 S;RR S	1180	21 S1	80 oct.Poles E, NW, SE.
Parks Watson (Cincinnati)	9 NE;RR E	865	25 S6	80 oct.
(A) Patterson (Fairfld)(A)	1.6 WSW	819	78h R3 L6 S4	73,100 oct. JP-1.
Piqua	4 WNW;RR S	1000	19 S2	80 oct.Poles S,SE,SW.
Polk Grove (Vandalia)	3.6 W;riv W	975		UNUSABLE. (NC)
Sidney	1 W;RR S		25 S2	80 oct.Data unver.
South Dayton (Dayton)	5 SSW;RR W	750	32 S6	80 oct.No sto.Hills S.
Treaty City (Greenv'l)	1.5 NNE;hwy W	1060	20 S4	80 oct.Poleline W.
Waco-Troy (Troy)	1.8 SW;RR SE	870	29 S1	80 oct.
(A) Wright(Dayton)(A)	5 ENE;RR NW	800	72h R1 L5 S2	62,73,91,100 oct.JP-1 CLOSED.
Lansdowne (Greenv'l) (Ohio)	2 ESE;RR N		19	Bldgs,hi-line N. Inf. unver.
Port Koneta (Wapakoneta, Ohio)	2.5 NNE;RR E		26 S1	80 oct.Inf. unver.
Stair (Mulberry) Ind.	0.13 NE,hwy S	650	16 S4	80 oct.No sto.Pole line S /Data unver
Veteran's (Bloomington, Ind.)	2.5 W;RR N	850		80 oct. No sto. Poles W,
Riverside(Louisville,Ky)	7.5 SW;riv W		27 S4	80 oct. Data unver.
Charlestown (Ind.)	5 NE;hwy E		15 S6	80 oct. Data unver.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted) → NEW OR REVISED DATA.

70 INDIANAPOLIS

R EXTREMELY HAZARDOUS U USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

GRAND RAPIDS 35
BUNKER HILL
CHICAGO CINCINNATI
ROKOMO MUN
RUZICKA
OCKLEY
LAFAYETTE 227 1161
ARETZ
HALSMER
STAIP
REIMER
LAFAYETTE
RENSSELAER
PURDUE U
LOCKWOOD
BLACK HAWK
MOORE
LEBANON
BECK
CRAWFORDSVILLE
HINES
ADVANCE 24
LIZTON
BROWNSBURG
INDIANAPOLIS 278 126 18
MECCO
GREENBRIER 27
CLAYTON 11
GREENCASTLE
INDIANAPOLIS 266 1161
MARTINSVILLE
MORGANTOWN 22
VETERANS
CAMPUS
BLOOMINGTON
TERRE HAUTE 67
SKY HAVEN
BEDFORD
FREEMAN AAF
STILES
SILENT BROCK AIRPK
BOSS DENIEN
BOWMAN 278 118.3 126.18
HUNTINGBURG
EVANSVILLE 233 263
IND KY.
GODMAN AAF 272 126.18
GODMAN AAF 227
GLENDALE
BUSH
SHANK'S
HOOSIER
STOUT AAF
LOY
OWEN
WHITE CLOUD
BARGERSVILLE
SHELBYVILLE
FRANKLIN
ATTERBURY AAF
FREEMAN AAF
COLUMBUS
MAPLETON
ST ANNE NO 2
CHARLESTOWN
FREEMAN AAF
MADISON AAF
MADISON
SCOTTSBURG
LOUISVILLE 359
RIVERSIDE
STANDIFORD
WEST SIDE
MARION
ELWOOD
YORKTOWN
GANDC
ANDERSON
LAPEL
ACE
NOBLESVILLE
GREENFIELD ING
GREENFIELD
BRIGHTWOOD
FARMERS
SKY HARBOR
FORTVILLE
WESTERN
NEW CASTLE
RICHMOND COM
MUNCIE
REESE
HUFFMAN AIR SER
COXEY
MILROY
TEMPLETON
MILROY 347
On request
CEDAR GROVE 35
METTEL
HOWELL
RICHMOND MUN
E RICHMOND
STEED
BRINGHAM
FORT RAYM 251
RED 19
RED 14
RED 18
BLUE 44
AMBER 6
AMBER 6
RED 27
RED 11
IND
OHIO
KY
DAYTON 245 1161
DAYTON 278 118.9 126.18
TREATY CITY
LANSDOWNE
LUNKEN 227 118.7 126.18
LAWRENCEVILLE
GREATER CINCINNATI
MT HEALTHY
CAMPBELL
CHEVIOT
CINCI INC
ATTAWAY
EASTWOOD 9
UNION 24
WARSAW 212
On request
WARSAW
SULPHUR 70
SHELBY
SILVER LAKE
PORT KONETA
COLDWATER
LAKEVIEW
CLEVELAND CINCINNATI
SIDNEY
PIQUA
WACO-TROY
TROY
VERONA 10
PATTERSON AAF 396 126.18
WRIGHT AAF 260 126.1
PATTERSON AAF 379 1161
COUNTRY CLUB
DAHIO
NEW WESTVILLE
SO DAYTON
FAIRFIELD 9
MIAMI U
HAMILTON
MIDDLETOWN
LOVELAND 9
PARKS WATSON
CINCINNATI 335
COLUMBUS 71
PARIS
COOL MEADOW
HUNTINGTON
BLUE GRASS
SHEPHERDSVILLE 18
GOODALL
BOWLING GREEN 368
CINCINNATI ATLANTA
KNOXVILLE
TO SPRINGFIELD
TO TOLEDO
TO HUNTINGTON
OVER
NASHVILLE 106 | KNOXVILLE 107

COLUMBUS 71

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
(R): EXTREMELY HAZARDOUS (U): USABLE WITH CAUTION
TO FORT WAYNE

DETROIT 38
CEDAR LAWN
MARION
MAGNOLIA
+VOSS
MT. LIBERTY
WYNKOOP
NEW PHILADELPHIA
CLEVELAND CINCINNATI
CLEVELAND PITTSBURGH
COLUMBUS 391 (116.1)
GRIMES
OHIO STATE U.
COMMERCE
BRIGGS
NEWARK
SUMMIT STA
SPRINGFIELD
CAMBRIDGE
ZANESVILLE 263 (116.1) On request
SNOOK
RIVERSIDE
CRABILL
SPRINGFIELD
NILLIARD
CLICKENGER
GROVE CITY
PRICE
NORTON
ZANESVILLE
SULLIVANT AVE.
PORT LANCASTER
CROOKSVILLE
LANCASTER
LOCKBOURNE AAB 317 (126.1R)
PORT COLUMBUS-NAS 278 (118.5, 126.1R, 142.7R)
WASHINGTON
TRI-COUNTY
On request
CLINTON CO. AAF 201
CHILLICOTHE SKYPARK
REED'S
MARIETTA
WOOD CO.
OHIO U.
STEWART
JONES
CLINTON CO. AAF 272 m. 116.1, 126.1R, 137.65, 140.5R m.
INTENSIVE INSTRUMENT TRAINING AREA SHOULD BE AVOIDED AT ALL TIMES.
On request
CHERRY FORK 209
CHERRY FORK
SHUMATE
RAVENSWOOD
KNORE
RAVEN ROCK
OHIO W.VA.
ROANE CO.
MAYSVILLE
OHIO KY.
ABKEN
ASHLAND
HUNTINGTON
CLARK
CHARLESTON 400 (118.1)
HUNTINGTON 236 (118.1)
BOLLINGER
LOGAN
SCOTT
MORRIS
CINCINNATI ATLANTA
PAYNESVILLE 356
PRINCETON
KNOXVILLE 107 CHARLOTTE 110
TO LOUISVILLE
INDIANAPOLIS 70
PITTSBURGH 74
TO PITTSBURGH
STATUTE MILES

COLUMBUS

OHIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHERRY FORK (Int.)	209 (UY)	MHT	(4)
CLINTON CO. (Wilmington)	272 (126.18, 140.58.116.1)	CA(ILS)	(3); 126.18,137.7,116.1 Tr on 137.88 on req.(GCA)
Clinton County (Wilmington) (Army)	201	K	0.2 mi. end Rnwy 22, (8-1630, Mon-Fri.or on 30 min notice)
COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-VDT,86°, 1.9	(3); 116.1
HILLIARD FM	(- - - -)	FM, 273°, 9.8	Columbus
LOCKBOURNE AAB(Columbus)	317 (126.18)+	CA (ILS)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°, 25	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18,142.74)	AC	(4), 131.9, 118.5, 126.18, 142.74
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1

WEST VIRGINIA

CHARLESTON	400 (KN)(116.1)	SBMRAZ-VDT	(4), 116.1
→ HUNTINGTON	236 (HI)(116.1)	BMRLZ-VDT.75°, 2.4	(4):116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOCKBOURNE AAB, OHIO	109.9		3° Mag.	IM (.16)	MM ..... (.85)	OM -- (4.29)
				MMK		OMK
CLINTON CO. AAF, OHIO	109.5 ASR	332.6	320° Mag.	IM (.05)	MM	OM
				MMK		OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

KENTUCKY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E, RR SE	535	29 S4	80 oct.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.

OHIO

Briggs (Zanesville)	6.4 NNE,RR W	780	18 S2	80 oct. Poles E.
Cambridge	2 N, RR W	800	27 L3 S2	73 oct.
Cedar Lawn (Kenton)	2.3 S, RR E	975	18 S2	80 oct. Poles E.
★ Cherry Fork Int,4,CC-WA	0.5 NNW	939	39 R1 L3	
Chillicothe Skypark	1.8 N,RR E	640	30 S4	80,91 oct. Data not verified.
Clickenger (Columbus)	6.2 SSE,RR E	748	26 S2	80 oct. Poles surround fld.
(A) Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
Commerce (Zanesville)	6.5 N,RR,riv E	800	28 S2	73, 80 oct.
Crabill('Springfield)	2.5 SE,RR E	1040	29 S6	80 oct. Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111(NC)-Not charted. → NEW OR REVISED DATA

OHIO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
Grimes (Urbana)	1.5 N,RR W	1055	35 L4 S6	80 oct. Fld lgts prior req.
Grove City	1 S, RR W	860	21 S6	73,80 oct. No sto.Poles W.
Jones (Chillocothe)	7.2 SE,RR SW	720	20 S2	Ltd 80 oct.
Knore (Minford)	2 SE,RR W	670	20 S6	80 oct. No sto. Pwr line S.
Lancaster	2.5 E,RR N,SW	830	25 S4	80 oct. Poles E.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	738	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S1	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S2	80 oct.
Newark,2, CO-PG	3.5 SW,RR N	880	25 L3 S2	73 oct. 200' stacks S.
(P) New Philadelphia	2.5 SE,RR SW	885	36 S6	80 oct. Poles N,E,W.
Norton (Columbus)	6.5 E,RR N	800	22 S6	80, 91 oct. Pole line N.
(P) Ohio State University (Columbus)	8 NNW,riv E	900	22h S4	80, 91 oct.
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) Port Columbus - NAS (Columbus)	7 E, RR S	815	50h R2 L6 S6	80-100 oct. Poles NW.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	14	Poles NNE; trees SSW.
Price (Columbus)	6 SE	760	22 S6	80 oct. Poles S, SE.
Raven Rock (Portsmouth)	3.5 WSW,riv S	538	24 L3 S6	80,91 oct. Lgtg fac not verified.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE.
Riverside (Zanesville)	3.4 NNE,RR W	700	40 S4	80 oct. Hill, trees NNE,SSW.
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RR NE	640	24	
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,RR N	1050	27 LA S4	80 oct.No sto.Fld lgts prior req.
Sullivant Ave.(Columbus)	6 WSW,RR NW	860	31 S6	80,91 oct. Pole line S.
Tri-Co. (New Holland)	3 ESE,RR N	850	21 S1	80 oct.
(P) Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE,RR S	910	22 S1	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	960	13	
Woodsfield (NC)	1 W,hwy NE	1220	19	
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S1	80,91 oct.Pole line E. RR E.
Zaleski St. Forest Svc.	1 SSW,RR NW	705	22	(NC)
(P) Zanesville	6.2 E,hwys N,S	902	50h R1 L5 S1	80 oct. prior req.
(P) Huntington(Chesapeake)	2 WSW, riv S	560	29h R1 S6	80,91 oct.
Port Lancaster Corp. (Hooker)	0.8 N;RR W	800	28 S1	80,91 oct. Hwy W.
Snook(Reynoldsburg)	1.4 NE;RR N	980	21 S6	80 oct.Pole line E;trees SW.

WEST VIRGINIA

Bollinger(Charleston)	4.5 SW,riv N	900	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
Roane Co. (Spencer)	1 SE,hwy NE	954	17 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N, RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct. Pole line SE.
(P) Wood Co. (Parkersburg)	7 NE; hwy E	835	45h L5 S6	80,91,100 oct. Lgts prior req.
Logan	7.2 NNW,riv E	630	15h S1	80 oct.Hill S,N.
Huntington				See Huntington Arpt, Chesapeake, Ohio
Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct,P-line S.Data unver.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALLEGHENY CO. ARPT (Pittsburgh)	278 (126.18 (118.7)	AC	(4);140.1,131.1,126.18
ALTOONA (Altoona-Blair Co.)	338(RP) (116.1)	SBMRAZ-VDT;203° 1.3	(4);116.1
CECIL FM	(- - -)	FM. 265°, 10.3	Pittsburgh
GREATER PITTSBURGH AIRPORT PITTSBURGH	396 (126.18 +	CA	(3);126.18
HOOKSTOWN FM	(- - - -)	FM.308°, 32	Pittsburgh
MT. PLEASANT FM	(- -)	FM.124°, 24.7	Pittsburgh
NEW ALEXANDRIA FM	(-)	FM. 85°, 30	Pittsburgh
PITTSBURGH	254(PT) (116.1)	SBRAZ-VDT ;85°, 2.2	(3);116.1
SUMMERHILL FM	(- - - -)	FM. 281° 22	Altoona
CECIL	219(C)	FM.265°,16.3	Pittsburgh
VIRGINIA			
FRONT ROYAL	362(FZ)(116.1)	SBMRAZ-VDT	(4);116.1
GORDONSVILLE (Int)	388(GV)(116.1)	SBMRAZ-VDT;135°2.6	(4);116.1
LYNCHBURG (Preston Glenn)	206(LB)(116.1) 248	SBRAZ-VDT C: 165°,2.1	(4);116.1 (4)
WEST VIRGINIA			
ELKINS	281(EK)(116.1)	SBMRAZ-VDT:174°2.9	(4);116.1
MARTINSBURG	209(MR) (116.1)	BMRLZ-VDT;35°,2.9	(4); 116.1
MORGANTOWN	269(MG)(116.1)	BMRLZ-VDT;173°,5.6	(4);116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM	MM	OM
PITTSBURGH, PA.			95° Mag.		MK 201----(.80)	(MK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

MARYLAND

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Cumberland	2.5 S;riv N,S	780	58h L5 S1	80 oct. Mtns SW.
Mexico Farms(Cumberland)	3 S;RR E	630	36 S2	80 oct.Mtns E.

OHIO

Scott (Tiltonsville)(NC)	1.5 SSW;riv E	650	25	
Toronto	1.5 NW;riv E	1050	22	

PENNSYLVANIA

ALLEGHENY COUNTY(Pittsburgh)	5.3 S;RR NW	1252	57h R2 L6 S6	80-100 oct.No ctc lgts.Rdo rec req.
Allegheny Val'y(Tarentum)	3.2 W;RR W	1125	24 S4	80 oct.
Altoona(Duncansville)	1 SW;RR E	1050	36 S4	73 oct.
Altoona-Blair Co.24A-CO-PC	15 SSE	1495	44h R1 L4 S2	80,91 oct.
* Buckstown Int.12B.WA-CV	1 E;hwy S	2480	23 L3	
Connellsville	4 SSW;hwy E	1250	34h S2	80 oct.
Cresson	1 NE;RR W	2240	25 S2	80 oct.Pole line S.
(A) Greater Pittsburgh (Pittsburgh)(A)	15 WNW;riv N	1145	55h R1 L5 S4	91,100 oct.JP-1
(P) Greene County (Waynesburg)	2.7 E;RR NW	1100	32 S6	80 oct.
Hamilton (Indiana)	2.5 E;hwy S	1440	26 S6	80 oct.Pole line S.
Harrison City	1.1 NW;hwy S	1230	17	Poles NW.
Huntingdon	1 S;riv NE	620	20 S4	80 oct.Pole line W.
(P) Johnstown	4.7 E;hwy N	2282	45h	
Keystone (Ebensburg)	3 SW;RR NW	2100	23 S4	87 oct.Obst sur fld.
Latrobe	2.8 SSW;hwy N	1144	23h S4	80 oct.
Leechburg	1.6 ESE;hwy W	960	30 S6	73 oct.Pole line N.NE.
Mayer (Pittsburgh)	10 WSW;RR S	770	16 S4	80 oct. Pole line S.

R-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII) (NC)-Not charted.

PENNSYLVANIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
New Alexandria	1.5 ENE;hwy N	1200	18 S4	80 oct. Pole line N. See Allegheny County Arpt.
PITTSBURGH-ALLEGHENY CO. (Pittsburgh)				
Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct.
Pittsburgh-Greensburg (Greensburg)	2.3 SE;hwy N	1280	26 L3 S6	80 oct.Twr W.No bndry lgts.
Pitt-Wilkins(Pitcairn)	1 NNW	1200	17 S2	80 oct.
Salix	0.6 S;RR NW	2200	24 S4	80 oct.
Somerset	2NNE;RR SE	2200	27 S4	80 oct. Pole line W.Unverified.
(P) Stultz (Altoona)	10.7 NNE;RR N	970	35 S6	80,91 oct.Pole line N.Rnwy data
Vandergrift	2 WNW;RR E	1000	21 S2	73 oct. Pole line NW.

VIRGINIA

Augusta(Waynesboro)	6 WSW;riv SE	1420	24 S4	80 oct.Bad pole line SE.
Buford's (Montvale)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
Covington-Clifton Forge	6.5 E;hwy S	1115	24 S4	80 oct.
Gordonsville	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Int,51,NA-WA	5 SSE	438	31 R1 L3	Pole line SW.
Hartman(Harrisonburg)	1 NW	1350	22 S4	80 oct.
Ingalls (Hot Springs)	3 S;hwy W	3780	31 S2	80 oct. Closed winters.
Lexington	2.7 SW;hwy S	1200	17 S1	73 oct. Pole line NE,SW.
Narrows	1 E;RR S	1550	20 S2	Ltd 80 oct. Trees W.
PRESTON GLENN(Lynchburg)	6.7 SSW;RR SE	935	40h R2 L5 S6	80,91 oct.
Staunton	4.4 NE;RR NW	1300	26 S6	80,91 oct.Pole line NNE.
Stokes (Front Royal)	2.5 W;riv E	735	19 S2	80 oct. Pole line S.E.
Timberlake (Lynchburg)	9.5 SW;RR N	950	26	
University of Virginia (Charlottesville)	5 ESE;riv E	300	35 S6	80, 91 oct.Trees ESE.
Valley (Waynesboro)	1.7 NNE;RR E	1300	26 S2	80 oct. Pole line ENE,SSW
Winchester	3 SSE;hwy E,S	700	22 S6	80 oct.
Shenandoah	0.5 SW;hwy W		19 S1	Data unverified.
Orange County (Orange)	4 E;hwy S		20	Data unverified.
Covington	1 NE	1500	20 S4	80 oct. Unverified.

WEST VIRGINIA

Baker Airpark(Burlington	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg)	6 E;hwy S	1170	38h S6	80,91 oct.
(P) ELKINS	2.6 S;RR W	1965	45h R1 L5 S4	80,91 oct. No sto.
Forman (Terra Alta)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
Glendale	0.5 WSW;bet RR & river	640	29 S6	80 oct.Trees N,S;pole line S.
(A) Greenbrier AAF (White Sulphur Springs)(A)	2 SW	1795	35h	
Hinton	4.8 WSW;RR E	2600	26 S4	80 oct. Pole line NNW.
Hinton-Alderson(Pence Springs)(NC)	1 E;riv,RR S	1520	26	Hill W,E.
Lewis (Buckhannon)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Louis Bennett(Weston)	3.2 N;RR E	996	37	Hill S;pole line WNW
Marlinton	1.5 NNE;RR SE	2475	21 S2	80 oct. Hill WNW
Moorefield	0.8 NE;RR W	980	25 S4	80 oct. Trees WNW.
(P) Morgantown	2.2 ENE;hwy NW	1254	36h R1 L3 S6	80 oct.
* Petersburg Int,29,CC-WA	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
Ridgeway (Bunker Hill)	2.3 SSW;RR E	600	20 S6	80 oct.No sto.Pole line SSW.
Romney	2.1 NNE;riv W	750	16 S2	80 oct.Mts WNW,ESE,SSE.
Ronceverte	2 N;hwy SE	2175	18 S2	80 oct.
* Sutton Int. 21. CC-WA	3.6 ENE;RR W	1264	32 L3	
Weirton(Hollidays Cove)	1.5 E		16 S6	80 oct. Data unverified.
(P) Wheeling Ohio County	7.5 NNE;riv W	1190	50h L5	All lgts prior req.
Elk Garden (W.Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct. Pole line NW.
Herron(New Cumberland, W.Va)	4 NE;lake W	1250	17 S4	80 oct.Data unver.

NEW CR REVISED DATA

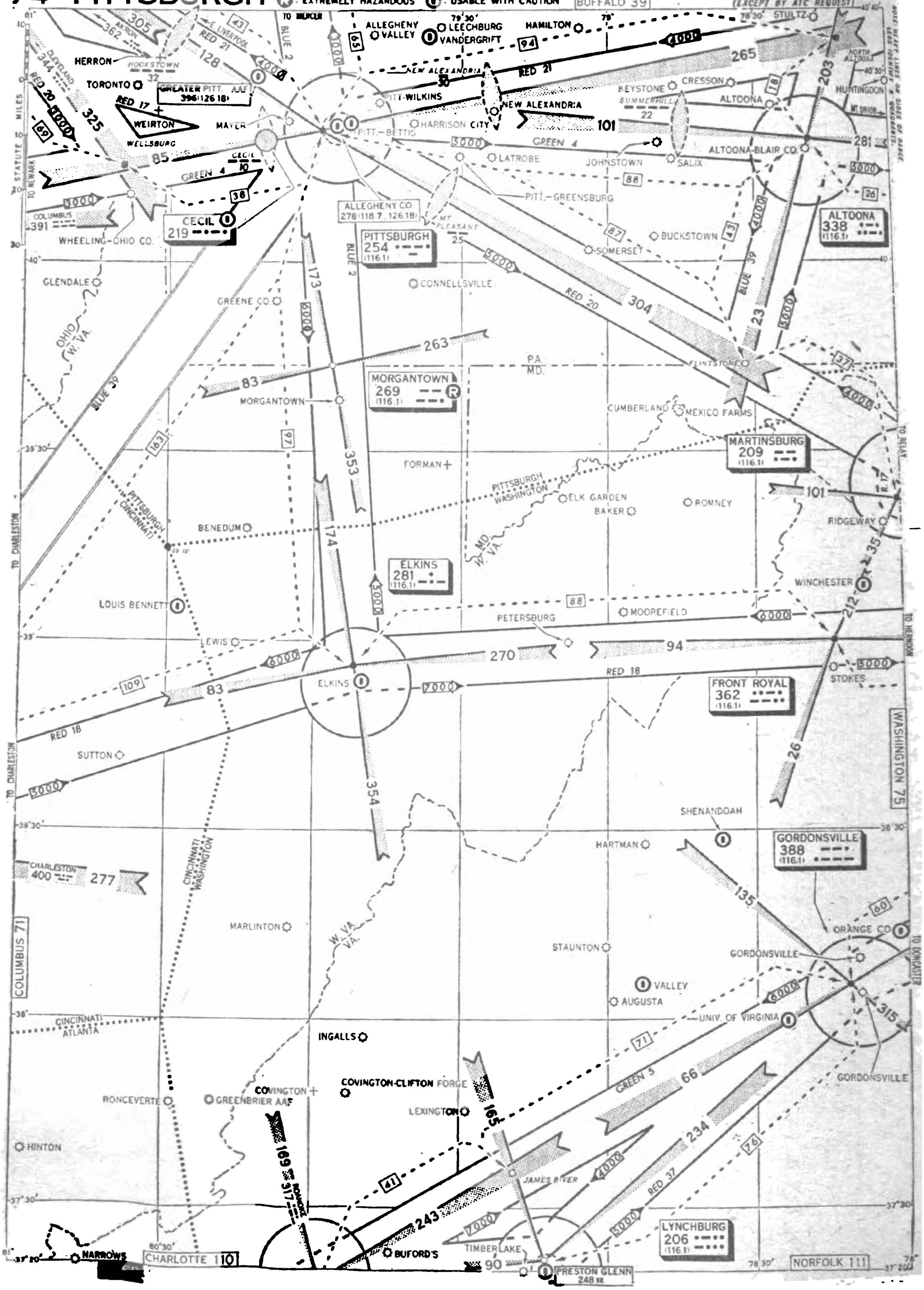
74 PITTSBURGH

R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

BUFFALO 39

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE BOUNDARIES INDICATE JOINT USE AREAS



WASHINGTON 75

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓞ USABLE WITH CAUTION

HARRISBURG 242 (1161)
MT UNION 104
HARRISBURG STATE 278
LEWISTOWN CARGILL
CARLISLE
TAYLOR
SUNSET ACRES
CHAMBERSBURG
GETTYSBURG DOERSOM
WAYNESBORO
HAGERSTOWN
TANEYTOWN
NORTH END
MARTINSBURG
STEVENS
RUTHERFORD
MARTINSBURG 209
LEESBURG
FRONT ROYAL 362
BLUE RIDGE
FOR DETAILS IN THIS AREA SEE CHART 78
MANASSAS
WASHINGTON 332 (1161)
MCAS. QUANTICO 203
GORDONSVILLE 388
SHANNON
MILFORD
TAPPAHANNOCK
DAWN
NORTHFIELD
HERMITAGE
CENTRAL
MIDWAY
RICHMOND AAB 396 (118.7, 126.1)
RICHMOND 260 (118.1)
WEST POINT
SYRACUSE 42
SCHUYKILL
ALLENTOWN BETHLEHEM
FOGELSVILLE
ESTLER
KUTZTOWN
SWATARA VALLEY
WOMELSDORF
CONVAIR
BETHLEHEM-EASTON
ALEXANDRIA
PENN-HARRIS
BERKS
LEBANON CO
HERSHEY
OLMSTED AAF 396 126 18
REIGEL
LAYFELD
MADEIRA
NEW HANOVER
READING
SWILIN JACK
POTTSTOWN
ALLENTOWN 320
LANCASTER MUN
FOR DETAILS IN THIS AREA SEE CHART 78
COATESVILLE
W CHESTER
MAIN LINE
LANCASTER
DU PONT 388
YORK
VALLEY
PHILADELPHIA 266 (1161)
BIGGS
WOODSTOWN
PENNS GROVE
BELLANCA
ALDINO
NEW CASTLE 350
NEW CASTLE CO 219
SALEM
KROELINGER
ABERDEEN
PHILLIPS AAF 201 126 18
BUCKS
GREENWICH
MILLVILLE
MILLVILLE 365
EDGEWOOD ARSENAL AAF
MARTIN 317
BALTIMORE 278 1189
FAIRBROOK
DOVER
DOVER AAF 396 126 181
BALTIMORE 257 (1161)
NAF ANNAPOLIS 2870 142 74
ANNAPOLIS
GLENBURNIE WHIPP
HARRINGTON
EASTON
WEBB
LEE ANNAPOLIS
BRIDGEVILLE
GEORGETOWN
REHOBOTH
NAS. PATUXENT RIVER 420
SUSSEX
DELMARVIA
SALISBURY
HICKMAN
CHESAPEAKE BAY
NAF DAHLGREN 368 142 74
NAS. PATUXENT RIVER 347 142 74
NAAS. CHINCOTEAGUE 221
WEBSTER
PINEY POINT
LIVELY
CURRELL'S
PARKSLEY
JOHNSON
MELFA
NAAS. CHINCOTEAGUE 329 (142.74)
KELLAM
NORFOLK 111

LOCATION	FREQ., IDENT	STA. CLASS, BEAR & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DOVER AAF	396 (126.18)	CA	(3); 126.18 (7-19)
DUPONT ARPT. (Wilmington)	388	CI	3105,3117.5,5[illegible]2.5 (8-20 daily except Sunday)
NEW CASTLE	350 (NC)	SMRAZ	
New Castle Co. Airport	218	CI 190°,2.8	(4)
[illegible]			
WASHINGTON	112(WAH)(116.1)	SBRAZ-VDTX	(3); 116.1
[illegible]			
ANNAPOLIS	3370(CI,74)	CN	3105,2870,6420,142.74
BALTIMORE	357(-.O)(116.1)	BMRLZ-VDT	(3); 116.1 (7-17)
Baltimore Mun. Airport	278 (118.9)	C, 120°, 2.3	(4) 118.9,131.9
BELTSVILLE FM	(-)	FM; 41°,17.6	Washington, D.C.
DONCASTER FM	(. . . - - -)	FM, 209°,24.7	Washington, D.C.
MARTIN ARPT (Baltimore)	317	CI	(4)(8-sunset,Mon-Fri.)
MEEKINS NECK FM (Navy)	(-)	FM 570, 16	Patuxent River
PATUXENT RIVER (Navy)	420 (NHK)	BMRLZ	(3); 142.74 (GCA)
Patuxent Riv.NAS	347 (142.74)	CN; 570, 4	(3); 142.74
PHILLIPS FIELD (Aberdeen)	201 (126.18)	CA	(3);126.18 (8-18 Mon.-Friday)
WEBSTER (Priest Point)	3345 (142.74)	CN	3105; 142.74(24 hrs. adv. notice)
PENNSYLVANIA			
BOOTHWYN FM	(- . -)	FM, 260°,9.5	Philadelphia
CARLISLE FM	(- . - -)	FM, 284°, 18	Harrisburg
HARRISBURG	242(HX)(116.1)	SBRAZ-VDT	(3); 116.1
Harrisburg State Airport	278	C, 118°, 1.1	(4), 116.1,131.9,
MIDDLETOWN FM	(- -)	FM, 118°, 9	Harrisburg
OLMSTED FIELD (Middletown)	396 (126.18) +	CA	(4); 126.18
PHILADELPHIA (Southwest Arpt)	266(PG)(116.1)	SBMRAZ-VDT, 97°,.3	(4); 116.1
SEVEN VALLEYS FM	(- . . -)	FM, 172°, 25	Harrisburg
VIRGINIA			
ALEXANDRIA LFM	(- - -)	LFM,209°,2.4	Washington, D.C.
CHESTER FM	(- -)	FM, 218°,9.15	Richmond
CHINCOTEAGUE (Navy)	221 (NKZ)	MRLZ	3106,4495;142.74
Chincoteague NAAS	3295 (142.74)	CN; 98°, 4.5	(3); 142.74
DAHLGREN NAF PROV. GROUNDS	368 (142.74)	CN	(3); 142.74 (8-16 except Sunday)
DAWN FM	(- - - -)	FM, 3°, 25.1	Richmond
HERNDON FM	(- . - - -)	FM, 317°, 21.8	Washington, D.C.
MOUNT VERNON FM	(. . - - -)	FM, 209°,8.2	Washington, D.C.
QUANTICO MCAS (Navy)	203 (NYG)	MRLZ-209°,4.6	3105,4495
RICHMOND	260(RW)(116.1)	SBRAZ-VDT	(3); 116.1
Richmond AAB	396 (126.18) (118.7)	AC(ILS);20°,1.9	(4);131.9,118.7,126.18
[illegible]			
MILLVILLE, N.J.	365 (NV)	SBRA-DT	(4) (8-20)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. ANGLE	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Richmond AAB, Va.	109.9		63° Mag.	IM- (17)	MM- ..... 1.90)	OM- - -(4.50)
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S Simul. Range and Voice W Without Voice Z VHF Range Station Location Marker. 43=3105, 4495, 6210, 3117.5 kcs. 44=3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A C S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellanca (New Castle)	1.5 W	30	25h L1 S5	80,91 oct. Poles N.
Biggs (New Castle)	1 NW,riv SE	60	21 S2	80 oct. Riv. S
Bridgeville	1.5 S	20	27 S6	80 oct.Data unver.
Dover	1.4 ENE	34	19 S2	80 oct.Poleline N.Crk.
Dover Airpark	2.2 N,rd W	37	25 S2	80 oct. NW.
(A) Dover AAF (A)	4 SE,hwy E	28	70h R1	INACTIVE.
DuPont(Seaford)(NC)	0.8 WSW,RR NE	25	21	Poles NE.PRIVATE. RESTRICTED.
DuPont (Wilmington)	3 WNW,RR E	185	29 R1 L4 S4	80 oct.No sto.
(P) Georgetown	1.5 E,RR NW	51	50h	
(P) New Castle County (Wilmington)	4.8 SW,hwy SE	75	70h R2 L5 S1	80, 91 oct.
Rehoboth Beach Aircrafters	2.5 W,hwy N	10	35 L S6	80,91 oct.Obsts sur fld. Port rnwy lgts.
Skycraft (Wilmington) (NC)	3 NE,rd N	250	15	Poles N,W,S;trees NW, SE.
Sussex (Frankford)	1 N		24 S4	80 oct.Data unver.
MARYLAND				
Aldino (Churchville)	2.2 NE,RR SE	400	20 S6	80 oct.
Andelot(Worton)(NC)	4 WNW,bay W	25	20	Trees N
Annapolis	2 SE		18h S4	80,91 oct.No sto.Data unver.
(P) BALTIMORE MUN.	6 SE,RR NE	14	46h R2 L5 S6	80,91 oct.,100 oct prior req.Rdo rqrd.
C.A.P. Base (Westminster)	2.6 N,hwy E	780	20 S4	80 oct. Poleline E,NE.
Delmarvia(Salisbury)	2.8 NE,hwy W	45	21 S6	80 oct.Poleline N,E,NE
(P) Easton	2.2 N,RR E	66	40h L S4	80 oct.No sto.Port lgts.
(A) Edgewood Arsenal(A)	1.3 S	18	50h L5 S4	91,100 oct No bcn CLSD
Faybrook(Rock Hall)	1.5 NNW,bay W	20	14 S4	80 oct.Trees WNW, NNE
Glenburnie-Whipp	1 E,hwy W	56	26 S6	80 oct.Seaplane Anchor
Hagerstown	4.2 N,RR W	700	39h L3 S4	80 oct.Fld lgts prior req.
Hickman(Ocean City)	7.5 NW, riv S	15	28 S4	80,91 oct.Data unver.
Lee Annapolis(Annapolis)	4.8 WSW, hwy E	30	28 S1	73 oct.Pole line ESE.
Martin(Baltimore)	10 E,RR N	18	70h R1	PRIVATE.
(N) Patuxent River NAS(N)	2.9 NE Jarboes	38	97h R2 L6 S4	91,100 oct. P-1.NATS
(A) Phillips(Aberdeen)(A)	3.2 S,RR W	57	50h R1 L5 S1	91,100 oct. CLOSED.
Pimlico (Baltimore)	6 NW,hwy SW	449	32 S6	80,91 oct.
(N) Piney Point (N)	0.8 WNW	10	14h S1	73 oct.Use rnwys only.
Rutherford(Baltimore)	7 W,RR W	500	23 S6	80 oct. Twr N.
Salisbury	5.3 ESE	52	50h	
Shady Side (NC)	1.8 SSW	10	15	Poleline SSW RR W
Stevens (Frederick)	5.8 N,hwy E	440	28 S6	80 oct.Trees SW,S,W
Taneytown	2.9 WNW	500	20 S4	80 oct.Poleline S,SW,W
Webb (Easton)	2.5 E	50	26 S6	80 oct.No sto.Poleline
(N) Webster (Priest Point) (N)	1.5 W Ingoes	21	50h R1 S1	Ltd 100 oct. S,SE JP-1 on req.
NEW JERSEY				
Alexandria (Pittstown)	2 WNW,lk NE	340	18 S4	80 oct No sto.Trees NE
Buck's (Bridgeton)	3.7 NNE,RR S	100	18 S4	80 oct P-line S,W
Greenwich	2.5 W,riv SW	30	21 S6	73,80 oct.Trees N.
Kroelinger(Vineland)	2.5 NNW,RR E	100	19 S6	80 oct.Poleline S,E
(P) Millville	3.3 SW,lk N	68	50h R1 L5 S6	80,91 oct.
Penns Grove	3 SE,riv W	10	22 S2	73 oct.Poleline W,SSW.
Salem	2 ESE,rd S	15	22 S6	80 oct.
Woodstown (Auburn)	1.5 SSE,RR E	100	20 S1	80 oct.Poleline N,NE.
PENNSYLVANIA				
ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE,RR NW	380	40h R1 L5 S6	80,91 oct.Use rnwys only.Fld lgts prior req.
Berks (Reading)	4.5 NW, hwy SW	360	23 S4	80,91 oct.Hill NW.
Bethlehem-Easton (Easton)	4.5 SW,riv S	360	23 S6	80,91 oct.No sto.Poleline sur fld.
Cargill (Granville)	1.5 SW,RR SE	490	23 S2	73 oct.Obsts sur fld.
Carlisle	1.8 WSW,RR N	480	23 S6	80 oct.
Centerville(Carlisle)	11.3 SW,RR N	660	23	Trees E, NE. (NC)
Chambersburg	1.2 SSE,RR SW	650	22 S6	80 oct.E,W strip rough
Coatesville	1.6 W,RR S	623	26 L1 S4	80 oct.Obsts sur fld.
Convair(Allentown)	3 SSW	399	40h	
Devener(Hanover)	2 NNE,hwy W	590	20 S6	73,80 oct.
Doersom(Gettysburg)	2.4 NW,RR N	590	19 S6	73 oct.Pwrline NE.
Estler(Mohrsville)	3.5 W,pond W	390	22 S6	Ltd 80 oct.Trees W
Fogelsville	0.7 E,RR SE	460	22 S4	80 oct.No sto.P-line SW

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gettysburg	2.8 NNW	600	24 S3	80 oct.No sto.RR SW
HARRISBURG STATE	3.5 S,RR N	344	40h R2 L5 S6	80,91,100 oct.
Hershey	1.1 NNW,RR S	415	21 S2	80, 91 oct.
Kutztown	1.5 S,RR SE	400	25 S4	73 oct.
Lancaster	1.5 NNW	320	26 S6	73,80 oct.Pwrline W,RR
Lancaster,35,CO-PG	5.5 N,hwy W	385	27h L4 S4	80 oct.Poles S,WSW |SW
Layfield(New Hanover)	2 NE,hwy W	320	17 S6	80 oct.Trees NE.
Lebanon Co.(Myerstown)	1.8 W,hwy S	525	17 S5	80 oct.
Lewistown	4 SW,riv SE	560	19 S6	80 oct.Wooded hill NW.
Madeira (Reading)	3.2 N,RR W	360	20 L S6	80 oct.Port flood lgts
(P) Mount Union	4 S,hwy E	560	30 S4	80 oct.
New Hanover	0.5 W,hwy SE	320	20 L S4	80 oct.Port flood lgts
(A) Olmsted(Middletown) (A)	1 W,RR N	300	50h R1 L5 S6	62-100 oct JP-1 Poles N, NE. Riv. S.
Penn-Harris(Harrisburg)	4 ESE,RR N	400	18 L S6	80,91 oct Flood lgts.
Philadelphia Main Line (Paoli)	2.8 WNW,hwy S	310	21 S4	No fuel.Pole line ESE.
Pottstown	4.5 E,hwy N	311	30 S6	80 oct.Bldg NW.
READING	3 NW,riv E	342	52h L6 S6	B-2 lgts prior req.
Reigel(Campbelltown)	1 N,hwy N	475	20 S4	80 oct.
Schuylkill(Pottsville)	8.3 ESE, lake SE	510	29 L S6	80 oct.Port rnwy lgts Hills SW,E,NE
Smilin' Jack (Douglassville)	1.3 NW,RR S	200	24 S4	80 oct.
Sunset Airways (Chambersburg)	3.5 NNE,rd E, S	650	25 S1	80 oct Pole line E,NNW
Swatara Valley (Pine Grove)	4 WSW,RR N	480	21 S4	80 oct.
Taylor(New Kingston)	0.5 SE,hwy N	440	28 S6	80 oct.Pole line N
Valley Arpk (York)	3 ENE,RR N	420	21 S6	80 oct.Poles SSE,NNW.
Waynesboro	3 SE,hwy N	700	20h S6	80 oct.
Womelsdorf	3 NW,hwy E	540	13 S1	73 oct.
York	8.3 WSW,RR E	500	19 L S6	73,80 oct.Floodlgts Pole N
VIRGINIA				
Blue Ridge(Herndon)	4 WSW,hwy NE	280	30	Poleline E
Central (Richmond)	2.5 ENE,RR W	172	45 S6	80 oct.Poles WNW,SE
(N) Chincoteague NAAS	4.5 WNW,hwy S	38	60h R2 L5 S4	100 oct. (N)
(N) Dahlgren NAF Proving Grounds (N)	0.5 E	20	40h R1 L5 S2	100 oct. CLOSED.
Harcum (NC)	0.2 NW	85	35	Poles,trees sur fld.
Hermitage(Richmond)	3.2 NNW,RR W	200	20 S6	80 oct.Trees,poles E,W
Hummel(Greys Pt.)	3 NE Harmony	30	21	Obsts sur fld. (NC)
Kellam(Weirwood)	0.3 SW,RR E	15	20 S1	73 oct.Trees NE,SE.
Leesburg Airpark	0.7 ESE	280	26 S6	80 oct.Poleline NE.
Lively Int,6,NW-WA	3.4 WSW, riv W	15	34 L3	35 trees,bldgs NW.
Manassas	2.7 NW,RR S	250	21	Pole line SW,SSE
Melia Flgt Strip	1.3 W	48	70h	
Midway (Chester)	2 E,hwy S	178	26 S2	80 oct.20-50' trees E
Milford Int,49B,AG-LG	1.5 S,RR W	134	26 L3	40 trees S,NE,SW
Northfield(Richmond)	3 N,hwy W	197	20 S4	80 oct.
Parksley	0.6 WNW	25	18 S4	80 oct.
(A) RICHMOND AAB(A)	7.3 ESE,RR S	167	50h R3 L5 S4	73,100 oct.
Shannon(Fredericksburg)	1.6 SSE,riv E	50	23 S6	80 oct.
Tappahannock Flgt Strip	0.8 W	30	40h	8000' strip avail.
West Point	2.3 ESE	24	50h S4	80,91 oct.Riv SSW.
Zieger(Warrenton)	3.7 S,hwy NE	440	20 S2	80 oct.Hill W, NW.
WEST VIRGINIA				
(P) Martinsburg	4 S,hwy W	550	50h R1 L5 S6	80, 91,100 oct.
North End (Martinsburg)	2.5 NNE,RR W	515	28 S2	80 oct.Pole line N.
Currell's (Weems,Va)	1 N,jct of rivs		17 S1	80 oct.P-line SE.Use strips only.Data unver.
Harrington (Del.)	1.8 E; RR W	50	25	
Kent (Worton,MD)	1 N; RR S	60	23 S2	80 oct.
Johnson(Ononcock,Va)	1 ESE;RR E	34	22 S1	80 oct.
West Chester (Pa.)	2.5 NE;lake S	470	32 S4	80 oct.
Aberdeen Arpk (Md.)	1 SW		21 S4	80 oct. Data unver.

Hard surfaced runways R radio facilities L lighting facilities S servicing (See page XIII) NC (not charted) ⟶ New or revised data.

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANACOSTIA NAS (Washington	251(142.74)	CN	(3);142.74(7-sunset and on req.)
BOLLING FIELD (Washington	219(126.18) (137.88)+	CA	(3);126.18,137.88
WASHINGTON	332(WA)(116.1)	SBRAZ-VDTX	(3);116.1
Washington Nat'l Arpt.	278(126.18) (118.5)	AC(ILS);25°,0.9	(4);118.5,126.18,131.9
MARYLAND			
ANDREWS FLD (Camp Springs	317(126.18)+	CA	(3);126.18 (OCA)
BELTSVILLE FM	(-)	FM, 41°,17.6	Washington, D. C.
DONCASTER FM	(. . . . . -)	FM, 209°,24.7	Washington, D. C.
PENNSYLVANIA			
BOOTHWYN FM	(- - -)	FM, 260°,9.5	Philadelphia
HOLMESBURG LFM	(- - -)	LFM, 238°,6.5	NE Philadelphia
JOHNSVILLE AIRPORT	203 (142.74)	CN	3105 cont,4495,6210;116.1,126.18, 140.58,142.74 on req (8-1/2 hr past sunset)
MUSTIN NAAF (Philadelphia	251(126.18) (142.74)	CN	(3);126.18,142.74 (7-sunset,other hrs req on request.)
PHILADELPHIA (SW Arpt)	266(PG)(116.1)	SBMRAZ-VDT;97°,3	(4); 116.1
Philadelphia NE Arpt	278	CI	(4)
Philadelphia SW Arpt	278(118.1)	CI	(4);118.1
NE Philadelphia Range (Phil. NE Arpt)	371 (NP)	MLMZ-DT,238°,2.8	
WILLOW GROVE (Navy)	391 (NXX)	MRLZ	(3); 142.74
Willow Grove NAS	356 (142.74)	CN; 241°,3.35	(3);142.74 (days only except on 1 hr advance notice)
WINGS FIELD (Ambler)	278	CI	3105 (9-17)
VIRGINIA			
ALEXANDRIA LFM	(- - -)	LFM,209°,2.4	Washington, D. C.
HERNDON FM	(- - - -)	FM, 317°,21.8	Washington, D. C.
MOUNT VERNON	236 (W)	FMK, 209°,8.2	Washington, D. C.
MOUNT VERNON FM	(. . - - -)	FM, 209°,8.2	Washington, D. C.
QUANTICO (Navy)	203 (NYQ)	MRL2	3105, 4495
Quantico MCAS	3295(142.74)	CN; 20°,4.6	(3); 142.74

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WASHINGTON, D. C.	109.9	333.8	360° Mag.	IM ·····(.03)	MM	OM	--(3.60)
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.

\+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

DISTRICT OF COLUMBIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Anacostia NAS(Washington)	2.4SE Monument	8	60h R1 L5 S4	100 oct. No ban. (N)
(A) Bolling(Washington)(A)	3 SSE Monument	20	60h R1 L5 S6	73,100 oct.JP-1,Ridge E.
(A,N)WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct.JP-1 req. Rdo rec. req.730'Rdo Tvr,6.2 NW. FOREIGN CLEARING STA.

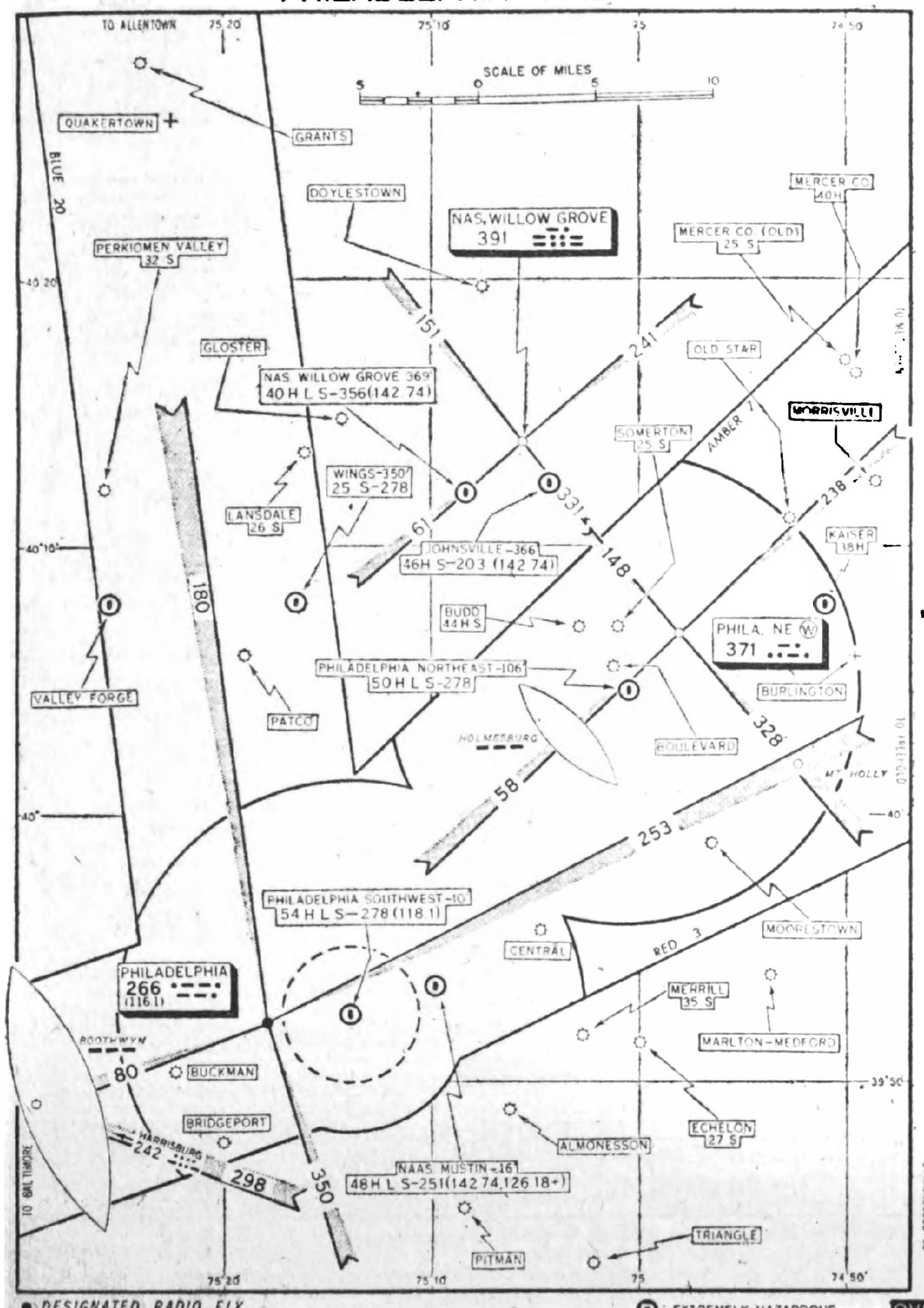
MARYLAND

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Andrews (Camp Spring)(A)	1.5 E	279	55h R1(L6)S4	80,100 oct. JP-1
(N) Beltsville OLP (N)	5 ESE	180	40h	Fld open 0900-1530 daily
Capital (Berwyn)	2 NW; RR E	70	20 S4	80 oct. Pole line S.
College Park	8.5 NE of D.C	50	22 S6	80 oct. Hill SE. RR NW.
Columbia Air Ctr (Croom)	3 E; RR W	40	20	Trees N,NNW
Congressional (Rockville)	2 SSE;hwy E	450	32 S6	80 oct. Pole line E,NE.
Curtis (Brandywine)(NC)	3 SSW;RR E	200	18	Pole line N,W.
Erco (Riverdale)	0.4 NE; RR W	50	38 S1	80 oct. Trees E,NE,SW.

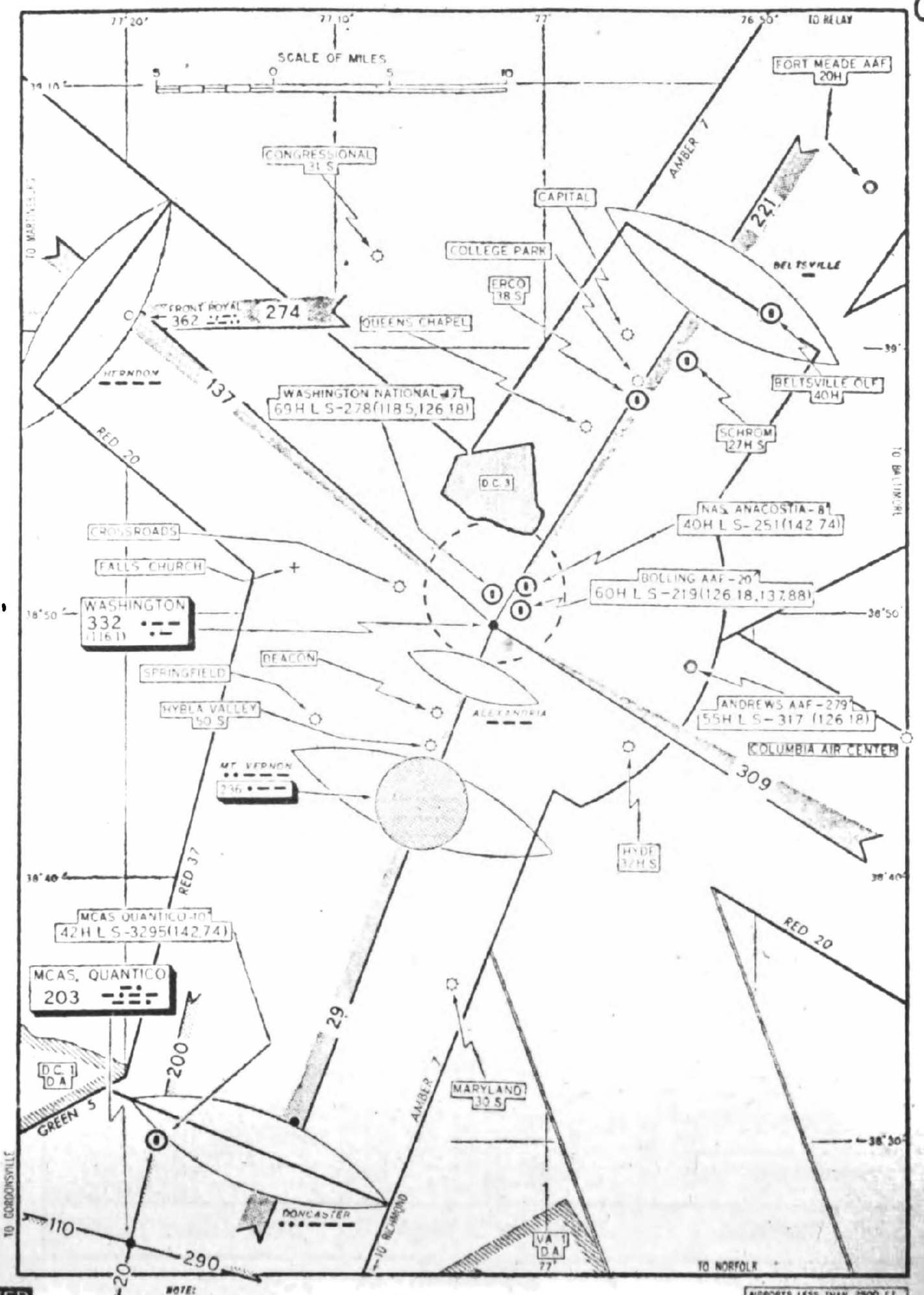
AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(A) Ft. Meade (A)	0.5 NE ctr rec	180	20h	
Hyde (Clinton)	2 WSW	249	32h S6	80,91 oct. Trees WNW,NE.
Maryland (Pomonkey)	0.2 S; RR S	170	30 S1	80 oct.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct.
Schrom (Greenbelt)	0.3 SW; hwy W	177	27h S6	80 oct. Trees NW,SE.
NEW JERSEY				
Almonesson	0.6 NNW	50	18 S6	73 oct. Pole line NNE,SSE.
Bridgeport	0.8 ESE; RR N	23	18 S4	80 oct.
Burlington Airpark	1.7 NE		24 S4	80 oct. No sto.Data unverified.
Central (Camden)	1.8 E;riv S,W	20	25h	Open to private flying.
Echelon (Ashland)	0.5 SE;RR W	100	27 S6	80,91 oct. Pole line NW.
MARLTON-MEDFORD INC (Marlton)	1.5 ENE	80	30 S2	80 oct.
Mercer County,new (Trenton)	5 NW; RR SE	211	40h	
Mercer County, old (Trenton)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Merrill (Barrington)	1 ESE; RR E	70	35 S6	80 oct.No sto.Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 S4	80 oct. Trees N.
Pitman	1.6 NNW;RR E	100	17 S6	80 oct. Pole line S,SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2	80 oct. Pole line SW.
PENNSYLVANIA				
Boulevard (Philadelphia)	12 NE; RR SW	160	22 S4	80 oct. Obst sur fld.
Buckman (Chester)	2.3 WSW;RR NW	90	20 S4	80 oct. No sto.
Budd (Philadelphia)	12.5 NE;RR N	240	44h	
Doylestown	1.5 WNE;RR SW	400	22 S6	80 oct.
Gloster (Montgomeryville)	0.7 SE;hwy W	460	22 S1	80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW; hwy E	600	18 S6	80 oct.
(N) Johnsville	0.8 NW; RR E	366	46h R1 S4	91,100 oct. Res't to Navy.
(N) Kaiser (Bristol)	2 N; riv SE	35	38h	Pole line SW. RESTRICTED.
Lansdale	1.6 ESE;hwy SE	450	26 S6	80,91 oct. No sto. Poles NE.
Morrisville	1.6 W;riv E	180	28 S4	80 oct.
(N) Mustin NAAS (Philadelphia)	4 S; riv S	16	48h R1 L5 S6	100 oct. Pole line NE.NAPC.(N)
Old Star (Langhorne)	2.4 E; RR N	180	24 S5	80 oct.No sto, Poles N,S.
Patco (Norristown)	2.5 SE;bet RRs	200	19 S6	80,90 oct. No sto.
Perkiomen (Collegeville)	1.5 NE;rds NE	280	32 S6	80 oct. Obsts sur fld.
(P) Philadelphia Northeast	12.2 NE;hwy W	106	50h R2 L5 S1	80,91 oct.Rdo req.
SOUTHWEST	6.5 SW;riv SW	10	54h R2 L5 S6	82,91 oct. Rdo rec req.
Somerton (Philadelphia)	14 NE;RR N,E	200	25 S6	80 oct. Poles N,S,W.
Valley Forge (Norristown)	4 WNW;riv NW,SE	250	24 S6	80 oct.
(N) Willow Grove NAS (N)	4 NNW; hwy E	369	40h R2 L5 S4	91,100 oct. No sto.NAPC.NATS.
Wings (Ambler)	3 WSW;rds E,W	350	25 R1 S6	80,91 oct. Trees N,S.
Quakertown	2W; hwy E	511	21 S6	80 oct. Data unverified.
VIRGINIA				
Beacon (Alexandria)	3 SSW;hwy E	240	24 L1 S6	80 oct.No sto. Pole line S.
Crossroads (Alexandria)	4.5 NW;RR E	250	20 S1	Ltd 80 oct.
Falls Church Airpark	1.9 SW	350	26 S6	No sto. Data not verified.
Hybla Valley (Alexandria)	4.5 SSW;hwy E	66	50 S6	80 oct. Trees,pole lines sur fld.
(N) Quantico MCAS (N)	1.2 SSW;RR W	10	42h R2 L5 S6	73,91,100 oct. NATS.
Springfield (Annandale)	3.5 SSE;RR E,W	240	20 S4	80 oct. No sto. Obsts sur fld.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

PHILADELPHIA AREA



WASHINGTON AREA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ EXTREMELY HAZARDOUS

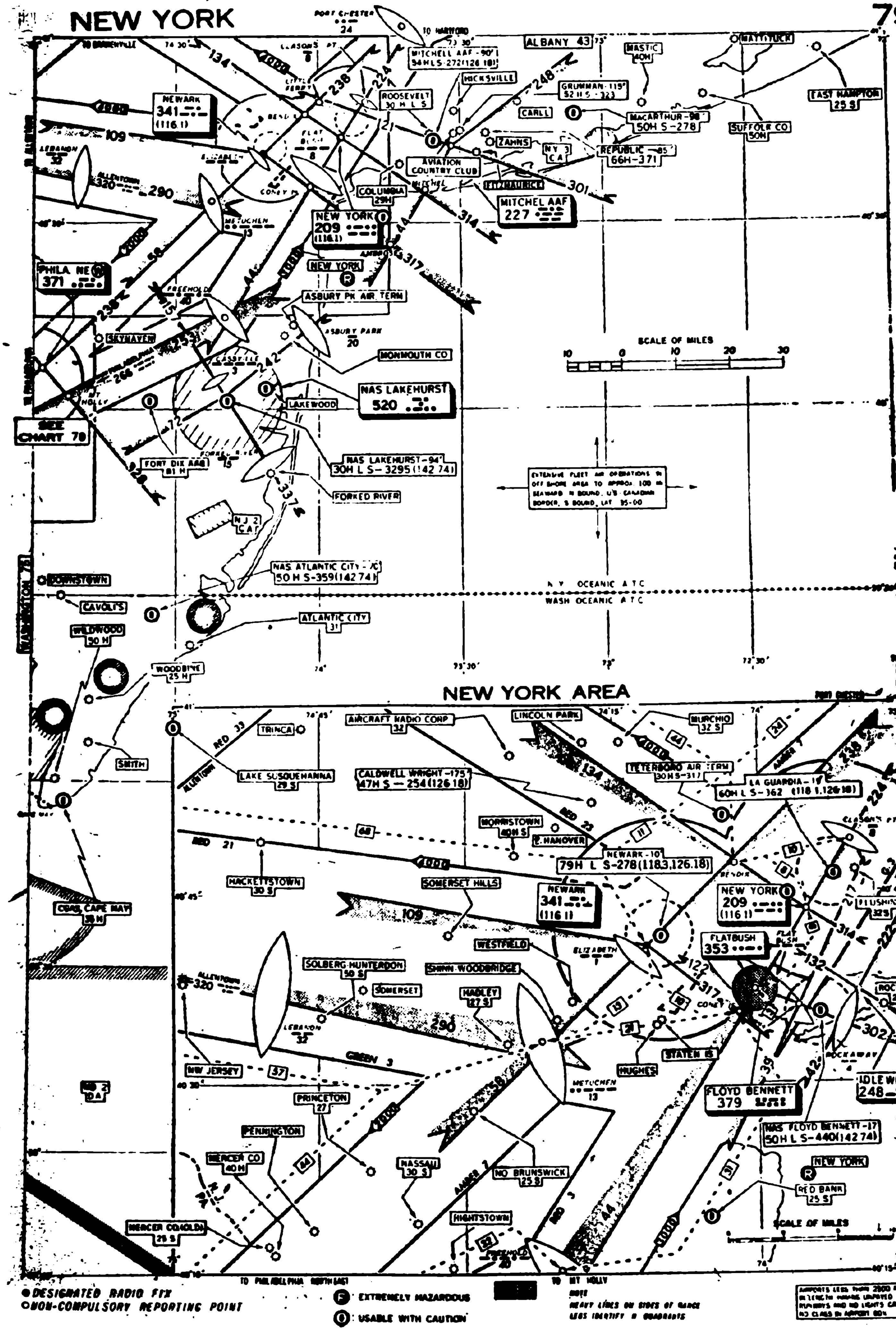
Ⓤ USABLE WITH CAUTION

OVER

NOTE:
HEAVY LINES ON SIDES OF [illegible]
[illegible]

AIRPORTS LESS THAN 2500 FT. IN LENGTH HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX

NEW YORK


ALBANY 43
MASTIC 40H
MAYFLOWER
EAST HAMPTON 25 S
MITCHELL AAF - 90'
94H LS-272(126 18)
HICKSVILLE
GRUMMAN - 115'
52 H S - 323
ROOSEVELT 30 H L S
CARLL
MACARTHUR - 98'
50H S - 278
SUFFOLK CO 50H
ZAHNS
NY 3 CA
REPUBLIC - 85'
66H - 371
AVIATION COUNTRY CLUB
COLUMBIA 29H
MITCHEL
FRANKLIN SQ
MITCHEL AAF 227
NEWARK 341 (116.1)
LEBANON 32
ALLENTOWN 320
NEW YORK 209 (116.1)
METUCHEN 13
PHILA NE 371
ASBURY PK AIR TERM
ASBURY PARK 20
SKYHAVEN
MONMOUTH CO
CASSVILLE 3
NAS LAKEHURST 520
LAKEWOOD
SEE CHART 78
FORT DIX AAF 81 H
NAS LAKEHURST - 94'
30H L S - 3295 (142 74)
FORKED RIVER
NJ 2 CA
NAS ATLANTIC CITY - AC
50 H S-359(142 74)
DOWNSTOWN
CAVOLTS
ATLANTIC CITY 31
WILDWOOD 50 H
WOODBINE 25 H
SCALE OF MILES
10 0 10 20 30
EXTENSIVE FLEET AIR OPERATIONS IN OFF SHORE AREA TO APPROX 100 m SEAWARD N BOUND, U/S CANADIAN BORDER, S BOUND, LAT 35-00
N Y OCEANIC A T C
WASH OCEANIC A T C
NEW YORK AREA
AIRCRAFT RADIO CORP 32
LINCOLN PARK
BURCHIO 32 S
TRINCA
RED 33
LAKE SUSQUEHANNA 29 S
CALDWELL WRIGHT - 175' 47H S — 254 (126 18)
PETERBORO AIR TERM 30 H S-317
LA GUARDIA - 19' 60H L S - 362 (118 1, 126 18)
MORRISTOWN 40H S
E. HANOVER
RED 23
RED 21
NEWARK - 10' 79H L S-278 (1183, 126.18)
MACKETTSTOWN 30 S
SOMERSET HILLS
NEWARK 341 (116 1)
NEW YORK 209 (116 1)
FLUSHING 32 S
CAPE MAY 38 H
WESTFIELD
ELIZABETH
FLATBUSH 353
SOLBERG-HUNTERDON 50 S
SOMERSET
SHINN WOODBRIDGE
HADLEY 27 S
ROCKAWAY 22 S
STATEN IS
HUGHES
NW JERSEY
37
PRINCETON 27
METUCHEN 13
FLOYD BENNETT 379
IDLE WILD 248
NAS FLOYD BENNETT - 17' 50 H L S-440 (142 74)
PENNINGTON
MERCER CO 40 H
NASSAU 30 S
NO BRUNSWICK 25 S
NEW YORK
RED BANK 25 S
HIGHTSTOWN
MERCER CO (OLD) 25 S
SCALE OF MILES
TO PHILADELPHIA NORTH EAST
TO MT HOLLY
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
HEAVY LINES ON SIDES OF AIRWAYS USES IDENTIFY 8 BOUNDARIES

NEW JERSEY

LOCATION	FREQ.IDENT	STA. CLASS, BEAR. & DIST.	FREQS.GUARD HRS OF OPER. REMARKS
ASBURY PARK FM	(-)	FM, 620.20	Lakehurst NAS
ATLANTIC CITY NAS	359 (142.74)	CN	(3); 142.74(8-Sunset)
CALDWELL-WRIGHT	254 (126.18)	CI	(4);126.18(8:30-sunset,Mon.-Sat.9-sunset Sun.)
CASSVILLE FM(Navy)	(- - - -)	FM,337o,3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°,1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM,157°, 15	Lakehurst NAS
FREEHOLD FM	(- - - -)	FM,224°, 40	New York, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295(142.74)	CN, 157°, 0.7	(3), 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
METUCHEN FM	(. - - -)	FM, 238°, 13	Newark
NEWARK	341(NK)(116.1)	SBRAZ-VDT	(3);116.1
Newark Airport	278 (126.18) (118.3)	AC (ILS); 58°,1.0	(4);121.9,126.18 118.3
→ TETERBORO (Bendix)	317	CI	3105.6210,3117.5

NEW YORK

CLASON'S POINT LFM	(-)	LFM, 44°, 7.5	New York
FLATBUSH	353 (F)	FMK, 224o,8.3	New York
FLATBUSH FM	(- - -)	FM,224°, 8.3	New York
FLOYD BENNETT (New York)	379 (FB)	SBMRLZ-DT	(3)
Floyd Bennett Fld NAS	440 (142.74)	CN, 122°, 1.9	(3);142.74(8-17) (GCA)
GRUMMAN (Bethpage L. I.)	323	CI	(8-1630,Mon.-Fri.)
IDLEWILD	248 (NY)	SMRLW,72°,2.3	
→ LA GUARDIA(N.Y.)	362 (126.18, 118.1)	AC (ILS)	(4),126.18, 118.1 & Airline freqs.
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 week days,ngt & Sun.if important)
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAP2-DT	(3)
Mitchel Field	272 (126.18)+	CA (ILS),301°,3.2	(3), 126.18
NEW YORK (La Guardia)	209 (LG) (116.1)	SBMRAPZ-VDTX, 44°,3.4	(3), 116.1
PORT CHESTER FM	(. - -)	FM, 44°, 24	New York
REPUBLIC FIELD (Farmingdale)	371	CI	(3) (days)
ROCKAWAY PARK LFM	(- -)	LFM, 122o, 5	Floyd Bennett

PENNSYLVANIA

PHILADELPHIA NORTHEAST	371 (NF)	MLWZ-DT; 238°,2.8	

INSTRUMENT LANDING SYSTEMS: Localizer and G.P. in mcs. Compass Locators in kcs.

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE	PLUS COMPASS LOCATORS
LA GUARDIA, NEW YORK	109.9		44°Mag	IM (.05)	MM (.81) OM (3.45)
→ MITCHEL (LG) NEW YORK	110.3	335	300°Mag	IM (.06)	MM (.81) OM (4.03) MMR 233 --- (.81) OMR 257 -- (.81) OMR 201 --- (4.03)
→ NEWARK, N.J. (LS)	109.5	332.6	58°Mag	IM	MM (.59) OM (3.8) MMK 201 --- (.59) OMK 219 -- (3.8)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aero-Marine Terminal (Keyport)(NC)	1 NE;RR S	10	15	Bldg SW.Hwy S
Acft. Radio Corporation (Boonton)	2.6 N;riv S	550	22	Poles N,E. PRIVATE.
Asbury Park Air Terminal	4.5 W,rd N	100	21 S4	80 oct.125 tank E.
Atlantic City	1.3 WSW,RR N	11	31 S2	80,91 oct. Ltd sto. 350 tank E.lgtd.
(H)Atlantic City NAS(N)	10 NW;RR NE	70	50h R1 L5 S4	91,100 oct. Lgts prior req.
Caldwell-Wright	2.4 N,riv N	175	47h R1 L1 S1	Rest'd factory oper
CG Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED
Cavoli's(Richland)	1.5 W,RR NE	100	20 S4	80 oct.Poleline NNE No sto.
(N)Clarke(Ocean City)	2.8 SW;RR SE	8	23	Naval tow target practice.
Coyle (Chatsworth)	6 ESE,hwy NE	190	18	(NC)
Downstown(Landisv'l)	1.8 WNW,RR S	120	23 S1	80 oct.Poleline N.
Forked River	1 ESE,riv S	12	18 S4	80 oct.Rnwy data not verified
(A)Ft.Dix AAB (Wrightstown) (A)	1 SE	120	81h	INACTIVE.
Hackettstown	2 SSW;RR N	560	30 S2	73, 80 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80 oct.
Hightstown & Air Svc.	1.3 SW;RR W	110	19 S6	80 oct.
(N)Lakehurst NAS (LTA)	1 NNW;riv N	94	38h R2 L5 S4	91, 100 oct. (N)
Lake Susquehanna (Blairstown)	2.3 WSW,RR S	380	28 S6	50 oct.
Lakewood	2.5 SE,lk NW	26	S4	80,91 oct. Data unver.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Poleline SE, N
Mercer Co.(Trenton) (new)	5 NW;RR SE	211	40h	
Mercer Co.(Trenton) (old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co.(Belmar)	5.5 W;rd E	180	30 S5	80 oct.
Morristown	3 E;RR N	187	40h L5 S4	80 oct.No sto.
Murchio (Paterson)	4.5 WNW;rd N	350	32 S4	80 oct.Trees N
Nassau Arpk.(Clarksville)	1 NE;RR SE	80	30 S4	80 oct.Pwrline SSE
(A)NEWARK →	3.5 SSE;RR E	10	79h R3 (L5)S1	80,91,100 oct.]P-1.No sto.2-way rdo req.FE.
North Brunswick	2 SW;RR E	120	25 S2	No fuel.Poles ENE,
Northwest Jersey (Clinton)	3.5 W;RR S	380	19	Poles N,S. ESE.
Ocean Co.(Adamston) (NC)	1 SW;riv N	14	21	Obsts sur fld.
Pennington	2 ESE;RR W	230	20 S6	80 oct.No sto.Pole line ESE.
Princeton	3 N;riv E	160	27	Poleline E,ESE.
Red Bank	1 S;RR E	80	25 S6	80,91 oct.Poleline W
Shinn-Woodbridge (Woodbridge)	3.9 NW;RR E	120	21 L S4	73,80 oct.Poleline SE.
Smith C.H.(Cape May)	2.2 NE;RR W	20	19	Pole line WNW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	50 L S6	80, 91 oct. Unverified.
Somerset Hills (Basking Ridge)	1.6 SE,RR S	250	24 S6	80 oct.Pole line W.
→ Teterboro-Air Terminal (Bendix)	0.5 SW;RR NW	5	30h R1 L4 S6	80,91 oct.No bndry lgts Rnwy data unver.
Trenton (NC)	6 NE;RR I SE	70	15	Rest'd to USFS.
Tfinca (Andover)	2 WSW;RR E	600	24 S6	73 oct.
Westfield (Rahway)	2 W;lake N.	100	24 S4	80 oct.No sto. Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h	Obsts S.
(P)Woodbine	2 SE	39	25h	Trees sur fld. At jct RRs.

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bender's-Brentwood (Brentwood)(NC)	1 ENE,RR N	85	10	CAUTION - Construction.
Carll Skyport (Commack)	1 S,RR N,S	140	24 S1	80 oct.Trees S,SE.
Columbia (Valley Stream)	1 SW,RR N	15	29h	
Davis Flight Strip (Bayport)(NC)	1.3 NNW,RR S	40	22	
Deer Park (NC)	0.8 ESE,RR N	75	10	Trees adj E.Pole line W.
Donovan Hughes (Greenridge)	1 N,crks S,W	10	17 S1	80 oct.
East Hampton	2.5 W,RR S	40	25 S4	80 oct. No sto.
Fitzmaurice (Massapequa)	1.5 ENE,RR S	36	14 S6	80 oct.No sto.Trees N,S
(N)Floyd Bennett NAS (New York)(N)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto,No ben.
Flushing	1.5 NNW,pkwy E	4	32 L S4	80 oct. Pole line W,SW. Port.rnwy lgts prior req.
Grumman (Bethpage)	0.5 W,RR NE	115	54h R1 S5	91,100 oct.Poles SW,SE.
Hicksville Airpark	2.4 N,RR E	190	20 S4	80 oct.Rnwy data unver.
(N) LA GUARDIA (New York)	5 E,riv N	19	60h R3 L6 S1	73,100 oct. Rdo rcv rqrd FEE.
(P)MacArthur (Islip)	8 NE,RRs N,S	98	50h R1 L5 S1	91 oct.All lgts prior req. Rdo rqrd.
Mastic Flight Strip	2.6 NW	66	40h	
Mattituck	0.8 ESE,bay S	12	25 S6	80,91 oct.Poles N.
(A)Mitchel (Hempstead) → (A)	0.5 NE,RR N	90	54h R3 (L6) S6	73,91,100 oct.]P-1. FOREIGN CLEAR.STN.
Nassau (Hempstead)	4.5 E,hwy N	80	21	
Republic (Farmingdale)	1.3 ENE,RR N	85	66h R1 L5	NE blocked. Closed ngts. trans. PRIVATE.
Richmond Co.(Travis)(NC)	0.5 SW,riv W	10	24	160' chimney SW
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct. Pwr line S,SE Port rnwy lgts.
Roosevelt (Mineola)	1.6 ESE,RR N	90	30h L3 S5	80,91,100 oct.Wires NE
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S,rd W	40	22 S4	80 oct.Pole line SW
Suffolk Co.(Westhampton Beach)	2.6 N	69	50h	
Zahns(Amityville)	2.5 NNE,RR NE	80	22 S6	80 oct.Pole line SW.

PENNSYLVANIA

Skyhaven Aircenter (Morrisville)	1.2 SSE,RR W	25	26 S4	80 oct.
East Hanover (N.J.)	1 N	170	15 S2	80 oct. Pole line W.
Somerset (Somerville, N.J.)	4.6 NW,RR SE	105	20 S5	80,91 oct. Trees W.

h-Hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA.

I O — CALIFORNIA

LOCATION	FREQ. IDENT.	STA. CLASS, BEAR. & DIST	FREQS GUARDED, HRS OF OPER., REMARKS
BANNING FM	(-)	FM, 76°,25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°,41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (San Bernardino Co.)	365(DG)(116.1)	SBRAZ-VDT, 149°, 0	(4); 116.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°, 16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°, 42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, 118.3)	AC	(4); 126.18, 118.3, 131.9
LONG BEACH	233(HB)(116.1)	SBMRLZ-VDT, 298°, 3.9	(3); 116.1
LOS ANGELES	260 (LA)	SBRAZ-DTX, 244°, 3.8	(3)
➤ LOS ANGELES	109.1(LA)	VARW	
MARCH FIELD (Riverside)	201 (126.18)+	CA	(3); 126.18
MIRAMAR MCAS (San Diego)	3295(142.74)	CN	(3); 142.74 (GCA)
MOJAVE NAS	3295(126.18, 142.74)	CN	(3); 126.18, 142.74
MT. LAGUNA	254(TN)(116.1)	MHVT	(4); 116.1
➤ MUROC (Army)	350(DUC)	BMRL	
Muroc AAF	219 (126.18)	CA, 64°, 2.2	(3); 126.18
NEWHALL (Int.)	209(NH)(116.1)	SBMRL-VDT, 317°, 0.1	(4); 116.1
OCEANSIDE	326(OC)(116.1)	MHVT	(4); 116.1
OCEANSIDE FM	(- - - -)	FM, 325°, 34	San Diego
PALMDALE	332(PA)(116.1)	SBMRAZ-VDT, 216°, 2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105; 142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Field)	386(RV)(116.1)	SBMRAZ-VDT, 128°, 2.9	(4); 116.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
SAN CLEMENTE ISLAND NAAS	3295(142.74)	CN	3105, 4495; 142.74
SAN DIEGO (Lindbergh Field)	224(SQ)(116.1)	SBRAZ-VDT, 139°, 2.3	(3); 116.1
San Diego NAS	266 (142.74)	CN	(3); 126.18, 142.74 (GCA)
San Diego NAS (Seaplane)	2870	CN	
TRONA (Int.)	323 (EW)	SBMRAZ-DT, 349°, 11	(4) Not manned cont.
VICTORVILLE AAF	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice W-Without Voice. Z VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs. (4)-3105, 4495 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice

+ - Army A.C.S. transmits on and guards 116.1, 137.85, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S, hwy E	2470	25 L S2	Ltd 73 oct. Port rnwy lgts
Arlington (Riverside)	4.5 WSW, RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE, RR N	2190	52h L5 S5	80, 91 oct. No sto.
Barnes (Rosamond)	12 E, rd N	2300	38	(NC)
Barstow	1.8 N, hwy S	2150	24 S6	80 oct.
Big Bear City	0.5 NW, hwy S	6850	24	
Borderland (San Ysidro)	1.5 WNW, RR W	80	18 S6	80, 91 oct. No sto. Pole line SE.
Boron	0.5 NE, RR S	2550	21 S1	80 oct. Poles E. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xxiii) NC (not charted). ➤ NEW OR REVISED DATA

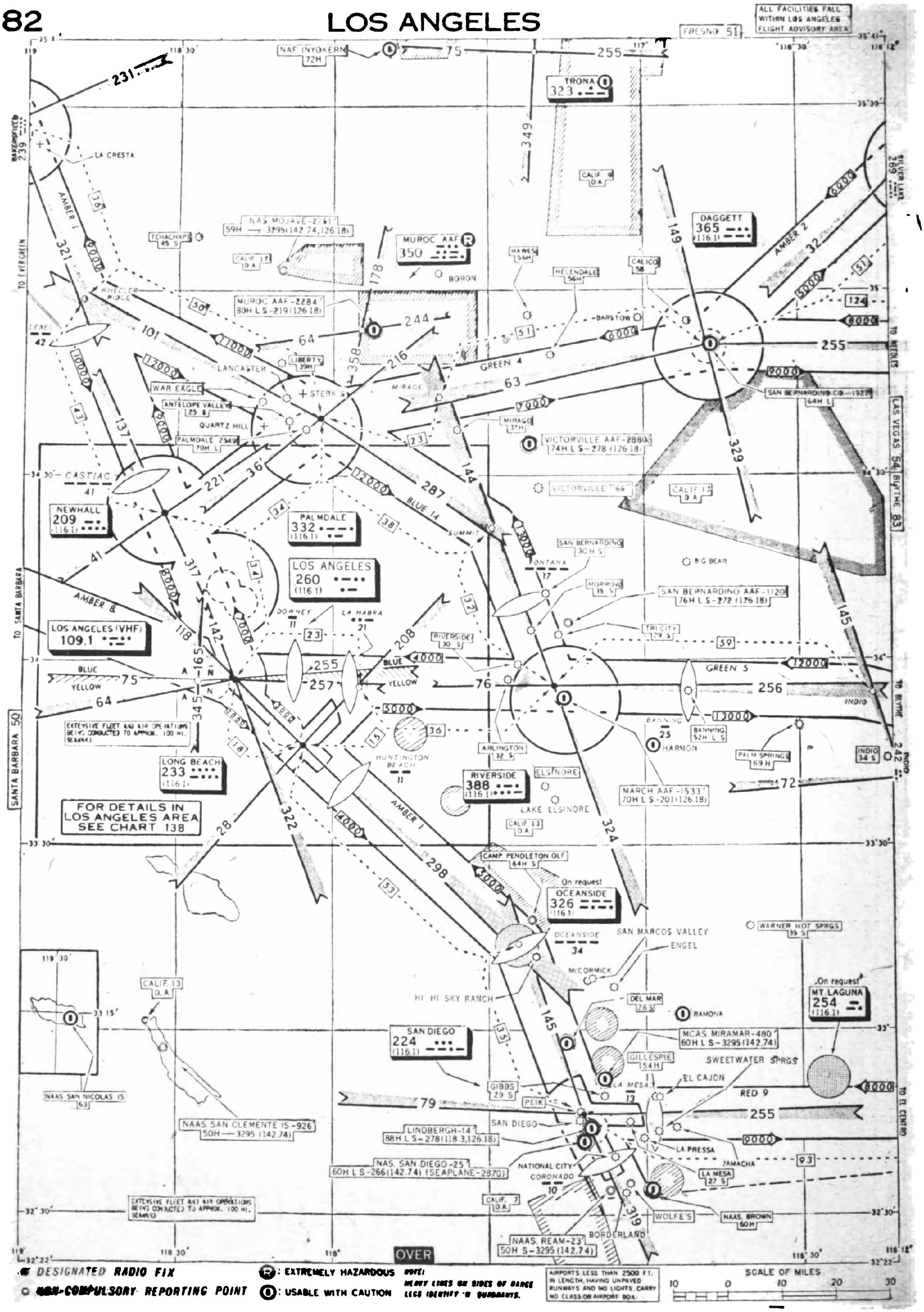
CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Brown NAAS (Otay) (N)	5.5 ESE	523	60h	INACTIVE.
Buffalo Springs (Avalon) (NC)	7 NW	1560	35	On Catalina Island. PRIVATE.
Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
(N) Camp Pendleton OLF (Oceanside) (N)	6 NNE, RR SE	75	64h L S1	NATS.
(N) Castle OLF (San Clemente Island) (N)	On NW end San Clemente Isl.	163	20	(NC)
(N) Clark's Dry Lake OLF (Salton Sea) (N)	25 W of ctr.	450	50	On W portion Dry Lake (NC)
Del Mar	1.1 NNE	11	26 S1	80, 91 oct. 1000' paved rnwy. Data unver.
El Cajon	2.5 N, hwy W	450	23 S6	80, 91 oct. No sto.
Elsinore	1 SSE, RR N	1256	26 S4	80 oct. No sto. Hills NW.
Engel (Escondido)	1.5 W, RR N	630	19 S4	73, 91 oct. No sto. Trees SE, hill NW.
Gibbs (San Diego)	7 NNE, hwy W	405	29 S4	87 oct. No sto. Poles NE, E
Gillespie (Santee)	1 SSW, rd E	385	54h	Towers W.
Harmon (San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto.
Hawes (Victorville)	27.5 N, RR N	2319	56h	
Hi Hi Sky Ranch	1.5 ENE, RR S	48	18 S6	80, 91 oct. No sto. Trees NE, SW.
Helendale (Victorv'l)	20 N	2508	56h	
Indio	0.8 NNE, RR SW	-12	34 S4	80 oct. No sto. Pwr line W
(N) Inyokern NAF (N)	0.5 WNW, RR E	2455	72h	INACTIVE.
Jamacha (La Mesa)	6.8 ESE, riv N	520	18 S6	80, 91 oct. Hills E.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80, 91 oct. Data unver.
Lake Elsinore (Elsinore)	4 SSE, lk W	1252	15 S4	80 oct. No sto.
Lakeside				ABANDONED.
La Mesa	2 WSW, hwy N	500	27 S4	80 oct. Pole line SSE.
Lancaster	0.5 NW, RR E	2330	22 S4	73 oct. No sto. Poles E, S
La Pressa (La Mesa)	4 S, hwy W	275	19 S4	80 oct.
Liberty (Rosamond)	4.1 S, RR E	2300	39h	
(A) LINDBERGH (San Diego)	2 W	14	68h R2 L5 S6	80, 91 oct. Rdo required. ARPT OF ENTRY.
(A) March (Riverside) (A)	8.8 SE, RR SSW	1533	70h R2 L5 S6	62, 73, 91, 100 oct. JP-1. FOREIGN CLEAR STN
McCormick (San Marcos)	1.5 WSW, RR N	550	21 S5	80, 91 oct. Poles E.
Mirage (Victorville)	18 WNW, rd S	2865	37h	
(N) Miramar MCAS (San Diego) (N)	9.5 N	480	60h R1 L5 S4	91, 100 oct. No bcn.
(N) Miramar OLF (San Diego) (N) (NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N)	0.7 E, hwy W	2751	59h R1	C-L-O-S-E-D.
Morrow (Rialto)	1.8 S, RR N	1100	35 S5	80, 91 oct. Pwr line W.
(A) Muroc AAF (A)	2 S, dry lake N	2284	80h R2 L5 S6	73, 91, 100 oct. JP-1. No sto. CLOSED.
National City	1.1 SSE, RR W	10	22 S4	80 oct. Poles, stack NW.
(P) Palmdale	3 NE, RR W	2549	70h R1 L5 S2	91, 100 oct.
(N) PALM SPRINGS	2.5 E, RR NE	448	69h L5	Lgts prior req.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct. No sto. Twr SE.
Quartz Hill (Lancaster)	6.5 SW	2450	29 L S1	80, 91 oct. Port rnwy lgts. Data unver.
Ramona	0.6 WNW,	1440	15 S1	80 oct. Road NE.
Randsburg (NC)	1.8 NE, rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W	23	50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N) (NC)	6 N, RR W	400	15	
Ryan (Hemet) (NC)	2.5 WSW	1502	23	RR SE.
➤ San Bernardino	4.7 NNW, RR W	1425	30h L S6	80, 91 oct. Port rnwy, obst lgts prior req. Rnwy data
(A) San Bernardino AAF (A)	3.5 ESE, RR SW	1120	76h R1 L5 S6	62, 73, 91, 100 oct, unver. JP-1
➤ San Bernardino Co. (Daggett)	5 E, RR S	1927	64h R1 L3	
(N) San Clemente Island NAAS (N)	8 S of N end	926	50h R1	INACTIVE.
San Diego	5 NW, bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1 L5 S6	91, 100 oct. NAFC.
San Marcos Valley (San Marcos)	1 W, RR, hwy S	530	19 S4	80 oct. No sto. Hill NE

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) San Nicolas Island NAAS (N)	On E end Isl.	502	63	INACTIVE.
Sweetwater Springs Airanch (La Mesa)	4.2 SE, hwy N	475	22 S1	80, 91 oct. Fence E.
Tehachapi	1 N, RR S	3952	45 L S2	73, 91 oct. Range lgts. Pole line SE.
Tri-City (San Bernardino)	3.3 SSE, RR S	1015	29 L S4	91, 80 oct. Poles SE, W. Port rnwy lgts.
(A) Victorville AAF (A)	6 NW, RR E	2880	74h R1 L5 S5	100 oct.
Victorville "66"	5.2 SSW, RR E	3225	32 S4	80 oct. No sto.
➤ War Eagle (Lancaster)	5 W, hwy N	2348	31	
Warner Hot Springs	3 W, hwy NE	3140	35 S1	Ltd 80 oct. Trees E, S
Wolfe's Arpk (Otay)	1.2 SE, RR W	220	30 S1	80, 91 oct. Hills SE.
➤ Stork's Ranch (Lancaster)	2.5 ENE		30 S1	80 oct. Data unver.

LOS ANGELES


ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA
FRESNO 51
NAF INYOKERN 72H
TRONA 323
DAGGETT 365 (116.1)
BAKERSFIELD 239
LA CRESTA
TEHACHAPI 45 S
NAS MOJAVE-2761' 59H — 3295(142.74,126.18)
MUROC AAF 350
BORON
HAWES 56H
HELENDALE 56H
CALICO 58
MUROC AAF-2284' 80H L S-219(126.18)
BARSTOW
LANCASTER
LIBERTY 39H
WAR EAGLE
ANTELOPE VALLEY 25 S
QUARTZ HILL
PALMDALE 2540' 70H L
STERK
MIRAGE
GREEN 4
SILVER LAKE 269
SAN BERNARDINO CO-1927' 64H L
MIRAGE 37H
VICTORVILLE AAF-2880' 74H L S-278 (126.18)
CASTIAC 41
NEWHALL 209 (116.1)
PALMDALE 332 (116.1)
BLUE 14
SUMMIT
VICTORVILLE "66"
CALIF 17 D.A
LOS ANGELES 260 (116.1)
SAN BERNARDINO 30H S
FONTANA
BIG BEAR
MORROW 35 S
SAN BERNARDINO AAF-1120' 76H L S-272 (126.18)
LOS ANGELES (VHF) 109.1
DOWNEY 11
LA HABRA 21
RIVERSIDE 30 S
TRI CITY 29 S
GREEN 5
INDIO
BANNING 25
BANNING 52H L S
HARMON
PALM SPRINGS 69 H
INDIO 34 S
BLUE YELLOW
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD
LONG BEACH 233 (116.1)
HUNTINGTON BEACH 11
ARLINGTON 32 S
RIVERSIDE 388 (116.1)
ELSINORE
LAKE ELSINORE
MARCH AAF-1533' 70H L S-201(126.18)
FOR DETAILS IN LOS ANGELES AREA SEE CHART 138
CAMP PENDLETON OLF 64H S
On request
OCEANSIDE 326 (116.1)
OCEANSIDE 34
SAN MARCOS VALLEY
ENGEL
WARNER HOT SPRGS 35 S
McCORMICK
HI HI SKY RANCH
DEL MAR 26 S
RAMONA
On request
MT. LAGUNA 254 (116.1)
SAN DIEGO 224 (116.1)
MCAS MIRAMAR-480' 60H L S-3295(142.74)
GILLESPIE 54H
SWEETWATER SPRGS
EL CAJON
LA MESA 13
GIBBS 29 S
PEIK
RED 9
SAN DIEGO
LINDBERGH-14' 88H L S-278(118.3,126.18)
LA PRESSA
JAMACHA
NAS. SAN DIEGO-25' 60H L S-266(142.74) (SEAPLANE-2870')
NATIONAL CITY
CORONADO
LA MESA 27 S
CALIF. 7 D.A
WOLFE'S
NAAS, BROWN 60H
BORDERLAND
NAAS. REAM-23' 50H S-3295(142.74)
CALIF. 13 D.A
NAAS SAN NICOLAS IS 63
NAAS SAN CLEMENTE IS.-926' 50H — 3295 (142.74)
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD
TO EVERGREEN
TO SANTA BARBARA
TO MEDLEY
LAS VEGAS 54
BLYTHE 83
TO BLYTHE
TO EL CENTRO
INDIO
SANTA BARBARA 50
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'B' QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT BDY.
SCALE OF MILES
10 0 10 20 30

BLYTHE

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA

LAS VEGAS 54

TWENTY-NINE PALMS 40H

CALIF. 18 D.A

RICE 55H

PARKER 32

ECHETARRIA 40H

AGUILA 45H

PALM SPRINGS 69H

DESERT CENTER 38 L S

DESERT CENTER 50H

CALIF ARIZ

GARY-392' 29H

CONNER 38

TONOPAH 34 L

INDIO 34 S

THERMAL 50 H

INDIO 242 (116.1)

PORT MECCA

SHAVERS SUMMIT 60H

HARVEY

HERON 27 S

PERRYVILLE

SALOME 41 L

GREEN 3

WHITE TANK

SALTON SEA 40

BLYTHE 70H

BLYTHE 251 (116.1)

GILA BEND 257 (116.1)

CALIF. 4 D.A

CALIPATRIA

BRAWLEY 30 S

D'CONNELL

LAGUNA 50H

NAS. EL CENTRO -(-43') 69H L S-317 (142.74)

IMPERIAL CO. 32 S

CALIF. 12 D.A

RED 9

DATELAN AAF 66H

GILA BEND NO 5 37H

GILA BEND AAF-850' 62H L

MARSH 40 S

YUMA 230 (116.1)

GILA BEND NO 6 37H

WELLTON

HOLTVILLE 60H L S

EL CENTRO 212 (116.1)

On request MT. LAGUNA 254 (116.1)

CALEXICO 28 S

SOMERTON 30 S

FLY 65H S

GILA BEND NO 4 37H

AJO AAF 64H L S

ARIZ 1 D.A

JACUMBA HOT SPRINGS OLF 25

ARIZ MEXICO

TO CASA GRANDE

LOS ANGELES 82

PHOENIX 86

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

(R): EXTREMELY HAZARDOUS
(D): USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

RADIO — ARIZONA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-VDT,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA	230(UP)(116.1)	SBMRAZ-VDT,165°,5.8	(4); 116.1
BLYTHE	251(YH)(116.1)	SBMRAZ-VDT,268°,4.1	(4); 116.1
EL CENTRO	212(MB)(116.1)	SBMRLZ-VDT	(4); 116.1
El Centro NAS	317 (142.74)	CN, 320°, 3.5	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	242(IN)(116.1)	BMRLZ-VDT	(4); 116.1
MT. LAGUNA	254(TN)(116.1)	MHVT	(4); 116.1

S-Simul Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aguila	1.5 NNW	2000	45h	
(A) Ajo AAF (A)	6 N,RR NE	1434	64h	C-L-O-S-E-D
Conner (Quartzsite)	0.3 SSW,hwy N	850	38	150' hill S.
(A) Datelan AAF	4 W Aztec	450	66h	INACTIVE. RR S.
Echeverria (Wickenburg)	14.8 WSW,RR N	2380	40h	
(A) Gila Bend AAF (A)	4 S,hwy W	850	62h R1 L5	
(A) Gila Bend #4 (A)	18 SSW	1000	37h	INACTIVE.
(A) Gila Bend #5 (A)	15.3 SW	800	37h	INACTIVE.
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	INACTIVE.
Laguna Landing Strip (Laguna)	6.5 NE	500	50h	
Marsh (Yuma)	0.7 E,RR W	130	40 S1	80 oct.
Parker	1.4 ENE;RR W	430	32 S2	No fuel. Fld rough. RR S.
Salome (NC)	0.7 S,hwy N	1876	45	15' poles NW.
★ Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi. E,3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,riv E	2000	24	Trees SSE.
Smiley (Wellton)	13 E,RR S	250	26	Poles SW, NE. (NC)
Somerton	3 ENE,RR W	250	30 S3	80 oct. No sto.
★ Tonopah Int,31, LA-PH	5 NNE Wintersburg	1102	34 L2	
Wellton	0.5 NW,RR S	225	24 S2	73,80 oct.

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Blythe	7 W,hwy S	397	70h R1	C-L-O-S-E-D
(N) Borego Hotel OLF (Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
Brawley	1.3 NE,RR W	-120	30 S6	80 oct. Poles SE,E. OF ENTRY
Calexico	1.2 W,riv N	0	28 S6	80,91 oct. Data unver. ARPT
Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto. 35' poles all zones.
(N) Clark's Dry Lake OLF (Salton Sea)	25 W of center	450	50	On W portion Dry Lake. (N) (NC)
(N) Coyote Wells OLF -North (El Centro)	21 NW	300	26	(N) (NC)
(N) Coyote Wells OLF -South (El Centro)	21 WSW	300	25	(N) (NC)
Desert Center	2.5 NE,rd NW	555	50h	
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck)
(N) EL CENTRO NAS	7 WNW,RR S	-43	69h R2 L5 S4	91, 100 oct. No sto (N)
Gary (Blythe)	5 NNW,RR N	392	29h	
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct. No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S1	73 oct. Poles N. only
Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct. Poles SE. No bcn. Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct. No sto. Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF (Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		17 S6	80 oct. Data unver.
(N) PALM SPRINGS	2.5 E,RR NE	448	69h L5	Lgts prior req
Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
Shavers Summit (Indio)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W.
Thermal	1.8 SW,hwy W	-117	50h	
Twentynine Palms	4.8 N	1768	40h	
Fly (Yuma,Ariz.)	4.5 SSE. RR N	213	65h R1 L S2	80 oct. Ltd sto. Bndry lgts prior req.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(CJ)(116.1)	SBMRAZ-VDT,256°,2.3	(4); 116.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3) +	C	(3); 116.1,126.13,118.3,131.9
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3), 142.74 (0730 to sunset)
LUKE (Phoenix)(Army)	219(DRM)	MRLZ	(3)
Luke Field	396 (126.18) +	CA, 163°, 8.2	(3); 126.18
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-VDT,261°, 2.3	(3); 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4),116.1,140.1 126.18,118.5, 131.9
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-VDT,307° 3.28	(3), 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18
NEW MEXICO			
RODEO (Int.)	254(RH)(116.1)	BMRLZ-VDT,24°,0	(4); 116.1

S Simul Range and Voice. W Without Voice. Z VHF Range Station Location Marker. (3) 3105 4495 6210 kcs. (4) 3105 4495 6210 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army ACS transmits on and guards 116.1, 137.88 140.58 mcs

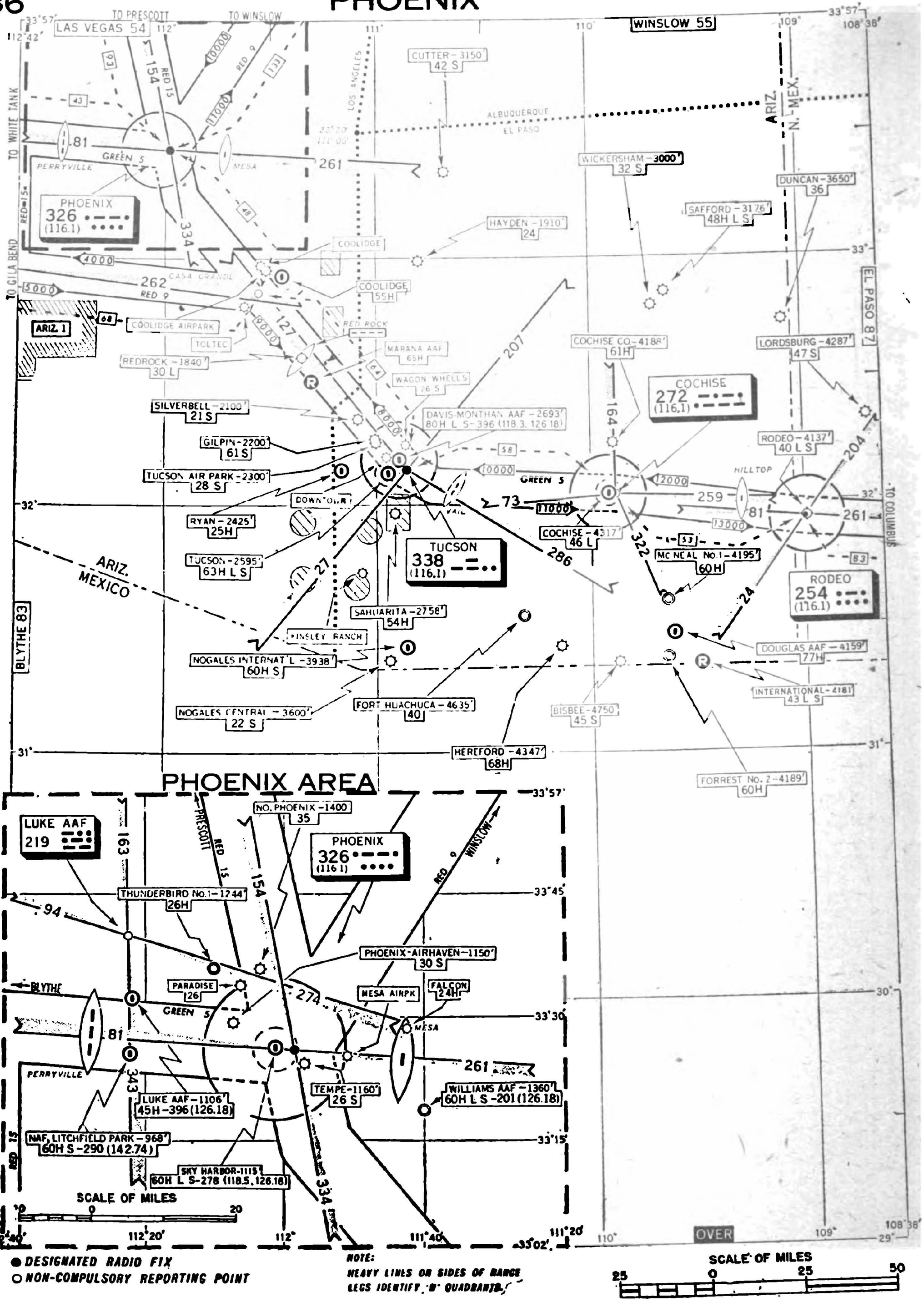
AIRPORTS — ARIZONA

AIRPORT CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW,RR N	1050	26	
Bisbee	6.4 SSE,RR W	4750	45 L S4	80 oct.Poles W.Port.rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Greenlee (Clifton)(NC)	8.7 SSE,hwy W	3800	35	
* Cochise Int.T-3,PH-EO	6 S,hwy E	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S,RR E	1450	34	
Coolidge	6.4 SE	1587	55h	Closed, emerg. use only.
Coolidge Flying Field	1.5 WSW,RR E	1450	21 S1	80 oct. Pole line E.
Cutler (Globe)	6.8 ESE,RR N	3150	42 S4	80 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	5 SE,RR SW	2693	80h R2 L5 S6	73-100 oct. JP-1.
(A) Douglas AAF (A)	8.5 NNW	4159	77h	INACTIVE. Twrs E.
Duncan	1 NE	3650	36	Poleline, race track W.
Falcon (Mesa) (NC)	7.3 NE,hwy S	1332	24h	
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	INACTIVE.
Ft.Apache (White River)(NC)	2.6 SSW,riv S	5200	34	Trees S.
(A) Ft. Huachuca (A)	4 E,RR NW	4635	40	
Gilpin (Tucson)	4.2 NW,RR W	2200	61 L5 S6	80,91 oct.Poles E, SW.
Hayden	1.2 S,hwy E	1910	24	
Hereford	2.5 WSW,rd N	4347	68h	Twr SE.
INTERNATIONAL (Douglas)	3.3 E,hwy N	4181	43 L4 S4	80,91 oct.Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW,riv E	3100	31	RR E
Litchfield (Litchfield Park)(NC)	0.5 NW,canal S	1062	23	Trees SW.
(N) Litchfield Park NAF (N)	4.8 S,riv E	968	80h R1 S1	100 oct.
(A) Luke (Phoenix)(A)	18 WNW	1106	45h R2	INACTIVE.
(A) McNeal #1 (Douglas)(A)	19 NNW	4195	80h	INACTIVE
(A) Marana AAF (A)	6 NW,hwy NE	1891	85h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W
Mesa Airpark	1.4 W,RR SE	1238	27 S1	80 oct. Poleline E.
Nogales Central	5 N,RR E	3600	22 S6	80 oct.No sto.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Nogales International	8 NE,hwy N	3938	60h L5 S4	73,80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35	
← Paradise (Phoenix)	6 NNW,canal S	1256	26 S2	80,91 oct. Trees S
Phoenix Airhaven	3.9 WNW,RR W	1150	30 S6	80 oct,No sto,Poles SW,NE.
* Redrock Int,7B, PH EO	2.3 NW,RR E	1840	30 L4	
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low duke S and E corner.
Safford	4.5 ENE,riv S	3176	48h L5 S5	80,91 oct. Fld lgts prior req.
Sahuarita Flight Strip	2.2 E,hwy W	2758	54h	
Sells (NC)	2 NW,rd E	2380	30	
Silverbell (Tucson)	11.2 NW,RR E	2100	21 S1	80 oct.
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	73,80,91,100 oct
Superior (NC)	2 WSW,hwy N	2600	15	Pole line NE.
Tempe	1.2 SW,RR E	1160	26 S6	80 oct Poles E,trees W.
Three Point (Casa Grande)(NC)	1.5 NNW,RR SW	1400	32	
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	25	Allway 2500 x 2000
Toltec	0.4 NNW,RR W	1500	26	Poles SSW,SW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	28 S1	Ltd 80 oct.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct No sto Poles S,SE.
Wickersham (Safford)	2.5 S,RR NE	3000	32 S6	80, 91 oct.
Willcox (NC)	0.9 WNW,hwy E	4186	36	75 trees SE,bldgs NE.
(A) Williams (Chandler) (A)	10 E	1360	60h R1 L5 S6	73, 91, 100 oct. JP-1.
NEW MEXICO				
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
* Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
Downtown (Tucson,Ariz.)	1.4 S,RR SW	2460	34 S2	80,91 oct Poles N

R-hard surfaced runways. R-radio facilities L-lighting facilities S-servicing (See page xiii) NC (not charted) → NEW OR REVISED DATA.

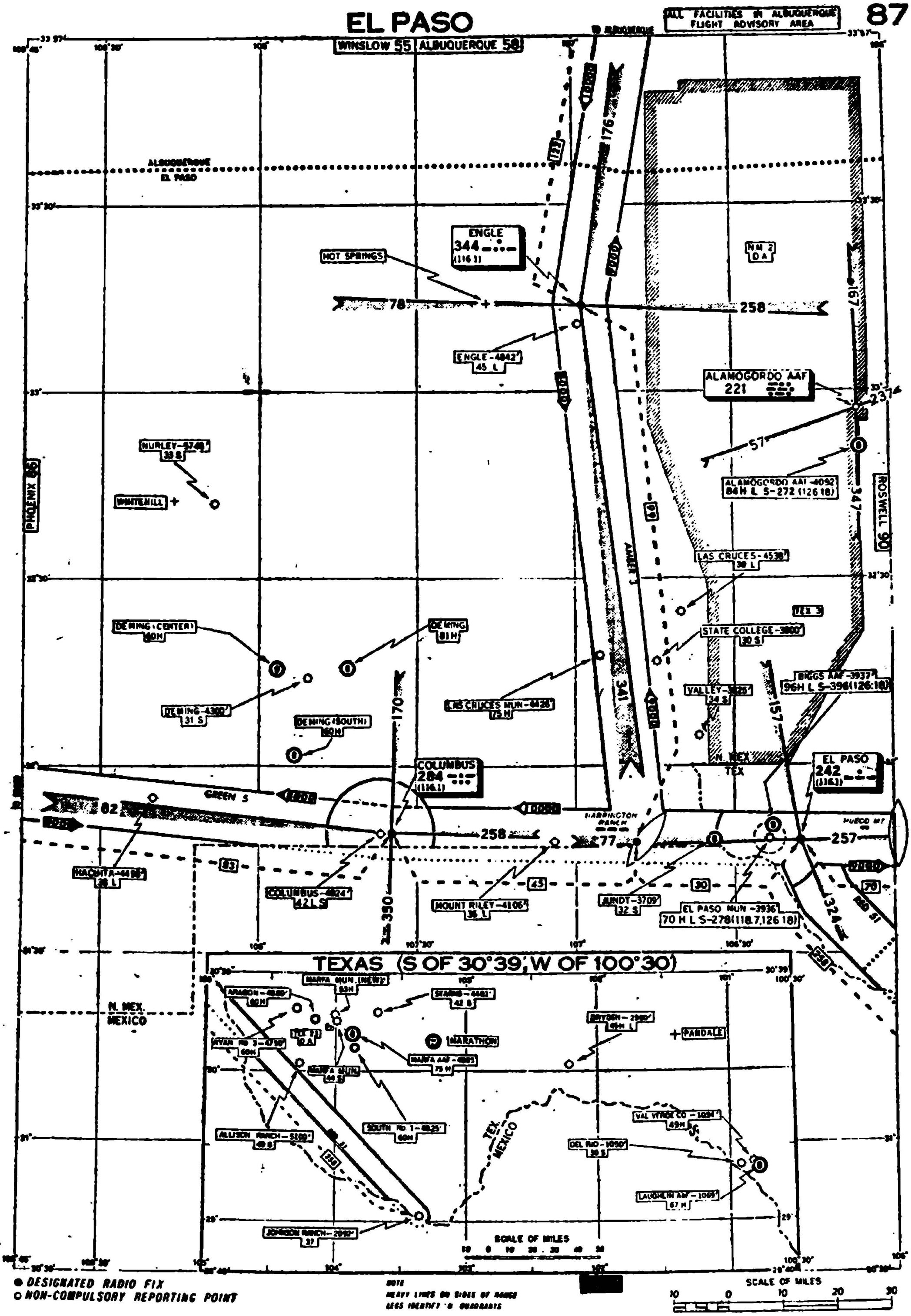
PHOENIX



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES OR SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.

EL PASO


ALL FACILITIES IN ALBUQUERQUE FLIGHT ADVISORY AREA
WINSLOW 55
ALBUQUERQUE 58
ALBUQUERQUE
EL PASO
ENGLE 344 (116 1)
HOT SPRINGS
NM 2 DA
ENGLE - 4842' 45 L
ALAMOGORDO AAF 221
HURLEY - 3748' 39 S
WHITEHILL
PHOENIX 85
ALAMOGORDO AAF - 4092' 84 H L S-272 (126 18)
ROSWELL 90
LAS CRUCES - 4539' 30 L
DEMING (CENTER) 60H
DEMING 81H
STATE COLLEGE - 3800' 30 S
DEMING - 4302' 31 S
DEMING (SOUTH) 60H
LAS CRUCES MUN - 4426' 75 H
VALLEY - 3825' 34 S
BIGGS AAF - 3937' 96H L S-396 (126 18)
COLUMBUS 284 (116 1)
GREEN 5
N. MEX.
TEX
EL PASO 242 (116 1)
HARRINGTON RANCH
HUECO MT
MACHITA - 4496' 38 L
COLUMBUS - 4824' 42 L S
MOUNT RILEY - 4106' 35 L
LUNDT - 3709' 32 S
EL PASO MUN - 3936' 70 H L S-278 (118 7, 126 18)
TEXAS (S OF 30°39', W OF 100°30')
MARFA MUN (NEW)
ARAGON - 4889' 60 H
STARR - 4481' 42 S
MARATHON
BRYSON - 2980' 49H L
PANDALE
MARFA AAF - 4895' 75 H
MARFA MUN 44 S
SOUTH NO 1 - 4825' 60H
TEX MEXICO
VAL VERDE CO - 1069' 49H
ALLISON RANCH - 5160' 49 S
DEL RIO - 1050' 30 S
LAUGHLIN AAF - 1069' 67 H
JOHNSON RANCH - 2092' 37
SCALE OF MILES
10 0 10 20 30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'B' QUADRANTS
SCALE OF MILES
10 0 10 20 30

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMOGORDO (Army Alamogordo AAF	221 (DGR) 272 (126.18)	BMRLZ CA (ILS): 167°, 6.5	(3); 4220; 126.18 (3); 126.18 (0730-1930) Mon-Fri. (Sat. & Sun. 730-1630)
COLUMBUS (Int.)	284 (KS) (116.1)	SBMRAZ-VDT, 262°, 1.9	(4); 116.1
→ **ENGLE (Int.)**	344 (EX) (116.1)	SBRAZ-VDT, 172°, 2.9	(4); 116.1
HARRINGTON RANCH FM	(- - -)	FM, 257°, 28.5	El Paso, Texas

TEXAS

BIGGS FLD (El Paso)	396 (126.18)+	CA (ILS)	(3); 126.18
EL PASO	242 (EO) (116.1)	SBRAZ-VDT	(3); 116.1
→ El Paso Mun. Arpt.	278 (126.18) (118.7)	AC (ILS): 257°, 4.9	(4): 131.9, 118.7, 126.18
HUECO MTN. FM	(-)	FM, 77°, 18	El Paso

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Alamogordo N. Mex.	109.9		155° Mag.	IM- ····· (.22)	MM- (1.00)	OM- -- (4.48)
					MMK-	OMK-
Biggs, Tex.	109.9		213° Mag.	IM- (.26)	MM- ····· (.85)	OM- -- (3.50)
					MMK-	OMK-
→ **EL PASO, TEX.**	109.5	332.6	217° Mag.	IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A C S. transmits on and guards 116 1, 137.88, 140 58/mcs.

AIRPORTS — NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Alamogordo AAF (A)	8.5 SW, hwy S	4092	84h R3 L5 S4	73, 100 oct.
★ Columbus Int, 34, PH-EO	0.6 ESE, hwy N	4024	42 R1 L3 S1	73 oct.
Deming	2 ESE, hwy W	4314	81h	Clsd, emerg. use only.
Deming Arpk.	6 WSW, RR N	4300	31 S4	73 oct. No sto.
Deming (South)	19.5 SSW	4240	60h	Cattle on fld. Clsd, emerg. use only.
Deming (Center)	11.5 W, hwy S	4440	60h	Clsd, emerg. use only
★ Engle Int, 10, EO-PU	2.6 E, hwy S	4842	45 R1 L3	
★ Hachita Int, 29B, PH-EO	0.8 W, RR N	4498	38 L3	Pole line N.
Hot Springs	7.4 N, hwy E	4500	75 S4	80 oct. Rnwy data unver.
Hurley	0.8 W, RR E	5748	33 S4	73 oct. No sto.
Jundt (Strauss)	8.8 ESE, hwy NE.	3709	32 S6	73, 80 oct. No sto. Trees E.
Las Cruces (NC)	1 NE, hwy N	3900	35	
Las Cruces, mun.	8.5 W, hwy S	4426	75h	Cattle on fld.
Las Cruces 4, EO-PU	9.5 NE, hwy S	4538	39 L3	Pwr line S. Mtn E.
★ Mt. Riley Int, 37, PH-EO	1.8 SE, RR N	4106	36 L2	
Silver City (NC)	11.5 SE, hwy E	5400	54	
State College (Mesilla Park)	1.2 E, RR W	3800	30 S6	73 oct. No sto.
Tularosa (NC)	2.2 N, RR W	4550	25	Use strips only.
Valley (Berino)	1 ENE, hwy W	3825	34 S1	73 oct, 50' hi-line E.
Whitehill (Silver City)	4 SSE	5800	30	Poleline N. Rnwy data unver.

TEXAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allison Ranch (Marfa)	23.4 SW, hwy E	5100	49 S1	73 oct.
(A) Aragon #5 (Marfa)	9 WNW, RR, N	4880	60h	INACTIVE. Hwy N (A)
(A) Biggs (El Paso) (A)	6 NE, RR W	3937	96h R3 L5 S6	73, 91, 100 oct. JP-1. No range.
Blair Ranch (Marathon) (NC)	23.5 SSW, hwy E	4180	24	PRIVATE.
Castolon (NC)	0.8 NNW, riv SW	2300	16	High butte 1/2 mi E.
Cox Ranch (Longfellow) (NC)	8.4 WSW, RR S	3700	48	PRIVATE.
Decker Ranch (Candelaria) (NC)	11.5 N	3650	29	PRIVATE.
Del Rio	1.5 WNW, hwy E	1000	30 S4	80 oct. No sto. Poles N.
Dryden Airdrome (Dryden) (NC)	1 W	2159	18	
★ Dryden Int, 29, EO-JI	5.7 W, hwy N	2300	45h L3	
(N) EL PASO MUN.	4.8 ENE, RR SW	3936	70h R3 L5 S1	73, 91, 100 oct. No sto. ARPT OF ENTRY.
Johnson Ranch (Castolon)	10.7 SE, riv SW	2092	37	
(A) Laughlin (Del Rio) (A)	7 E, hwy N	1069	67h	C-L-O-S-E-D
→ Marathon				ABANDONED.
(A) Marfa AAF (A)	9 ESE, RR N	4885	75h	INACTIVE.
Marfa Mun. (new)	4 N, hwy E	4835	53h	
Marfa Mun. (old)	2 NE, hwy, RR S	4780	44 S4	73 oct. No sto. Poleline S, SW.
Presidio (NC)	4 N, hwy W	2850	48	NOT MNTND.
Presidio Air Strip	0.8 NE, RR S	2580	21	PRIVATE. (NC)
(A) Ryan #3 (Marfa) (A)	19 WNW, RR NE	4750	60h	INACTIVE.
Sanderson Landing Strip (NC)	2 W, RR N	2900	24	PRIVATE.
(A) South #1 (Marfa) (A)	15 SE	4825	60h	INACTIVE.
Starns (Alpine)	2.1 NW, RR E	4481	42 L S6	80, 91 oct. Rnwy lgts prior req.
Terlingua (NC)	2 E, hwy SW	2700	36	
Val Verde Co. (Del Rio)	4.5 ENE, RR S	1094	49h	
Yoas Ranch (Longfellow) (NC)	6.5 WSW, RR N	3675	36	PRIVATE. Pole line NW.
Pandale (Tex.)	8 NE		20 S2	80 oct. Data unver.

A-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page X111) NC-(not charted). → New or revised data

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
CARLSBAD	311(DKB)	MRLW;322°,3.5	
ROSWELL (Army)	305 (DEH)	SBMRAZ	(3); 126.18
Roswell AAF	396 (126.18)+	CA;255°, 3.6	(3); 126.18
TEXAS			
GUADALUPE PASS	(116.1)	VP	116.1
GUADALUPE PASS FM	(-)	FM, 79°, 17.4	Salt Flat
HUECO MOUNTAIN FM	(-)	FM, 77°, 18	El Paso
SALT FLAT (Int.)	335(DN)(116.1)	BMRLPZ-VDT;162° 2.7	(4); 116.1

S-Simul Range and Voice, W Without Voice; Z-VHF Range Station Location Marker. (3) 3105 4495 6210 kcs. (4) 3105, 4495, 6210, 3117 5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116 1 137 88 140.58 mcs

AIRPORTS — NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamogordo	2.4 N,hwy W	4320	29 S1	73 oct. Poleline ESE.
(P) Artesia Mun.	4.2 W,rd S	3550	69h L5 S1	73-91 oct.
B&B Flying Service (Roswell)	2 S,RR E	3600	32 S2	80 oct.
CARLSBAD MUN.	6.1 SSW,	3276	65h	Hwy E.
Carlsbad	3 N,RR E	3100	38 S2	80 oct.
Carlsbad #1	11 S,hwy 3 W	3245	67h	
Carrizozo	0.6 N,hwy S	5420	33	
Dora (NC)	1.3 E,hwy W	4000	27 S1	73 oct. Pole line N.
Flying "M" Ranch (Milnesand)	0.4 NNW, hwy E	4360	20 S2	80 oct. Data unver.
John J. Small (Carlsbad)	3.5 SSE,RR NE	3150	27 S1	73 oct.
Lovington	0.8 E,hwy S	3985	36	Pole line S,SE,SW.
Parker (Ruidoso) (NC)	8.2 NNE,	7200	36	Cattle on fld. Road N.
ROSWELL	1.6 WNW,	3621	56 L5 S6	73 oct. Fld lgts prior request. RR E
Roswell Com.	4 W,hwy N	3700	33	Windmill SW.
(A) Roswell AAF (A)	6.5 S	3662	85h R2 L5 S6	91,100 oct. No sto.
(A) Roswell AAF #3 (A)	18 S	3712	70h	INACTIVE

NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Tracy (Carlsbad)	2 ENE,hwy S	3080	30 S6	80 oct.
TEXAS				
Anderson (Pecos)	1.8 NNW,RR W	2620	42 S6	80 oct. Poles sur fld.
(P) Culberson Co.(Van Horn)	3.5 ENE,RR S	3955	60h	
Delaware Springs Int. 11, EO-FV	16.8 E Pine Springs	3955	40 L3 S1	91 oct. Pole line SSE.
Fort Hancock (NC)	0.7 SE,RR N	3565	24	Pole line N.
Hines (Red Bluff Lake)	5.5 NNW,RR W	2850	24 S1	80 oct.
Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	
Kent	0.6 WNW, RR S	4260	21	Pole line NE,SW. PRIV.
Pecos	2.2 SSW	2617	72h	RR W
Salt Flat Int.8A.EO-FV	80 E El Paso	3710	40 R1 L3 S1	80 oct.;91 oct. in emerg
Sierra Blanca (NC)	2.8 ESE	4450	21	Pole line N.Hwy N.
Tex-Line (Orla)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Van Horn	0.8 SE,RR N	4040	26 S1	80 oct. Poles NW.

ROSWELL

ALL FACILITIES IN ALBUQUERQUE FLIGHT ADVISORY AREA

ALBUQUERQUE 58

DORA

NN 7

CARRIZOZO - 5420'
33

ROSWELL – 3621'
56 L S

ALBUQUERQUE
EL PASO

FLYING "M" RANCH

D & B FLY. SERVICE

122

216

ROSWELL COM

ROSWELL AAF – 3662'
85 H L S – 396 (126 16

ROSWELL AAF
305

35

293

ROSWELL AAF NO 3 – 3712'
70 H

ALAMOGORDO 4320'
29 S

ARTESIA MUN – 3550'
68 H L S

LOVINGTON – 3
35

TRACY – 3080'
30 S

142

CARLSBAD

JOHN J. SMALL

CARLSBAD-3276'
65 H

241

CARLSBAD NO 1 – 3245'
67 H

61

CARLSBAD
311

322

EL PASO 87

NMS
DA

162

GUADALUPE PASS
VOICE – (116.1 Mc)

TEX-LINE-2900'
26 S

N MEX
TEX.

SALT FLAT
335
(116.1)

DELAWARE SPRINGS – 3955'
40 L S

MINES – 2
24 S

HUECO MT

GUADALUPE PASS

EL PASO
242 257

79

GREEN 5

259

81

260

HUDSPETH – 4645'
40

70

112

SALT FLAT – 3710'
40 L S

ANDERSON – 2620'
42 S

342

CULBERSON COUNTY – 3955'
60 H

KENT – 4260'
21 S

PECOS
72 H

REDS

258

TEX.
MEXICO

VAN HORN – 4040'
26 S

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

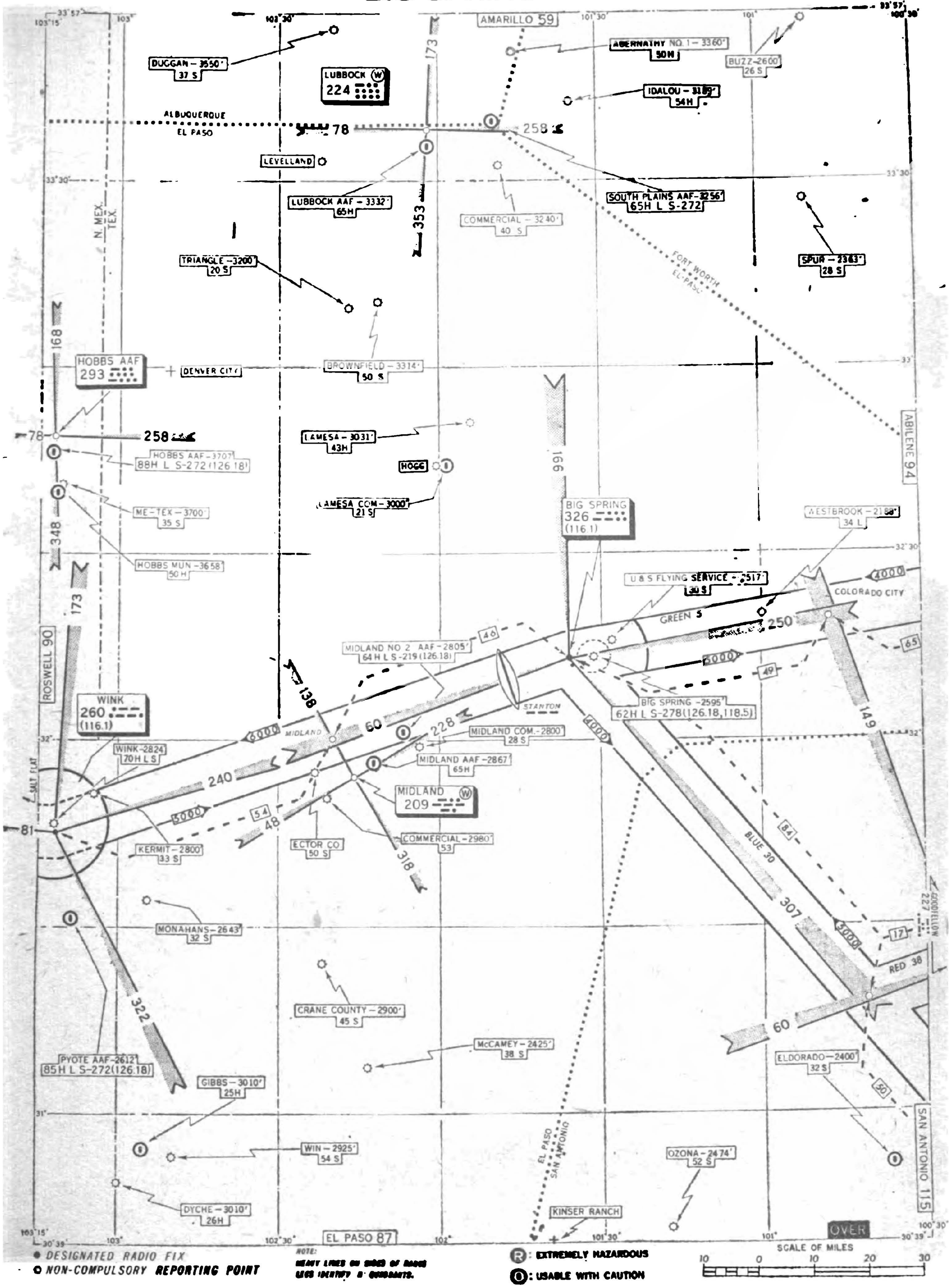
TO CASTOLON

NOTE:
PLOTTED LINES OR SIDES OF RADIAL LEGS IDENTIFY "R" QUADRANTS.

Ⓡ : EXTREMELY HAZARDOUS
Ⓤ : USABLE WITH CAUTION

SCALE OF MILES
10 0 10 20 30

BIG SPRING



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY B-ROUTES.

R: EXTREMELY HAZARDOUS

O: USABLE WITH CAUTION

RADIO — NEW MEXICO

LOCATION	FREQ.. IDENT.	STA. CLASS. BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
HOBBS (Army)	293 (DHB)	BMRLZ	(3) (V, 7-2300)
Hobbs AAF	272 (126.18)	CA: 168°, 2.8	(3);126.18 (7-23)
TEXAS			
BIG SPRING	326(BZ)(116.1)	SBRAZ-VDT	(3); 116.1
Big Spring Arpt.	278 (126.18)	C; 70°, 3.9	(4); 126.18,131.9.Trs. & gds. 118.5 mcs.
LUBBOCK (AAF)	224 (DHH)	MRLWZ; 173°,3.9	
MIDLAND	209 (DON)	MRLWZ;48°,3.8-AAF	
Midland No. 2	219 (126.18)	CA	(4); 140.58
PYOTE AAF	272 (126.18)	CA	(3); 126.18
SOUTH PLAINS AAF (Lubbock)	272	CA	(3) (8-22)
STANTON FM	(- - -)	FM, 240°,12	Big Spring.
WINK	260(WP)(116.1)	SBRAZ-VDT,353°,1.2	(4); 116.1

S Simul Range and Voice. W- Without Voice. Z VHF Range Station Location Marker. (3) 3105 4499, 6210 kcs. (4) 3105, 4495, 6210, 3117 5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice ⊥ - Army A C S transmits on agd guards 116 1, 137 88, 140 58 mcs

AIRPORTS — NEW MEXICO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Continental (Jal)(NC)	0.7 W, hwy E	3100	20	
(A) HOBBS AAF (A)	8 NW,RR NE	3707	88h R2 L5 S4	91,100 oct.
HOBBS MUN.	5 W,hwy N	3658	50h L5	All lgts prior req.
(P) Me-Tex (Hobbs)	4.5 W,hwy N	3700	35 S6	80,87 oct. Pole line N,W,NW.
TEXAS				
(A) Abernathy #1 (A)	5 ENE	3346	50h	INACTIVE
(P) BIG SPRING	3.3 WSW;RR N	2595	62h R2 L5 S6	80,91,100 oct.
Brownfield	5 E; hwy N	3314	50 S2	80 oct. Poleline N, NE.
Buzz (Roaring Spgs)	2.3 NNE;hwy W	2600	26 S1	73 oct. Poleline S.
Commercial (Lubbock)	3.2 SE;bet hwys	3240	40 S6	73,80 oct. No sto. Use strips.
Commercial (Odessa)	1.9 E; RR N	2980	53 S4	Poleline NE,NNE.
Crane Co. (Crane)	1 NNW;hwy E	2900	45 S1	73 oct. Hi-line S.
Duggan (Littlefield)	1.2 S;RR NE	3550	37 S4	80,91 oct. Pwrline E, NE, SE.
Dyche (Fort Stockton)	9 SW;RR E	3010	26h	Allway area: 4000 x 4000'.
Ector County (Odessa)	5 NNW;hwy W	2900	50 S2	80 oct.
Eldorado	1 W;RR E	2400	32 S1	80 oct. Poles E. Livestock on fld.
Gibbs (Fort Stockton)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'

TEXAS

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Idalou	5.5 ENE	3189	54h	
Iraan (NC)	5 NW	2300	26	
→Kermit	1.3 E;RR W	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona)	25 W;riv W	2474	24 S1	80 oct. PRIVATE. Data unverified.
Lamesa	8.9 NNE;hwy E	3031	43h	
Lamesa Commercial	1.8 WNW;hwy S	3000	21 S1	73 oct. Pole line SSE.
Levelland	2 S;hwy W	3550	25 S1	80 oct. Poleline NW, SW.
(A) Lubbock AAF (A)	9 W;RR S	3332	65h	INACTIVE.
McCamey	0.8 SW;RR N	2425	38 S6	80 oct. Hi-line SSE.
(A) Midland AAF (A)	9.5 WSW;RR S	2867	65h	INACTIVE.
Midland Commercial	1.1 SSE;RR N	2800	28 S4	80 oct. No sto. Rnwy data unverified.
(A,N) Midland #2 (A)	3 NW; rd E	2805	64h R1 L5 S4	91, 100 oct. JP-1 No sto.
→Monahans	1.2 SW;RR N	2643	32 S6	80,91 oct. P-line SSW
Ozona	4.9 WSW;hwy N	2474	52 S1	80 oct.
(A) Pyote AAF (A)	1 SW;RR N	2612	85h R1 L5 S6	91, 100 oct. No sto.
Rita Santa (NC)	0.5 S;RR N	2800	40	Obsts sur fld.
(A) SOUTH PLAINS AAF (Lubbock)	5.5 NNE;RR W	3256	65h R1 L5 S6	73, 91, 100 oct.
Spur	2.2 S;RR N	2363	28 S4	80, 91 oct.
Triangle (Brownfld)	1.8 SSW;RR NW	3200	20 S2	73 oct.
U & S Flying Service (Big Spring)	1.5 N;hwy S	2517	30 S6	80 oct.
★ West Brook Int,32, EO-FV	1.3 S;RR N	2188	34 L3	Pole line N, S.
Win (Ft. Stockton)	3.2 E;hwy N	2925	54 S6	80 oct.
Wink	3.6 WNW;rd SE	2824	70h R1 L5 S6	80,91 oct.
Denver City (Tex.)	0,5 NW	3584	40 S1	80 oct. Data unver.
Hogg(Lamesa,Tex.)	3 W; hwy N	3000	38 S1	80 oct. Bldg SW.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ABILENE	379(AP)(116.1)	SERAZ-VDT	(3) 116.1
Abilene Air Term.	278 (118.7)	C; 180°, 2.3	(4); 118.7,126.18, 131.9
CLARENDON	232(CP)(116.1)	BMRL-VDT,199°,2	(4); 116.1
HARPERSVILLE (Int.)	284(HV)(116.1)	MHVT	(4); 116.1
WICHITA FALLS (Sheppard/Kell Mun. Airport)	239(WF)(116.1)	SBMRAZ-VDT,305°, 1.7	(4); 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.68, 140.58 mcs.

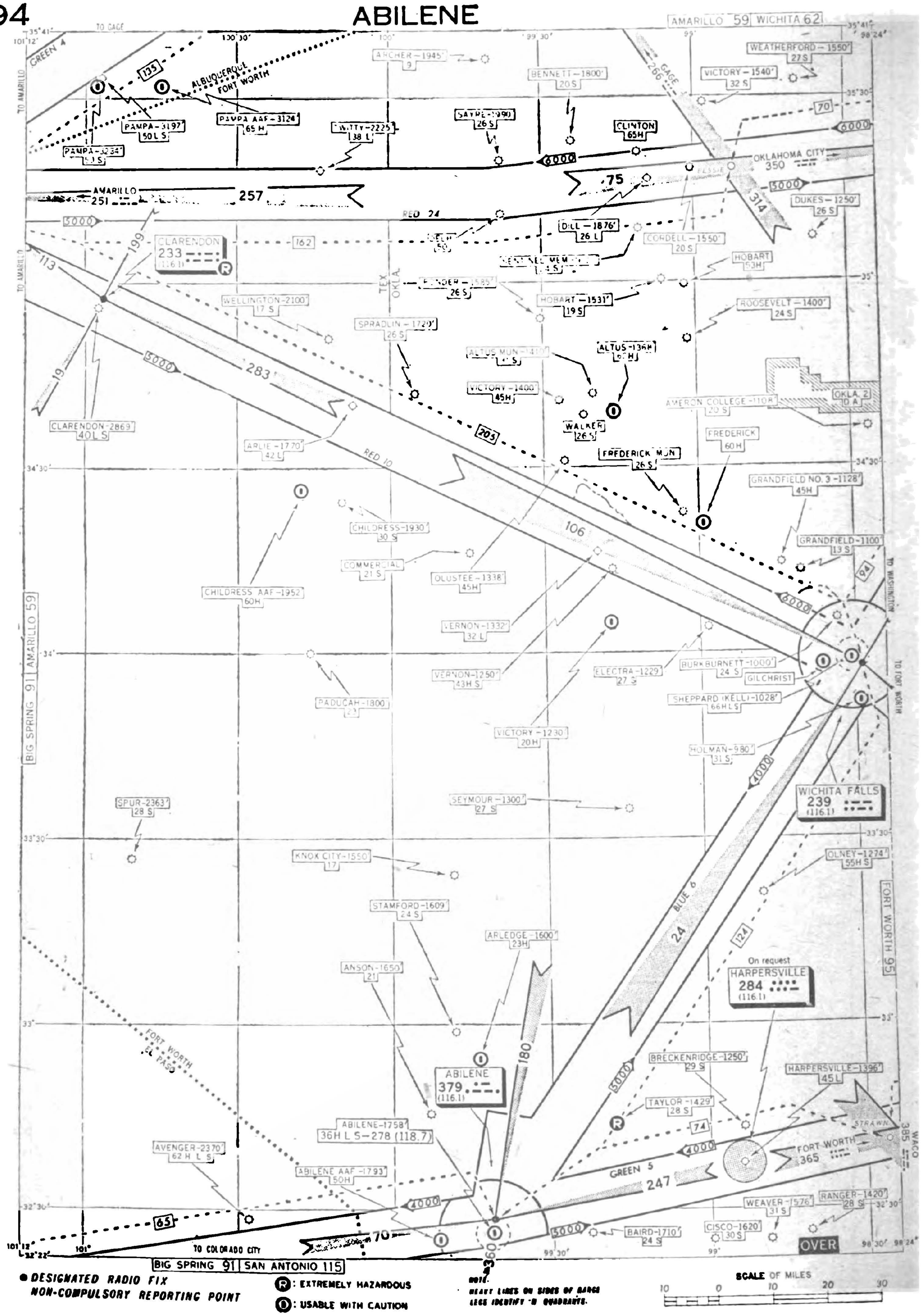
AIRPORTS — OKLAHOMA

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Altus	3.4 ENE;hwy S	1368	60h	
Altus, mun.	4.2 N,RR W	1410	31 S6	73,80 oct. Polelines W
Archer (Cheyenne)	1.2 SW,hwy E	1945	9 S4	No fuel
Bennett (Elk City)	2 SSE,RR NE	1800	20 S1	73 oct. Poleline W. Lgt acft only.
Cameron College (Lawton)	2.5 W,RR N	1108	20 S4	80 oct.
Clinton	17 SW,hwy E	1932	65h	
Cordell	1.3 NW,RR E	1550	20 S1	80 oct.
Delhi	2.5 ENE,hwySW	1837	50	
★ Dill Int,14,AQ-LS	0.5 NW,hwy N	1876	26 L3	Poleline N, E.
Dukes(Carnegie)	1 NNW,riv S	1250	26 S1	80 oct. Poleline S.
Frederick,mun.	2.3 WSW,RR SE	1285	26 S6	73 oct.
Frederick	3.5 SSE	1233	60h	
Grandfield	1.2 SE,RR N	1100	13 S1	73 oct.
Grandfield #3	3.1 W,RR NE	1128	45h	
Haddock (Erick)	1.4 SW,RR N	2017	34 S1	80 oct. Poleline N,NW.
(P) Hobart	3.8 SE,RR N	1583	53h	
Hobart, mun.	1.5 SW,RR NW	1531	19 S6	73 oct.
Olustee(Altus)	10 SE,riv E	1338	45h	
Ponder (Mangum)	1.6 N,hwy S	1585	26 S2	73, 80 oct.
Roosevelt	0.5 NW,rd N	1400	24 S1	80 oct. Pwr line N.
Sayre	2.3 N,hwy W	1990	26 S4	80 oct.
Sentinel Memorial	0.8 SSW,RR W	1600	24 S1	73 oct.
Spradlin(Hollis)	1 N,hwy S	1720	26 S2	80 oct
Victory (Altus)	7.2 NW,riv E	1400	45h	

TEXAS

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) ABILENE AIR TERMINAL	2.8 ESE,RR N	1758	36h R2 L5 S6	73,80,91,100 oct.
(A) Abilene AAF (A)	7 WSW,hwy N	1793	50h	C-L-O-S-E-D.
Anson	0.8 ENE,RR W	1650	21	
Arledge(Stamford)	5 SE,RR SW	1600	23h	Pole line S.
★ Arlie Int,9,AQ-FV	3.8 SW,hwy SE	1770	42 L3	
(P) Avenger(Sweetwater)	3.5 W,RR S	2370	62h L5 S1	80 oct.
Baird	3.1 NNE,hwy W	1710	24 S6	73, 80 oct.
Breckenridge	2.5 S,RR E	1250	29 S6	80 oct.
Burkburnett	1 SE,RR SW	1000	24 S2	80 oct. Poles E.
Childress	3.2 ESE,RR NE	1930	30 S4	73,80 oct. Poleline sur. field.
(A) Childress AAF(A)	5.2 W,RR N	1952	60h	INACTIVE.
Cisco	2.5 NNW,lake 2 N	1620	30 S6	80 oct.
(P) Clarendon 4,AQ-FV	3.8 W,RR NE	2869	40 R1 L3 S6	80, 91 oct.
Commercial(Quanah)	1.8 S,hwy E,N	1568	21 S2	Ltd 80 oct.
Electra	3.6 WNW,RR S	1229	27 S2	80 oct.
Gilchrist (Wichita Falls)	7 WNW,RR S	1020	30 S1	80 oct. Pwrline S.
★ Harpersville Int,44, EO-FV	9.2 S of Breckenridge	1396	45 R1 L3	
Holman (Wichita Falls)	3.1 SSE,hwy W	980	31 L S6	80,91 oct. Poles SE, E, NE.
Knox City	0.8 SSE,RR W	1650	17	
(P) Olney	4 WSW,rd S,N	1274	55h L5 S2	80, 91 oct. Lgts prior req
Paducah	2.5 ESE,RR NW	1800	23	
Pampa	1 NNE,RR S	3234	50 S6	80,91 oct. P-line S; bldg SW
(A) Pampa AAF (A)	12.3 E	3124	65h	C-L-O-S-E-D.
★ Pampa Int,4,AQ-KC	1.9 NE,RR S	3197	50 L3 S1	80, 91 oct.
Ranger	1.5 SSW,RR W	1420	28 S6	80 oct. Poleline NE.
Seymour	1.3 SE,riv SW	1300	27 S1	80 oct.
(A) SHEPPARD/KELL MUN. (Wichita Falls)	5.8 N,hwy W	1028	66h R1 L5 S6	80, 91 oct.
Spur	2.2 S,RR N	2363	28 S4	80, 91 oct.
Stamford	2.5 N,hwy E	1609	24 S2	80 oct.
Taylor (Albany)	1 N,RR SW	1429	28 S2	80 oct.
★ Twitty Int,8A,AQ-LS	1 SE,hwy W	2225	38 L3	
Vernon	5 N,hwy E	1250	43h S6	73, 80 oct. No sto.
★ Vernon Int,15,AQ-FV	8.8 NNW,hwy E	1332	32 L3	
Victory (Vernon)	5.9 SSW,hwy E	1230	20h S2	No fuel.
Weaver (Eastland)	1 NE,RR S	1576	31 S6	80 oct.
Wellington	1 SE,hwy W	2100	17 S1	80 oct. Pole line S.

ABILENE



● DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT

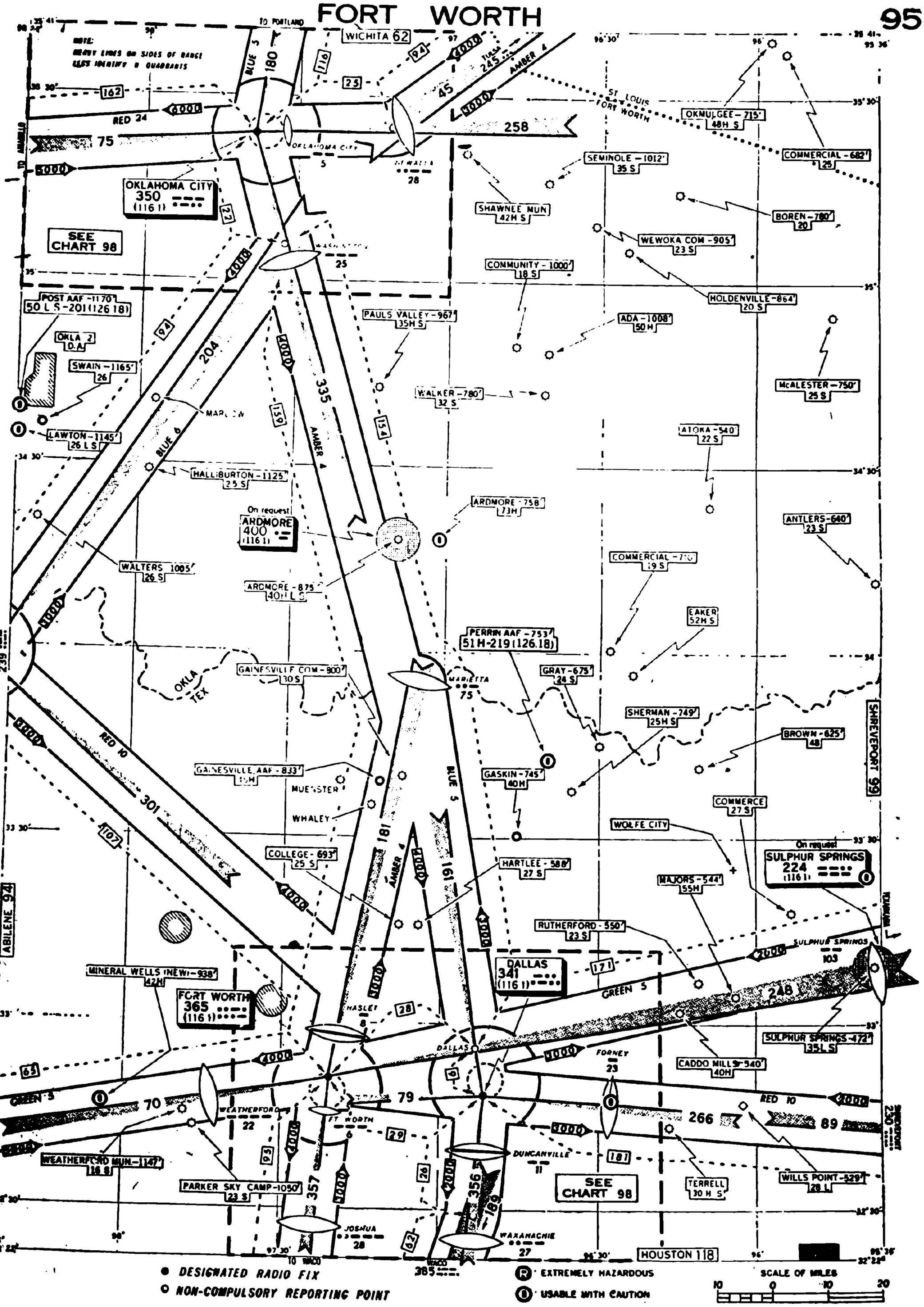
Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY "B" QUADRANTS.

SCALE OF MILES
10 0 10 20 30

FORT WORTH


NOTE:
HEAVY LINES ON SIDES OF RANGE
LEES IDENTIFY 8 QUADRANTS
TO PORTLAND
WICHITA 62
BLUE 5
180
116
94
4000
TULSA 245
AMBER 4
45
25
162
RED 24
4000
258
ST LOUIS
FORT WORTH
OKMULGEE - 715'
48H S
75
OKLAHOMA CITY
5
DEWAR
28
5000
OKLAHOMA CITY
350
(116 I)
22
SEMINOLE - 1012'
35 S
COMMERCIAL - 682'
25
SHAWNEE MUN
42H S
BOREN - 780'
20
WEWOKA COM - 905'
23 S
SEE CHART 98
4000
25
COMMUNITY - 1000'
18 S
HOLDENVILLE - 864'
20 S
POST AAF - 1170'
50 L S - 20I (126 18I)
PAULS VALLEY - 967'
35H S
ADA - 1008'
50 H
OKLA 2
D A
94
204
4000
335
SWAIN - 1165'
26
159
154
McALESTER - 750'
25 S
WALKER - 780'
32 S
MARLOW
LAWTON - 1145'
26 L S
BLUE 6
AMBER 4
ATOKA - 540'
22 S
34 30'
HALLIBURTON - 1125'
25 S
On request
ARDMORE
400
(116 I)
ARDMORE - 758'
73H
ANTLERS - 640'
23 S
WALTERS 1005'
26 S
ARDMORE - 875'
40H L S
COMMERCIAL - 7[illegible]
19 S
EAKER
52H S
PERRIN AAF - 753'
51H-219 (126.18)
WICHITA FALLS
239
OKLA
TEX
GAINESVILLE COM - 900'
30 S
MARIETTA
75
GRAY - 675'
24 S
SHERMAN - 749'
25H S
BROWN - 625'
48
SHREVEPORT 99
RED 10
4000
301
GAINESVILLE, AAF - 833'
20H
MUENSTER
WHALEY
GASKIN - 745'
40H
BLUE 5
181
AMBER 4
COMMERCE
27 S
WOLFE CITY
33 30'
107
COLLEGE - 693'
25 S
HARTLEE - 588'
27 S
On request
SULPHUR SPRINGS
224
(116 I)
MAJORS - 544'
55H
ABILENE 94
RUTHERFORD - 550'
23 S
SULPHUR SPRINGS
103
MINERAL WELLS (NEW) - 938'
42H
FORT WORTH
365
(116 I)
DALLAS
341
(116 I)
171
GREEN 5
248
HASLET
28
SULPHUR SPRINGS - 472'
35 L S
DALLAS
FORNEY
23
CADDO MILLS - 540'
40H
65
GREEN 5
70
79
RED 10
266
89
WEATHERFORD
22
FT WORTH
29
DUNCANVILLE
11
181
WEATHERFORD MUN. - 1147'
16 S
PARKER SKY CAMP - 1050'
23 S
93
26
357
356
189
SEE CHART 98
TERRELL
30 H S
WILLS POINT - 529'
28 L
JOSHUA
28
62
WAXAHACHIE
27
HOUSTON 118
10 WACO
WACO
385
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20

RADIO — OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARDMORE	400 (AT)(116.1)	MHVT	(4); 116.1
MARIETTA FM	(. . -)	FM, 1°, 75	Fort Worth, Texas
NEWALLA FM	(. . - -)	FM, 78°, 27.5	Oklahoma City
OKLAHOMA CITY (Will Rogers Field)	350 (OL)(116.1)	SBRAZ-VDT,78°,1.6	(3); 116.1
OKLAHOMA CITY LFM	(- -)	LFM, 78°, 6.4	Oklahoma City
POST FIELD (Lawton)	201 (126.18)	CA	(3); 126.18 (7-17 Mon.-Fri.)
WASHINGTON FM	(- - -)	FM, 155°, 24.6	Oklahoma City

OKLAHOMA CITY–DALLAS–FORT WORTH

RADIO

OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
NEWALLA FM	(. . - -)	FM,78°,27.5	Oklahoma City
OKLAHOMA CITY (Will Rogers Field)	350(OL)(116.1)	SBRAZ-VDT,78°,1.6	(3): 116.1
OKLAHOMA CITY LFM	(- -)	LFM,78°,5.4	Oklahoma City
TINKER, OKLAHOMA CITY (Army)	221 (DTE)	BMRAZ	4495
Tinker Field	396 (126.18)+	CA:170°,5.3	(3): 126.18
WILL ROGERS FIELD (Oklahoma City)	272 (126.18)	C	(4): 126.18,131.9
WASHINGTON FM	(- - -)	FM,155°,24.6	Oklahoma City

TEXAS

→ DALLAS (Love Field)	341(DL)(116.1)	SBMRAZ-VDT,356°,7.3	(3): 116.1
DUNCANVILLE	404 (D)	FMK,176°,10.5	Dallas
DUNCANVILLE FM	(- -)	FM,176°,10.5	Dallas
FORNEY FM	(-)	FM,86°,23	Dallas
→ FORT WORTH (Meacham Field)	365(FW)(116.1)	SBRAZ-VDTI,177°,4.3	(3): 116.1
Fort Worth AAF	201 (126.18)+	CA	(3): 126.18
FORT WORTH LFM	(- - -)	LFM,177°,6.2	Fort Worth
HASLET FM	(-)	FM,1°,8.1	Fort Worth
HASLET	371 (F)	FMK,1°,8.1	Fort Worth
HENSLEY FIELD (Dallas)	396 (126.18)	CA	(4): 126.18
JOSHUA FM	(. . - - -)	FM,177°,27.7	Fort Worth
LOVE FIELD (Dallas)	278 (126.18) (118.9)	AC (ILS)	(4): 118.9,131.9,126.18
MEACHAM FIELD (Fort Worth)	272 (126.18) (118.7)	AC	(4): 126.18,118.7,131.9
WAXAHACHIE FM	(. . - -)	FM,176°,27	Dallas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOVE, TEXAS	110.3	335	140° Magn.	IM	MM ·--- (.70)	OM - - (4.35)
					MMK 311 ·--· (.75)	OMK
MEACHAM, TEXAS				IM	MM	OM
					MMK 356 ---· (.70)	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs;
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

OKLAHOMA

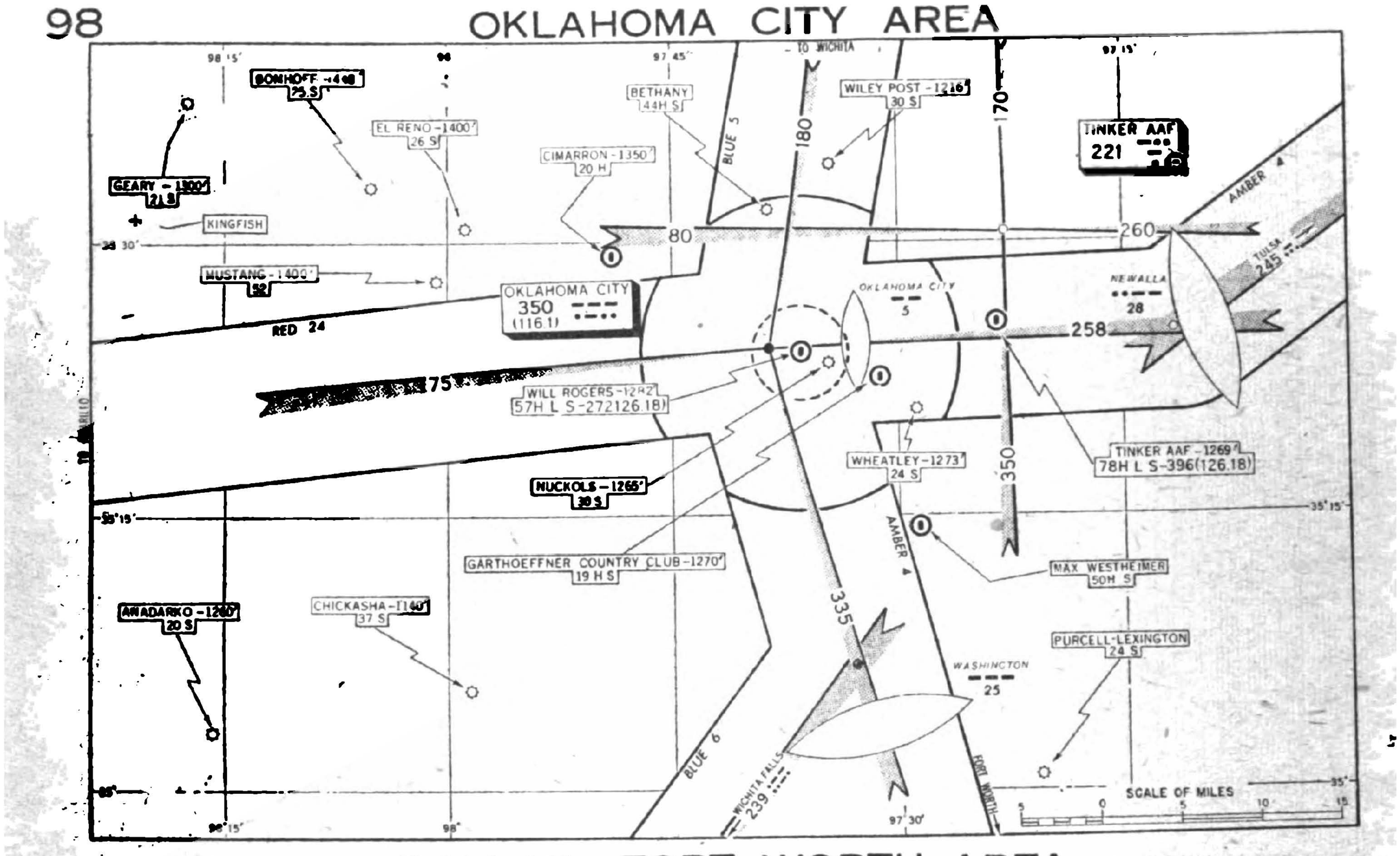
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anadarko	1.5 SW;RR E	1260	20 S1	80 oct.
Bethany (Oklahoma City)	8WNW	1300	44h S6	80,91 oct.Pwr line S.
Bomhoff (Calumet)	4.1 SSE;hwy S	1448	25 S4	73,80,91 oct.
Caddo Flying Ser.(Pt.Cobb)	6 SE;hwy S	1250	16 S2	80 oct.
(P) Chickasha	4 NNW;riv S	1140	37 L S6	80,91 oct.Flood,obst lgts.
Cimarron (Yukon)	4 WSW;hwy N	1359	20h	
(P) El Reno	1.5 SW;RR N	1400	26 L S6	80 oct.Port rnwy lgts.
Geary	1.4 E;RR N	1300	21 S2	73 oct.
Garthwaffner Co. Club (Oklahoma City)	7.3 S;hwy E	1270	15h S6	80 oct.
Lake View (Yukon)(NC)	2.7 E;RR N	1275	24	PRIVATE,Poles N,S.
Max Westheimer (Norman)	2.7 NW;RR E	1178	50h S2	80,91 oct.
(P) Mustang (El Reno)	5.3 SSW	1400	52	
Nuckols (Oklahoma City)	7.2 SSW;hwy W	1265	30 S6	80 oct.Poles N,W,SW.
Purcell-Lexington (Lexington)	0.8 WSW;riv W	1100	24 S2	80 oct.Trees S.SSW,SSE.
(A,N) Tinker (Oklahoma City)	8.5 SE;RR NE	1269	78h R2 L5 S6	62,91,100 oct.JP-1.MAPC. (A)
Wheatley Airpark (Moore)	0.6 NE;hwy W	1273	24 S6	73 oct.
Wiley Post (Oklahoma City)	7.9 WNW;hwy E	1216	30 S6	80,91 oct.Trees S.
WILL ROGERS (Oklahoma City)	7.5 SW;hwy E	1282	57h R2 L5 S6	80,91,100 oct.

TEXAS

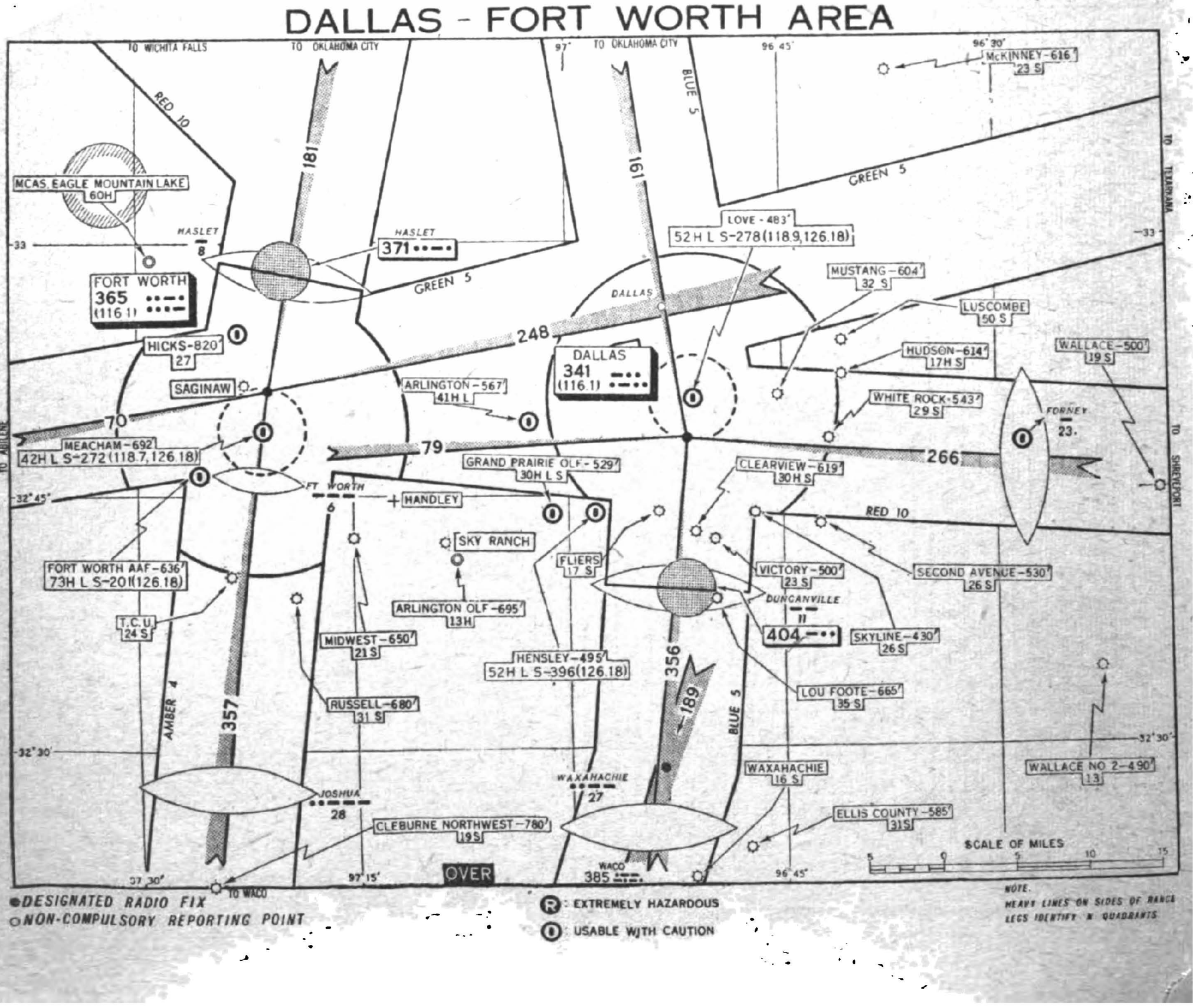
(N) Arlington-Midway	6.8 NNE;RR S	567	41h L5	Poles S.
(N) OLP (N)	4 SSW;rd W	695	13h	
Clearview (Dallas)	5.1 SSW;RR N	619	30h S6	80,91 oct.
Cleburne Northwest	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
(N) Eagle Mtn Lake MCAS (Newark) (N)	1 SSE;RR NE	745	60h	INACTIVE.
(P) Ellis Co. (Waxahachie)	3.5 NE;RR S	585	31 S2	73 oct.Pole line S.
Fliers (Dallas)	6.2 WSW;RR W	580	17 S4	80 oct.No sto.Trees S.
(A) Fort Worth AAF (A)	6.8 WNW;lake N	636	73h R1 L5 S6	73,91,100 oct.JP-1.
(N) Grand Prairie OLP (N)	1 WSW;RR N	529	30h L5 S4	73 oct.No ben.
Handley	0.6 NE;RR S	630	26 S6	73 oct.
(A,N) Hensley (Dallas)(A)(N)	11 WSW;hwy N	495	52h R1 L5 S4	73,91,100 oct.
Hicks (Fort Worth)	12.5 NNW;lk W	820	27	
→ Hudson (Dallas)	9.6 NE;RR SE	614	17h S6	80,91 oct.Pole line W.
Lou Foote (Dallas)	8.8 S;hwy E	665	35 S6	73,80,91 oct. Bldgs N,NE.
LOVE (Dallas)	5 NNW;RR SW	493	52h R3 L6 S6	73-100 oct. Poles S.
Luscombe (Garland)	2.2 WSW;RR N	610	50 S5	80 oct.No storage.
McKinney	2.1 S;hwy W	616	23 S2	80 oct.Poles E,W.
(P) MEACHAM (Fort Worth)	5.5 NNW;hwy NE	692	42h R2 L6 S6	73,80,91,100 oct.
Midwest (Fort Worth)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts.Pole line W,S.
Mustang (Dallas)	6 NNE;hwy NE	604	32 S6	80,91 oct.
(N) Russell (Fort Worth)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
Second Avenue (Dallas)	7 SE;RR N	530	26 S1	73,80 oct.Use strips.Poles S.
Skyline (Dallas)	3.2 SSE;riv E	430	26 S6	80,91 oct. Trees NW.
T. C. U. (Fort Worth)	6.6 SW;RR S	710	24 S6	80,91 oct.
Victory (Dallas)	4.6 S;hwy W	500	23 S6	73,80 oct.No sto.Pole line E.
Wallace (Terrell)	2 W;RR S	500	19 S2	80 oct.
Wallace #2 (Kaufman)	4 W;hwy N	490	13	
Waxahachie	1.5 SSW;hwys E	558	16 S1	73 oct.
White Rock (Dallas)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
Sky Ranch (Arlington,Tex.)	3 SW; RR N	590	25 S2	80 oct.
Saginaw (Tex.)	0.5 WNW;RR E	790	26 S6	80,91 oct.
Kingfish (Hinton,Okla)	3 N; hwy N		19 S1	80 oct. Data Unverified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

OKLAHOMA CITY AREA



DALLAS - FORT WORTH AREA

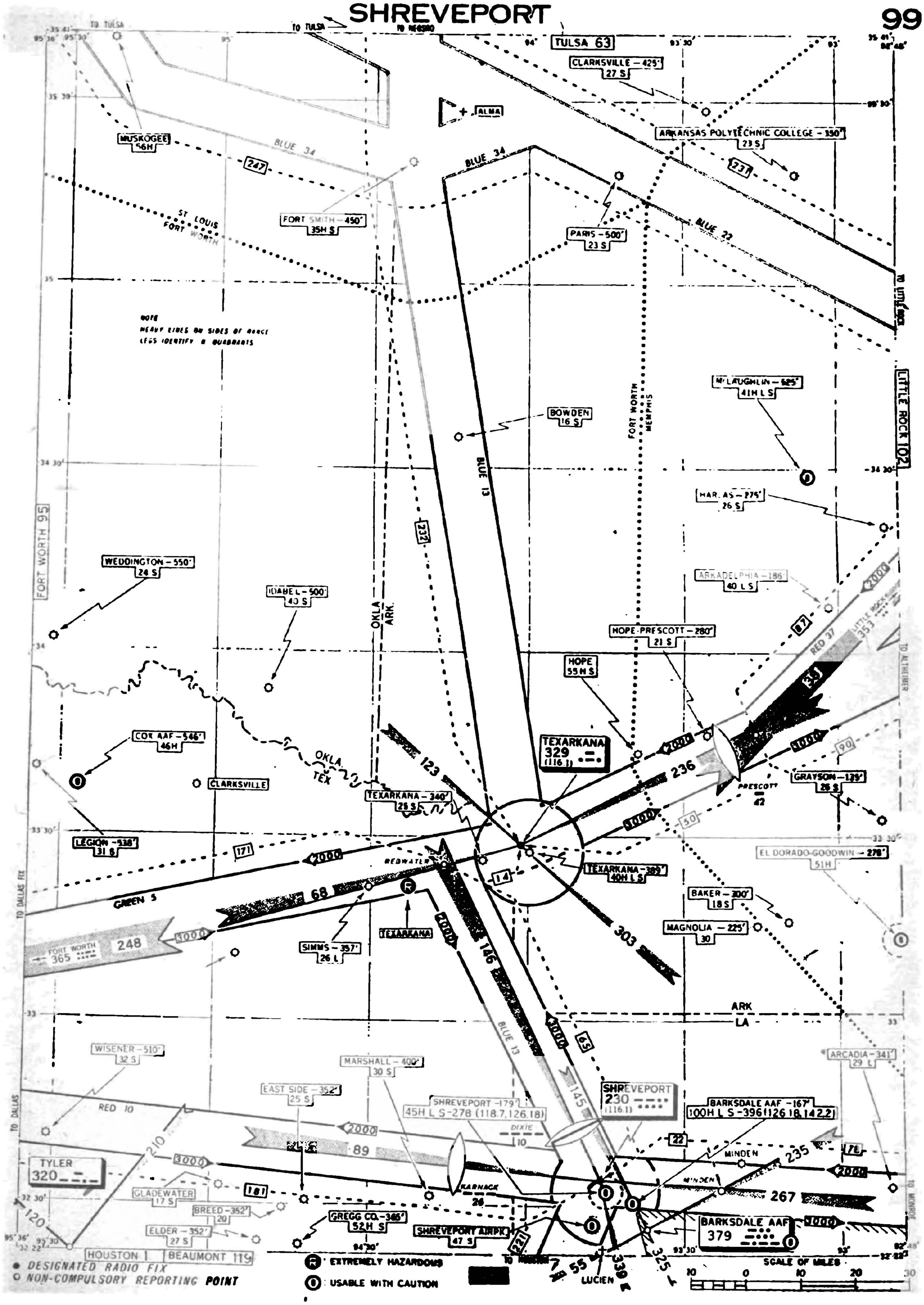


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ : EXTREMELY HAZARDOUS
Ⓓ : USABLE WITH CAUTION

NOTE.
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS

SHREVEPORT


TO TULSA
TULSA 63
CLARKSVILLE – 429'
27 S
ALMA
ARKANSAS POLYTECHNIC COLLEGE – 350'
23 S
MUSKOGEE
56H
247
BLUE 34
ST LOUIS
FORT WORTH
FORT SMITH – 450'
35H S
PARIS – 500'
23 S
BLUE 22
NOTE
HEAVY RIBS ON SIDES OF COURSE
LEGS IDENTIFY 8 QUADRANTS
FORT WORTH 95
WEDDINGTON – 550'
24 S
IDABEL – 500'
40 S
OKLA
ARK
232
BLUE 13
BOWDEN
16 S
FORT WORTH
MEMPHIS
MCLAUGHLIN – 625'
41H L S
LITTLE ROCK 102
HAR. AS – 275'
26 S
ARKADELPHIA – 186'
40 L S
HOPE-PRESCOTT – 280'
21 S
RED 37
353
HOPE
55H S
COX AAF – 546'
46H
CLARKSVILLE
OKLA
TEX
TEXARKANA – 340'
25 S
TEXARKANA
329
(116.1)
123
236
PRESCOTT
42
GRAYSON – 139'
25 S
LEGION – 538'
31 S
171
REDWATER
GREEN 5
68
TEXARKANA – 395'
40H L S
BAKER – 300'
18 S
MAGNOLIA – 225'
30
FORT WORTH
365
248
SIMMS – 357'
26 L
TEXARKANA
146
303
EL DORADO-GOODWIN – 278'
51H
WISENER – 510'
32 S
MARSHALL – 400'
30 S
EAST SIDE – 352'
25 S
SHREVEPORT – 179'
45H L S-278 (118.7,126.18)
RED 10
DIXIE
10
SHREVEPORT
230
(116.1)
BARKSDALE AAF – 167'
100H L S-396(126.18,142.2)
ARCADIA – 341'
29 L
210
89
TYLER
320
MINDEN
235
267
GLADEWATER
17 S
BREED – 352'
20
ELDER – 352'
27 S
GREGG CO. – 365'
52H S
SHREVEPORT AIRPK
47 S
BARKSDALE AAF
379
120
HOUSTON 1
BEAUMONT 119
LUCIEN
325
339
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO

ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT FM	(-)	FM, 56°, 42	Texarkana
TEXARKANA	329(TR)(116.1)	SBRAZ-VDT.123°,2.2	(4); 116.1

LOUISIANA

BARKSDALE(Shreveport)(Army)	379 (DBY)	SMRAZ	(3)
Barksdale Field	396(126.18,142.2)	CA(ILS);325°,4.4	(3); 126.18,142.2
DIXIE FM	(- - - -) +	FM, 326°, 10.2	Shreveport
SHREVEPORT	230(ZH)(116.1)	SBRAZ-VDT	(3); 116.1
Shreveport Airport	278(126.18,118.7)	AC; 146°, 1.8	(4); 142.74,131.9,118.7,126.18

TEXAS

KARNACK FM	(- - -)	FM, 269°, 26	Shreveport, La.
→ TYLER (Pounds)	320 (TQ)	BMRLZ-DT,120°, 1.6	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER (OUT & MILEAGE) (ELIS COMPASS LOCATIONS)		
Barksdale, La.	110.3	335	323°Mag.	(.07)	VM- (1.00)	OM- (4.39)
					MMK-	OMK-
Barksdale, La.	109.9		143°Mag.	(.25)	VM- .....(.64)	OM- -- (4.35)
					MMK-	OMK-
					MM-	OM-
					MMK-	OMK-
					VM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.

+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alma	1.5 SE		22 S2	80 oct. Data unver.
Arkadelphia,24,DL-LV	1.5 ENE,RR N	186	40 L3 S6	80 oct.Pole line N, NW.
Arkansas Polytechnic (Russellville)	1.3 N,hwy W	350	23 S6	73 oct. Pole line SE.
Baker (Magnolia)	4.3 E,hwy S	300	18 S6	80, 91 oct.Pole line SW.
Bowden (Mena)	1 E,RR NW	1177	16 S1	73 oct.
Clarksville	2.5 E,hwy S	425	27 S1	80 oct.Pole line WSW.
(P) El Dorado-Goodwin (El Dorado)	8.6 W,hwy S	278	51h	
FORT SMITH	4 SSE,RR S	450	35h L3 S6	80 oct.150' stacks W.
Grayson (Camden)	3.4 SW,RR S	135	26 S6	80,91 oct. No sto.
Greig (Van Buren) (NC)	4.1 E,RR 1.5 N	450	13	
Harbis (Malvern)	2.1 WSW,RR SE	275	26 S1	73 oct. Power line NE.
Hope	5 NNW,RR E	359	55h L3 S6	80,91 oct.Lgts prior req.Use rnwy.
Hope Prescott (Prescott)	3 SW,RR E	280	21 S6	80 oct.
(P) McLaughlin (Hot Springs)	3 SW,RR N	525	41h L5 S6	80 oct.Bldg,twr N.All lgts prior req.Avail.Army 0800-1600 week days only.
Magnolia	1.6 WSW,RR E	225	30	10' bldg SSW.
Norman (Ola)(NC)	1.8 NNE,hwy E	348	28	Pole line E.
Paris	1.8 NE,RR 1 S	500	23 S1	73 oct.Pole lines W,E,SW.
TEXARKANA	4 NE,RR W	389	40h R1 L5 S6	80,91,100 oct.

LOUISIANA

* Arcadia Int,26,FV-AG	4.5 E,RR S	341	29 L3 S2	No fuel. Pole line SW.
(A) Barksdale (Shreveport)(A)	5.8 E,riv W	167	100h R3 L5 S4	73,91,100 oct. JP-1.
Cross Lake (Shreveport)	7 WNW,RR NE	210	40	CAUTION. Data unver.
Lucien (Shreveport)	7 S	205	31 S4	80 oct.Data unver.
Minden	1.5 W,RR S	200	26 S4	80 oct.Trees sur fld.
Northeast Aviation (Bastrop)	2 WSW	90	17 S4	80 oct.No sto. Data unver.
(P) SHREVEPORT	2.5 NNE,riv E	179	45h R2 L5 S6	73,80 oct.
Shreveport Airpark	4.5 SSW,bet RRs	300	47 S6	80,91 oct.Pole line SE.

OKLAHOMA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Heavener (NC)	2 N,hwy W	575	27	
(P) Idabel	1.3 NW,RR E	500	40 S2	80 oct.
(P) Muskogee	5.5 S,RR W	610	56h	Hill SW.
Nashoba (NC)	0.8 SE,riv S	625	13	PRIVATE.
Poteau (NC)	1.5 SSW,hwy W	460	15	
Weddington (Hugo)	1.9 NW,hwy SW	550	24 S1	80 oct. Pole line E.

TEXAS

Breed (Longview)	2 W,RR N	352	20	Pole line around fld.
Clarksville	2.8 NNW,RR SW	480	20 S6	73,80 oct
(A) Cox AAF (Paris)(A)	6.5 ESE,RR N	546	46h	INACTIVE.
East Side (Longview)	2.4 NE,RR S	352	25 L S6	80,91 oct.Port rnwy lgts. Pole line S.
Elder (Kilgore)	2.5 NE,RR E	352	27 S6	80,87,91 oct.Pole line W.
Gladewater	2 WNW,RR S	550	17 S6	73 oct.No sto.Pole line N,S.
(P) Gregg County(Longview)	7.2 S,riv N	365	52h S1	80, 91 oct.
Holmes (Gilmer)(NC)	4 N,RR W	370	23	Pole line W. Cattle on fld.
Legion (Paris)	1.9 NW,RR E	538	31 S6	80 oct.Pole line E.
Mt. Pleasant	2.8 ENE,RR S	393	20 S1	80 oct.
Marshall	3.9 SE,hwy N	400	30 S6	73 oct. Pole line N.
* Simms Int, 14, DL-LV	1 NE,hwy E	357	26 L3	Pole line E, S.
Texarkana	6 W,RR N	340	25 L S6	80, 91 oct Flare pots in emerg.
Wisener (Mineola)	1.5 NW,hwy S	510	32 S2	73 oct.

h-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page XIII) NC-(not charted). → New or revised data

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ADAMS FIELD (Little Rock)	278 (126.18,118.5)	C	(4); 126.18,118.5,131.9
BRUINS FM	(- - - -)	FM; 240°, 24	Memphis, Tenn.
LITTLE ROCK (Adams Field)	353 (LI)(116.1)	SBRAZ-VDT,313°,3.8	(3); 116.1
STUTTGART	269 (DSA)	MRLWZ,173°, 4.7	
LOUISIANA			
MONROE (Selman)	359 (UO)(116.1)	SBMRLZ-VDT,25°,2.8	(4); 116.1
MISSISSIPPI			
FLORA FM	(-)	FM, 356°, 13	Jackson
GREENWOOD	281 (GD)(116.1)	BMLZ-VDT, 265°,1.9	(4); 116.1
JACKSON	260 (JA)(116.1)	SBRAZ-VDT,173°,2.4	(3); 116.1
NESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
VICKSBURG	382 (VS)(116.1)	MHVT	(4); 116.1
TENNESSEE			
CUBA FM	(-)	FM, 356°, 20.5	Memphis

S-Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

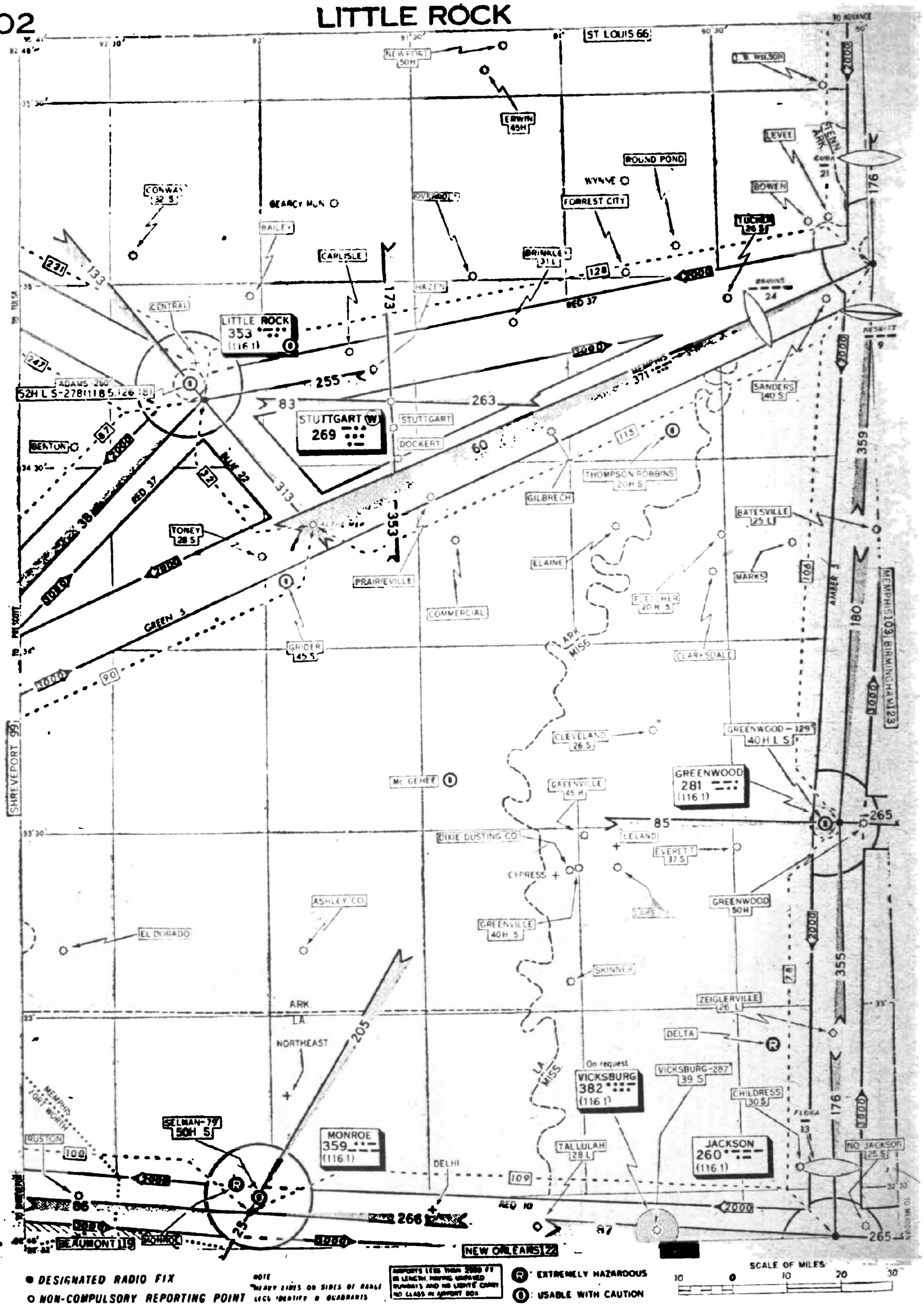
AIRPORTS

ARKANSAS

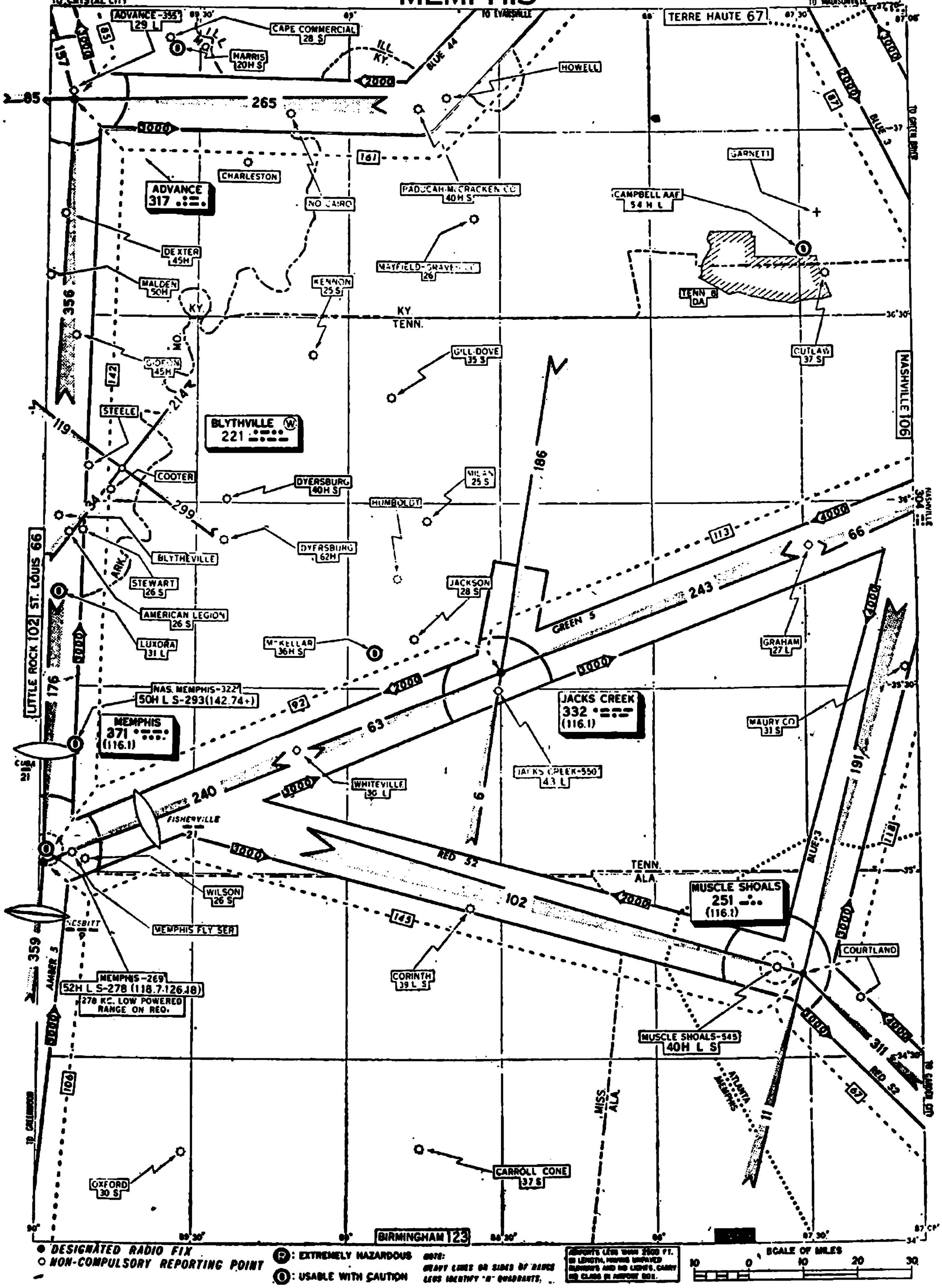
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) ADAMS (Little Rock)	4 E,RR W	260	52h R2 L5 S6	80,91 oct.;73,100,JP-1 mil.acft.
Ashley Co.(Crossett)	5.5 NE,RR E	160	21 S1	Ltd 80 oct.Obsts surround fld.
Bailey (Cabot)	0.5 W,RR E	270	16 S1	80 oct. Trees surround fld.
Benton	1.6 W,RR S	300	20 S6	80 oct,Poles S.
Bowen (West Memphis)	1 5 W,hwy N	215	17 L S6	80 oct.Flood lgts.; port rnwy lgts. Poles SE.
(P) Brinkley, 37, DL-LV	1 E,RR N	188	31 L3 S1	80 oct days, Obst NW,
Carlisle (Stuttgart)	26 NW,RR S	236	45h	
Central (Little Rock)	4.5 NE,RR S	255	35 S4	80 oct, Trees W' Data unver,
Commercial (De Witt)	2.4 W,RR N	196	24 S4	80 oct.Poleline E.
(P) Conway	1.5 SE,hwy W	309	32 S6	80 oct.
Dockery (Stuttgart)	1.5 NNW	214	24 S2	73,80 oct. Pole line N,S,E.
Elaine	1.3 N,RR E	170	18 S2	80 oct. Trees S, SE.
EL DORADO	1.5 S,RR W	265	24 S6	80 oct.
Erwin (Newport)	2.5 SSE	220	45h	
Forrest City	0.7 W,hwy SE	226	22 S2	80 oct. Bldg S.
Gilbrech (Palmer)	0.2 NE,RR S	178	17 S2	80 oct.N/S strip rough.Poles W.
(P) Grider (Pine Bluff)	5.5 SE,hwy N	210	45 L S6	73,80 oct. Port rnwy lgts.
Hazen (Stuttgart)	18.7 NNW,RR N	225	45h	
J.B. Wilson (Joiner)	0.5 ENE,hwy W	225	15	Trees NE.
Levee (West Memphis)	2.4 E,RR N	215	24 L S4	Ltd 73 oct.Port rnwy lgts.Poleline N, S.
McGehee	0.6 NNW,RR E	145	30 S1	80 oct. Hwy E.
Newport	6 ENE,hwy N	237	50h	
Overholt (Cotton Plant)	3 W,RR NE	250	18 S1	Ltd 80 oct.
Prairieville (Stuttgart)	8.2 SE	205	45h	
Round Pond	1.5 NNW,hwy N	200	22 S2	80 oct.
Searcy	2.8 S,RR E	260	14 S1	80 oct, Pole line NE, SE
Stuttgart	7 N,RR E	230	50h	
Thompson-Robbins (Helena)	6 NW, RR S	242	20h S6	73, 80 oct.
Tony (Pine Bluff)	2 5 N,hwy W	215	28 S2	73,80 oct. Twr NW lgtd.
Tucker (Hughes)	1.1 S,RR W	205	26 S2	80 oct.
Wright (Monticello)	1 ENE,hwy S	230	15	Pole line S.
Wynne	3.2 N,RR E	212	17 S2	80 oct. Pole line E,SE.
LOUISIANA				
Delhi Flying Service (Delhi)	0.5 N	95	23 S4	80 oct.Poleline E,Data unver.
Monroe Airpark	2.5 N,riv W	77	20 S4	73 oct.
Ruston	1.2 SE,RR N	317	32 L S6	80,91 oct.Lgts prior req.1600' rnwy hard surface.
SELMAN (Monroe)	4.6 E,RR N	79	50h R1	80,91 oct,
* Tallulah Int,36,FV-AG	2.4 ENE,RR S	84	28 L3	Beacon S.
MISSISSIPPI				
Augustine (Jackson)(NC)	11.5 NE,riv SE	335	40	
* Batesville Int,29,NO-LS	3 W,hwy SE	205	25 L3	Poles N, lgtd.
Canton (NC)	1.4 WNW,RR E	300	38	Tank E.
Childress (Flora)	1.5 NNW,RR E	186	30 S1	73 oct.Trees, bldg N
Clarksdale	1.5 SE,hwy NW	175	22 S6	73 oct, Use strips only.
Cleveland	2 NW,hwy S	400	26 S6	73 oct.
Cole (Heads)(NC)	3 NE,RR W	118	16	
Cypress (Greenville)	1.5 SSW,lake E	120	28 S1	80 oct. Data unver.
Delta (Yazoo)	3.3 NNE,RR SE	115	21 S1	73 oct.Pole line N,
Dixie Dusting Co. (Greenville)	2 SE,RR,hwy N	118	16 S4	73 oct. No sto.
Everett (Moorhead)	1 SE,RR N	127	37 S6	73 oct, No sto.
Fletcher (Clarksdale)	8 NNE,RR W	175	20h S6	80, 91 oct.
Greenville, mun.	3.5 ESE,hwy N	118	40h S1	80, oct.
Greenville	6.5 NE,road W	131	45h	
GREENWOOD, mun.	2.3 SW,RR SE	129	40h R1 L5 S2	73,80 oct,Pole line E,SE.
Greenwood	5.8 ESE,hwy N	162	50h	
Lakeview Airpark (Leland)	1.7 SE,lake E	120	18 S4	73 oct.No sto.Data unver.
Leland	3 NNE		23 S4	80 oct.No sto.Pwrline NW. Data unver.
Marks	1.5 NW,hwy N	106	22 S1	73 oct.
North Jackson Arpk.(Jackson)	7.5 NE,hwy E	300	25 S4	80 oct.No sto.Trees S.
(P) Sanders (Wallis)	1.8 S,hwy NW	210	40 S6	73,80 oct.Trees E.
Skinner (Glen Allan)	4 N,lake W	110	18 S1	73 oct.
Vicksburg	6.8 NE,hwy W	287	39 R1 S4	80,91 oct.
* Zeiglerville Int,19,NO-LS	3 SW,riv N	248	26 L2	Twr SE.Trees E,S,SE.

h hard surfaced runways R-radio facilities L lighting facilities S servicing (See page xiii) NC-(not charted) → New or revised data

LITTLE ROCK


ST LOUIS 66
NEWPORT 50H
ERWIN 49H
J. B WILSON
LEVEE
ROUND POND
WYNNE
FORREST CITY
BOWEN
TUCKER 26 S
CONWAY 32 S
BEARCY MUN
BAILEY
CARLISLE
BRINKLEY 31 L
HAZEN
RED 37
CENTRAL
LITTLE ROCK 353 (116.1)
ADAMS 260
52H L S-278(118.5 126.1)
STUTTGART 269
STUTTGART
DOCKERY
BENTON
RWY 22
TONEY 28 S
PRAIRIEVILLE
GILBRECH
THOMPSON ROBBINS 20H S
SANDERS 40 S
BATESVILLE 25 L
ELAINE
MARKS
COMMERCIAL
FLETCHER 20H S
CLARKSDALE
GRIDER 45 S
GREEN 3
CLEVELAND 26 S
GREENWOOD – 129 40H L S
GREENWOOD 281 (116.1)
Mc GEHEE
GREENVILLE 45 H
DIXIE DUSTING CO
LELAND
EVERETT 37 S
CYPRESS
GREENWOOD 50H
GREENVILLE 40H S
ASHLEY CO
EL DORADO
SKINNER
ZEIGLERVILLE 26 L
DELTA
ARK LA
NORTHEAST
VICKSBURG 382 (116.1)
VICKSBURG-287 39 S
CHILDRESS 30 S
TALLULAH 28 L
JACKSON 260 (116.1)
NO JACKSON 25 S
MONROE 359 (116.1)
SELMAN-79 50H S
RUSTON
DELHI
BEAUMONT 119
MONROE
NEW ORLEANS 22
MEMPHIS 103
BIRMINGHAM 123
SHREVEPORT 99
MEMPHIS FORT WORTH
AMBER 3
ARK MISS
LA MISS
BRAUNS 24
NESBITT 9
FLORA 13
30 ADVANCE
2000
1000
176
359
355
180
265
266
205
133
231
247
97
38
83
263
313
353
60
115
85
371
RED 10
RED 37
100
109
87
7.8
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE B QUADRANTS
AIRPORTS LESS THAN 2000 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

MEMPHIS


TO CRYSTAL CITY
ADVANCE-335
29 L
CAPE COMMERCIAL
28 S
HARRIS
20H S
ILL
KY.
BLUE 44
TO EVANSVILLE
HOWELL
TERRE HAUTE 67
TO MADISONVILLE
TO CATLETTSBURG
BLUE 3
GARNETT
CAMPBELL AAF
54 H L
TENN. B
DA
CUTLAW
37 S
I-65
265
161
CHARLESTON
ADVANCE
317
NO CAIRO
PADUCAH-McCRACKEN CO
40H S
MAYFIELD-GRAVES CO
26
DEXTER
45H
MALDEN
50H
KENNON
25 S
KY.
TENN.
MO.
356
142
214
GIDEON
45H
GILL-DOVE
35 S
NASHVILLE 106
STEELE
119
BLYTHVILLE
221
COOTER
DYERSBURG
40H S
MILAN
25 S
HUMBOLDT
186
34
299
DYERSBURG
62H
BLYTHEVILLE
ARK.
STEWART
26 S
ST. LOUIS 66
LITTLE ROCK 102
AMERICAN LEGION
26 S
LUXORA
31 L
W-KELLAR
36H S
JACKSON
28 S
GREEN 5
GRAHAM
27 L
113
66
243
NAS. MEMPHIS-322
50H L S-293(142.74+)
MEMPHIS
371
(116.1)
92
63
JACKS CREEK
332
(116.1)
MAURY CO
31 S
JACKS CREEK-550
43 L
WHITEVILLE
30 L
240
FISHERVILLE
21
6
191
RED 52
TENN.
ALA.
MUSCLE SHOALS
251
(116.1)
WILSON
26 S
MEMPHIS FLY SER
149
102
COURTLAND
359
AMBER 3
MEMPHIS-269
52H L S-278 (118.7-126.48)
278 KC. LOW POWERED
RANGE ON REQ.
CORINTH
39 L S
MUSCLE SHOALS-549
40H L S
311
MISS.
ALA.
ATLANTA
MEMPHIS
11
67
176
106
OXFORD
30 S
CARROLL CONE
37 S
BIRMINGHAM 123
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
P: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF AIRWAYS LEGS IDENTIFY "U" QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT DIR.
SCALE OF MILES
10 0 10 20 30

RADIO

LOCATION	FREQ., IDENT	STA CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
MUSCLE SHOALS	251 (ED)(116.1)	SBRAZ-VDT, 282°, 4.5	(b); 116.1
ARKANSAS			
BLYTHEVILLE	224 (LY)	RLWZ, 225°, 13.6	
KENTUCKY			
MISSISSIPPI			
HESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
MISSOURI			
ADVANCE (Int.)	317 (AP)	SBRAZ-DT, 354° 1.5	(4)
TENNESSEE			
CUBA FM	(-)	FM, 356°, 20.5	Memphis
FISHERVILLE FM	(- -)	FM, 60°, 20.5	Memphis
JACKS CREEK (Int.)	332 (JK)(116.1)	SBRAZ-VDT, 186°, 2.62	(4); 116.1
MEMPHIS	371 (PS)(116.1)	SBRAZ-VDT	(3); 116.1
Memphis Airport	278(126.1,118.7)+	AC(ILS);356°,2.1	(4); 121.9, 118.7 See Memphis Notice to Airmen
Memphis Airport	278	MLW	(On request only)
Memphis NAS	293 (142.74)	CM	3105; 142.74 (6-24)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Memphis, Tenn.	109.5	333.8	90°Mag.	IM-	MM-	OM- — (4.9)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Courtland	1.5 SW; RR N	588	50h	
Muscle Shoals	1.5 E; dam NNW	545	40h R1 L5 S6	80, 91 oct.
ARKANSAS				
American Legion (Blytheville)	1.5 ESE; RR N	260	26 S6	80 oct. Pole line N. W. Stack E.
Cooter (Blytheville)	10 NE	260	40h	
★ Luxora Int, 39, MO-LS	1 WNW; hwy S	240	31 L2	
Steele (Blytheville)	12.3 N	258	40h	
Stewart (Blytheville)	2.2 E; RR S	254	26 S2	80 oct.
Blytheville	3 NW; RR SW	254	50h	
ILLINOIS				
North Cairo (Cairo)	3 WNW; RR E	312	24 S4	73 oct.
KENTUCKY				
(A) Campbell AAF (Hopkinsville)(A)	12.8 S; RR E	557	54h L5	75,100 oct.
Garnett (Hopkinsville)	6 SSE; hwy W		23 S1	80 oct. Data not verified.
Howell (Paducah)	4 WNW; RR S	371	21 S6	80 oct.
Mayfield-Graves County	3.6 ENE; hwy S	543	26	
PADUCAH-McCRACKEN CO. (Paducah)	8.8 W; RR N	405	40h S6	80, 91 oct. No sto.
MISSISSIPPI				
(P) Carroll Conc (Tupelo)	3 W; hwy S	338	37 S1	80 oct.
Corinth 7, MS-TN	5 WSW; hwy N	418	39 L3 S5	80,91 oct.
(P) Oxford	8 S; riv N, W	400	30 S2	73 oct.
MISSOURI				
★ Advance Int, 48, MO-LS	0.8 WSW; RR S	355	29 R1 L3	
Cape Commercial (Cape Girardeau)	4.8 SW; RR S	340	28 S6	80,91 oct. 8' dike S.
Dexter (Malden)	12.5 NNE	315	45h	
Harris (Cape Girardeau)	6.5 SSW; hwy E	340	20h S6	80, 91 oct.
Harvey Parks (Sikeston)(NC)	2 NE; RR S	315	66	Pole line W. Allwy area.
Malden	3.5 NW; RR E	296	50h	
Gideon (Malden)	1 SE of Gideon	268	45h	
TENNESSEE				
Dyersburg	9 S; RR E	289	62h	
Dyersburg, mun.	2 SW; riv N	337	50h S4	80 oct. No sto.
Embry Riddle (Union City)	5 ESE; riv WNW	340	18h	Allway: 4620 x 3960'.
(P) Gill-Dove (Martin)	3.5 S; hwy E	416	35 S6	80 oct.
★ Graham Int, 59, DI-LV	1.5 NW; hwy E	536	27 L3	
Humboldt	4.6 ESE; hwy W	380	15 S1	80 oct.
★ Jacks Creek Int, 53, DI-LV	2 N; hwy E	550	43 R1 L3	
Jackson	2.5 ENE; hwy NW	450	28 S6	80 oct.
Kenton (Union City)	5.2 WSW; hwy N	350	25 S6	80 oct. No sto. Pole line N.
(P) McKellar (Jackson)	5.8 W; RR S	410	36h S6	80 oct.
Maury County (Mt. Pleasant)	2.5 ENE; RR SW	672	31 S2	80 oct. Pole line NW.
→ (A) MEMPHIS	5.9 SSE; RR NE	269	52h R3 L6 S6	73, 91, 100 oct. JP-1. Radio required. Obst W, SE, S, NW.
Memphis Flying Service (Memphis)	11 SE; RR 3 NW	286	35 L4 S6	80,91 oct. Pole line S. No ben. Lgts prior req.
(M) Memphis NAS (M)	16 NNE; RR NW	322	50h R1 L5 S6	91, 100 oct. NATS. Rnwy, lgtg info not ver.
Milan	2.8 NNE; RR SE	421	25 S5	80, 91 oct.
Outlaw (Clarksville)	7.4 NNW; RR W	550	37 S5	80 oct.
Wilson (Memphis)	11.5 SE; hwy W	320	26 S6	73 oct.
★ Whiteville Int, 49, DI-LV	0.6 NNW; RR E	494	30 L3	
Charleston (Mo.)	1 ESE; RR SW	300	31 S2	80 oct. Poles S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page 2111) (NC)-Not charted. → NEW OR REVISED DATA

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
GARDEN CITY FM	(. . -)	FM, 358°, 28	Birmingham
KENTUCKY			
BOWLING GREEN	368 (BA)	SBMRAZ-DT, 296°, 3.8	(4)
TENNESSEE			
BERRY FIELD (Nashville)	278(118.3,126.18)	AC (ILS)	(4);126.18,118.3,131.9,
CHATTANOOGA	341 (CB)(116.1)	SBRAZ-VDT	(4);116.1
Chattanooga-Lovell Field	278(126.18.118.9)	C, 203°, 3	(4);126.18.118.9
FAIRVIEW FM	(- - -)	FM, 246°, 28	Nashville
GREEN BRIER FM	(- - - -)	FM, 331°, 23	Nashville
KINGSTON FM	(- - - -)	FM, 276°, 27.5	Knoxville
MT. JULIET FM	(-)	FM, 66°, 9.6	Nashville
NASHVILLE (Berry)	304 (NA)	SBRAZ-DT, 245°, 2.6	(3)
SMITHVILLE (Int)	347 (XM)(116.1)	SBMRAZ-VDT, 177°, 1.4	(4):116.1
SMYRNA AAF (Nashville)	219 (126.18)-	CA (ILS)	(3):126.18
WALTERHILL FM	(- -)	FM, 129°, 19.6	Nashville

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
→ BERRY, TENN.-	109.9		14° Mag.	IM	MM (.81)	OM (4.17)	
					MMK	OMK	
SMYRNA AAF, TENN.	109.5	335	230° Mag.	IM (.04)	MM ..... (.81)	OM -- (4.31)	
					MMK	OMK	

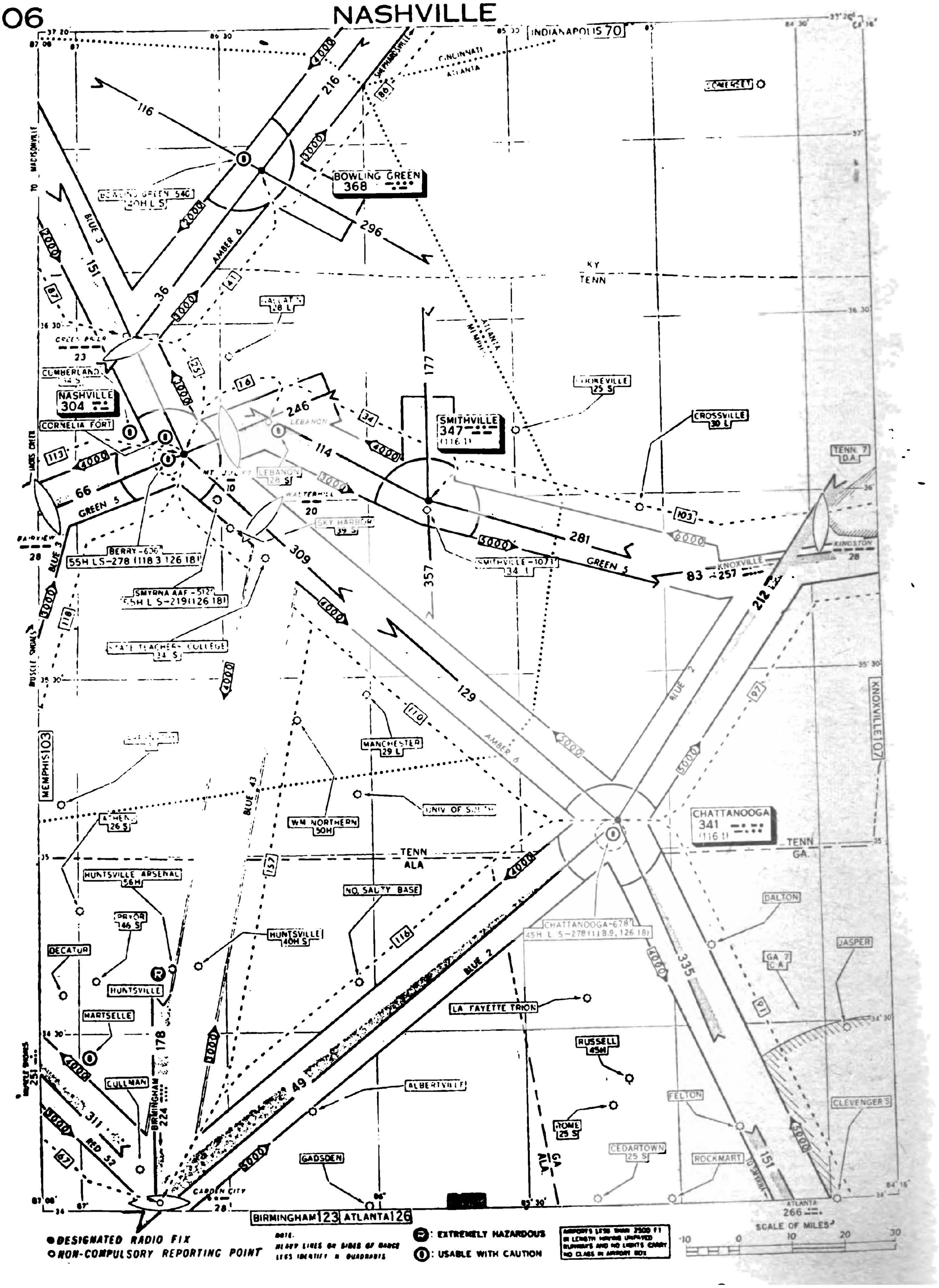
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ALABAMA

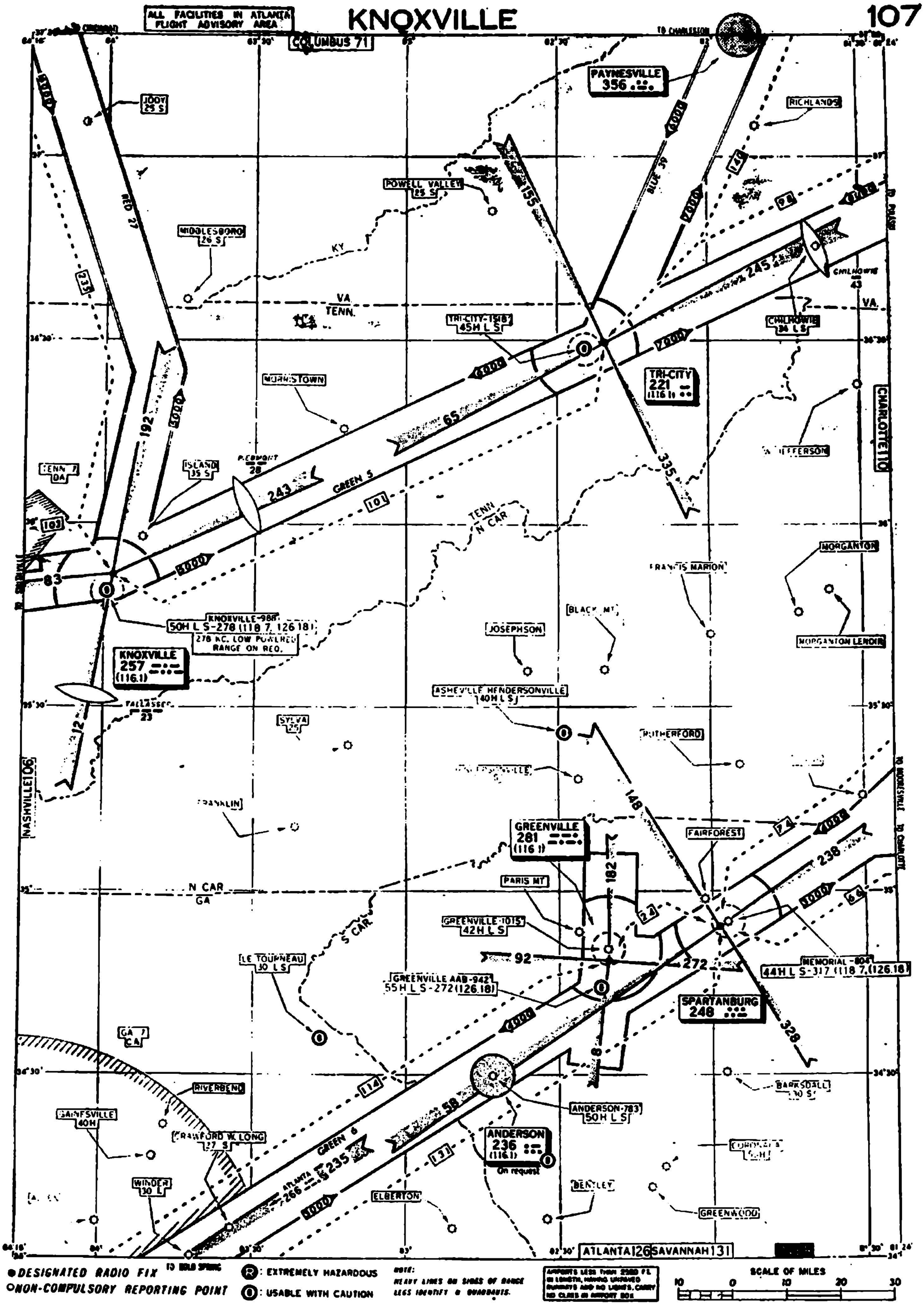
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Albertville	1 NW;RR NE	1063	15 S1	80 oct.
Athens	3.2 NNW;hwy E	690	26 S2	80 oct. Lgt acft only.
Beaver Dam (Decatur)(NC)	7 E;RR W	580	20	
Centre (NC)	0.6 NNW;RR E	720	23	
Cullman	5 SSE;RR E	740	15 S2	73 oct.
Decatur	4 WNW;hwy W	577	19	Pwr line N.
Gadsden	1.9 SW;hwy N	540	20 S2	80 oct. Fld rough.
Guntersville Dam (NC)	9.1 NW;hwy E	600	30	
Hartselle	1 WSW;hwy N	588	18	
HUNTSVILLE	3.1 S;RR E	610	40h S1	80 oct.
(A) " Arsenal (A)	7 SW;RR NW	677	56h	
North Sauty Base (Scottsboro)	3.2 SSW;RR NNE	610	20 S1	80 oct.
Pryor (Decatur)	4 NNE;hwy W	588	46 S4	80,91 oct.
GEORGIA				
Cedartown	1 N;road S	850	25 S4	80 oct. Pole lines N,W; hill SW.
Clevenger's Airpark (Marietta)	5 NE;RR W	1080	14 S4	Ltd 80 oct. No storage.
Dalton	5.7 ESE	700	22 S1	80 oct.
Felton (Cartersville)	2.5 N	790	23	Hills S,W,N; Wires E,W.
Jasper	1 N;RR W	1935	17 S2	80 oct.
La Fayette-Trion (Trion)	3 NNE;RR W	722	21 S1	80 oct. Hwy E.
Rockmart	2 ENE;RR W	800	20 S1	80 oct. Pole line W.
Rome	3 NW;RR S	669	25 S6	80 oct. No storage.
(P) Russell (Rome)	7 N;hwy W	644	45h	
KENTUCKY				
(P) Bowling Green	2.5 SSE;hwy W	540	40h R1 L5 S4	80,91 oct.No sto.Fld lgts prior req.
Somerset	5 N; RR W		20 S2	80 oct. Data not verified.
TENNESSEE				
(P) Abernathy (Pulaski)	3.6 SSW;hwy NE	650	31 S1	80 oct. Trees E.
(P) BERRY (Nashville)	6 SE;hwy S	606	55h R3 L6 S6	73,100 oct.
Boyd (McMinnville)(NC)	4.6 SW;RR N	1000	20	
CHATTANOOGA	5.5 E;RR E	678	45h R2 L5 S6	80,91 oct.
Cookeville	1.5 NNE;RR N	1050	25 S4	80 oct. Sto in emerg. Poles W.
Cornelia Fort (Nashville)	4 ENE;riv E	420	30 S6	80 oct. Data not verified.
Crossville,9,NA-WA	3.3 WNW;hwy S	1862	30 L3	
Cumberland (Nashville)	3 NNW;riv N	400	34 S6	80 oct. No storage.
★ Gallatin Int,66,DL-LV	1.5 NW;hwy NE	557	28 L3	
Lebanon	1.8 SW;hwy E	522	28 S6	73 oct. No storage.
★ Manchester Int,16A,AO-NA	4.5 ESE;hwy SW	1090	29 L3	53' trees W,N.
Sky Harbor (Murfreesboro)	7.3 NW;hwy SW	560	39 S6	73 oct. No storage. Poles NE.
★ Smithville Int,5,NA-WA	1 E;road S	1073	34 R1 L3	
(A) Smyrna AAF (Nashville)(A)	17 SE;RR SW	512	55h R3 L5 S6	73,91,100 oct. JP-1. No rng.
State Teachers College(Murfreesboro)	2 E;hwy N	600	34 S4	80 oct. No storage. Poles N.
University of South (Cowan)	1.8 WNW;RR NE	870	23 S2	80 oct.
William Northern (Tullahoma)	2 WNW;road S	1081	50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

NASHVILLE


INDIANAPOLIS 70
CINCINNATI
ATLANTA
BOWLING GREEN
368
116
216
296
4000
3000
BLUE 3
151
AMBER 6
36
GREEN 5
BOWLING GREEN 54G
30H L S
TO MACKSONVILLE
KY
TENN
CUMBERLAND
23 S
NASHVILLE
304
CORNELIA FORT
113
66
GREEN 5
BERRY-606
55H LS-278 (118 3 126 18)
SMYRNA AAF-512
55H L S-219(126 181
STATE TEACHERS COLLEGE
34 S
246
LEBANON
114
LEBANON
28 S
WALTERHILL
20
SKY HARBOR
39 S
SMITHVILLE
347
(116 1)
177
357
SMITHVILLE-107
34 1
281
GREEN 5
309
129
AMBER 6
MANCHESTER
29 L
UNIV OF SOUTH
WM NORTHERN
50H
BLUE 43
157
NO. SALTY BASE
HUNTSVILLE
40H S
116
TENN
ALA
HUNTSVILLE ARSENAL
56H
PRYOR
46 S
DECATUR
HUNTSVILLE
MARTSELLE
178
CULLMAN
BIRMINGHAM
224
311
RED 52
67
CADDEN CITY
GADSDEN
ALBERTVILLE
LA FAYETTE TRION
BLUE 2
49
CHATTANOOGA-678
45H L S-278(118.9, 126 18)
335
CHATTANOOGA
341
(116 1)
TENN
GA.
DALTON
GA 7
C A
JASPER
RUSSELL
45H
ROME
25 S
CEDARTOWN
25 S
FELTON
ROCKMART
151
CLEVENGER'S
ATLANTA
266
CROSSVILLE
30 L
TENN. 7
D.A.
KINGSTON
28
KNOXVILLE
257
212
83
103
97
91
MEMPHIS 103
BUSCH BRANCH
251
BUSCH BRANCH
MOSS CREEK
BAYVIEW
28
BLUE 3
110
10
16
25
34
87
41
LOVELLSVILLE
21
CORNELIA
23
SMITHVILLE
25 S
BOWLING GREEN
18 L
ATLANTA
MEMPHIS
BIRMINGHAM 123
ATLANTA 126
SCALE OF MILES
-10
0
10
20
30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES OR BARS OF RADIO LEGS IDENTIFY A QUADRANT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
AIRPORTS LESS THAN 7500 FT OR LENGTH HAVING UNPAVED RUNWAYS AND NO LIGHTS CARRY NO CLASS IN AIRPORT BOX

KNOXVILLE


ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA
COLUMBUS 71
PAYNESVILLE 356
JODY 25 S
RICHLANDS
POWELL VALLEY 25 S
MIDDLESBORO 26 S
KY
VA
TENN.
TRI-CITY-TRI 45H L S
CHILHOWIE 34 L S
RED 27
BLUE 39
155
245
235
TRI-CITY 221
MORRISTOWN
65
192
243
GREEN 5
ISLAND 35 S
PEDIGO 28
TENN 7 DA
CHARLOTTE 110
JEFFERSON
335
101
103
83
TENN
N CAR
KNOXVILLE-988
50H L S-278 (118.7, 126.18)
278 AC. LOW POWERED RANGE ON REQ.
KNOXVILLE 257
(116.1)
JOSEPHSON
BLACK MT
MORGANTON
FRANCIS MARION
MORGANTON LENOIR
ASHEVILLE HENDERSONVILLE 40H L S
SYLVA 25
FALLASEE 23
NASHVILLE 106
FRANKLIN
RUTHERFORD
148
GREENVILLE 281
(116.1)
PARIS MT
182
FAIRFOREST
238
GREENVILLE-101S 42H L S
92
272
MEMORIAL-804
44H L S-317 (118.7, 126.18)
SPARTANBURG 248
328
LE TOURNEAU 30 L S
GREENVILLE AAB-942 55H L S-272 (126.18)
GA
CA
RIVERBEND
GAINESVILLE 40H
CRAWFORD W LONG 27 S
GREEN 6
ATLANTA 266
235
ANDERSON 236
(116.1)
On request
ANDERSON-783 50H L S
BARKSDALE 30 S
WINDER 30 L
ELBERTON
BENTLEY
GREENWOOD
ATLANTA 126
SAVANNAH 131
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS IDENTIFY 6 QUADRANTS.
AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SOA
SCALE OF MILES
10 0 10 20 30

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
SOUTH CAROLINA			
ANDERSON	236 (AS)(116.1)	MHVT	(4); 116.1
GREENVILLE	281 (GC)(116.1)	BMLZ-VDT, 2°, 2	(4); 116.1
Greenville AAB	272 (126.18)+	CA	(3); 126.18
MEMORIAL AIRPORT, (Spartanburg)	317 (126.18) (118.7)	C	(4);118.7,126.18,131.9
SPARTANBURG (Memorial Arpt)	248 (SU)	SBRAZ-DT,58°,1.6	(3)
TENNESSEE			
KNOXVILLE	257 (KX)(116.1)	SBRAZ-VDT	(3); 116.1
Knoxville Airport	278 (126.18) (118.7)	C(ILS), 192°, 2.8	(4); 118.7, 126.18, 131.9
Knoxville Airport	278	(Low powered range)	(4) (on req.)
PIEDMONT FM	(- -)	FM, 66°, 28	Knoxville
TALLASSEE FM	(- - -)	FM, 192°, 23	Knoxville
TRI-CITY	221 (TI)(116.1)	SBMRAZ-VDT,252°, 3.3	(4), 116.1
VIRGINIA			
CHILHOWIE FM	(-)	FM, 65°, 43	Tri City, Tenn.
WEST VIRGINIA			
PAYNESVILLE	356 (IR)	H	Operated by P.C.A. (6-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				FM-	MM- ·-·- 0.6	OM- — — 4.5
Knoxville, Tenn.	110.3	335	40°Mag.		MMK-	OMK-

S-Simul Range and Voice, W-Without Voice, Z VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs. (4) 3105 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
GEORGIA				
Allen (Buford)	1.5 S,hwy SW	1070	15 S1	80 oct. Pole line SW.
Crawford W. Long (Jefferson)	2.5 S,RR E	950	27 L1 S1	80 oct. Pole line SE.
Elberton	2 SE,hwy W,N	710	16 S1	80 oct. Obst sur fld.
(N) Gainesville (N)	1.5 S,RR E,NW	1277	40h	C-L-O-S-E-D.
(P) Le Tourneau (Toccoa)	2.5 NE,RR S	950	30 L3 S4	80, 91 oct.
Riverbend(Gainesville)	4.5 N, in bend of river	1200	17 S1	80 oct.Steep grade NNW end.
★ Winder Int,4,AG-LG	1.5 NE,bet rds	950	30 L3	Trees, bldg N.
KENTUCKY				
Jody (London)	3 S,hwy E	1240	25 S2	80 oct.
Middlesboro	1.2 W,hwy S	1150	26 S4	80 oct.
NORTH CAROLINA				
ASHEVILLE-HENDERSONVILLE (Ashev'l)	11.5 SSE,RR W	2090	40h L5 S4	73, 80, 91, 100 oct.
Black Mountain	1.8 SW,RR N	2270	15 S1	80 oct. Soft.
Byers (Shelby)	3 SE,RR SW	875	16 S4	80 oct
Francis Marion (Marion)	2.5 NE,RR NE	1450	19 S4	80,91 oct.
Franklin	1.2 ESE,riv W	1996	26 S2	80 oct.
Hendersonville	1.5 ESE,hwy SW	2200	30 S6	80, 91 oct.
Josephson (Asheville)	3 W,riv E	2200	20 S1	Ltd 80 oct. Trees NW,SE.
Morganton	2 NW,riv E	1024	16 S2	80 oct.
Morganton-Lenoir (Morganton)	7.5 NE,hwy W	1253	33 S2	80,91 oct
Rutherford(Spindale)	1.5 SSE,RR N	1012	17 S2	80 oct.
Sylva	2.4 NE,riv SW	2039	25 S2	No fuel.
West Jefferson	2 SSW,RR NNE	3200	16 S2	80 oct.
SOUTH CAROLINA				
Anderson	4.5 WSW,hwy S	783	50h R1 L5 S6	80, 91 oct.
Barksdale (Laurens)	2.8 E,RR NE	700	30 L S6	73 oct. Port rnwy lgts. Pole line NE
Bentley (Calhoun Falls)	3 ENE,RR NNW	500	16	
Chesnee (NC)	2 S,RR W	910	18	PRIVATE.
Coronaca (Greenwood)	3.8 N,RR E	629	50h	
Fairforest (Spartanburg)	5.8 WNW,rd W	830	23 S6	80 oct.
(N) GREENVILLE	3.2 E,RR SE	1015	42h R1 L5 S6	80 oct.No bndry lgts.
(A) Greenville AAB (A)	7.5 SSE,hwy W	942	55h R1 L5 S6	73, 91, 100 oct. No sto.
Greenwood	2.6 W,RR E	650	24 S6	73 oct.
(N,P) MEMORIAL (Spartanburg)	2.5 SW,hwy SE	804	44h R2 L5 S6	80, 91 oct. 100 oct. for military
Paris Mountain (Greenville)	4.2 NNW,RR E	1006	21 S6	80 oct Pwr line NW
TENNESSEE				
Island (Knoxville)	2.5 E	830	35 S4	80 oct. No sto.
(P) Knoxville Mun.-McGhee-Tyson (Knoxville)	12 SSW,hwy E	988	50h R3 L5 S6	91, 100 oct.
Morristown	5.7 ENE	1400	19 S1	73 oct.
TRI-CITY	11.8 NNW Johnson City	1518	45h R1 L5 S6	80, 91 oct. 10.2 ESE Kingsport
VIRGINIA				
★ Chilhowie Int,29B,NA-WA	3.9 SE,riv N	2100	34 L3 S4	80 oct. Pole lines SW,NE.Riv SW.
Powell Valley (Big Stone Gap)	4 ESE,hwy NW	1700	25 S4	80 oct.Pole line ENE,hills W
Richlands	2.7 WSW,RR N	1950	20 S2	80 oct.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-VDT, 359°, 1.7	(3); 116.1
DOUGLAS ARPT. (Charlotte)	396(126.18, 118.9)	C	(4); 126.18, 118.9, 131.9. others on req.
GREENSBORO	365(GW)(116.1)	SBRAZ-VDT	(3); 116.1
Greensboro-High Point Airport	219(126.18, 118.7)	C; 241°, 1.5	(4); 118.7, 126.18, 131.9
POPE (Ft. Bragg) (Army)	338(DOP) (116.1)	SBMRAZ-V	(3); 116.1
Pope Field	396(126.18, 116.1)+	CA(ILS);355°, 2.5	(3); 116.1, 126.18
RALEIGH (Raleigh-Durham Arpt.)	350(DU)(116.1)	SBRAZ-VDT(ILS) 299°, 3.8	(4); 116.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18, 118.3)	C	(4); 126.18, 118.3, 131.9
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	MRLWZ, 328°, 5.1	
[redacted]			
FLORENCE	239 (FL)(116.1)	SBMRLZ-VDT, 292°, 1.7	(4); 116.1
[redacted]			
DANVILLE	344(VE)(116.1)	MHVT	(4); 116.1
PRESTON GLENN (Lynchburg)	248	C	(4)
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-VDT, 247°, 2.1	(4); 116.1
ROANOKE (Woodrum Field)	317(RO)(116.1)	SBRAZ-VDT, 349°, 2	(3); 116.1
WOODRUM FIELD (Roanoke)	278 (118.5)	C	(4); 131.9, 118.5, 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Pope, N C	110.3	335	360° Mag.	IM- (4.04)	MM- (4.00)	OM- (4.18)
					MMK-	OMK-
Raleigh, N.C.	109.9	333.8	500 Mag.	IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 31175 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

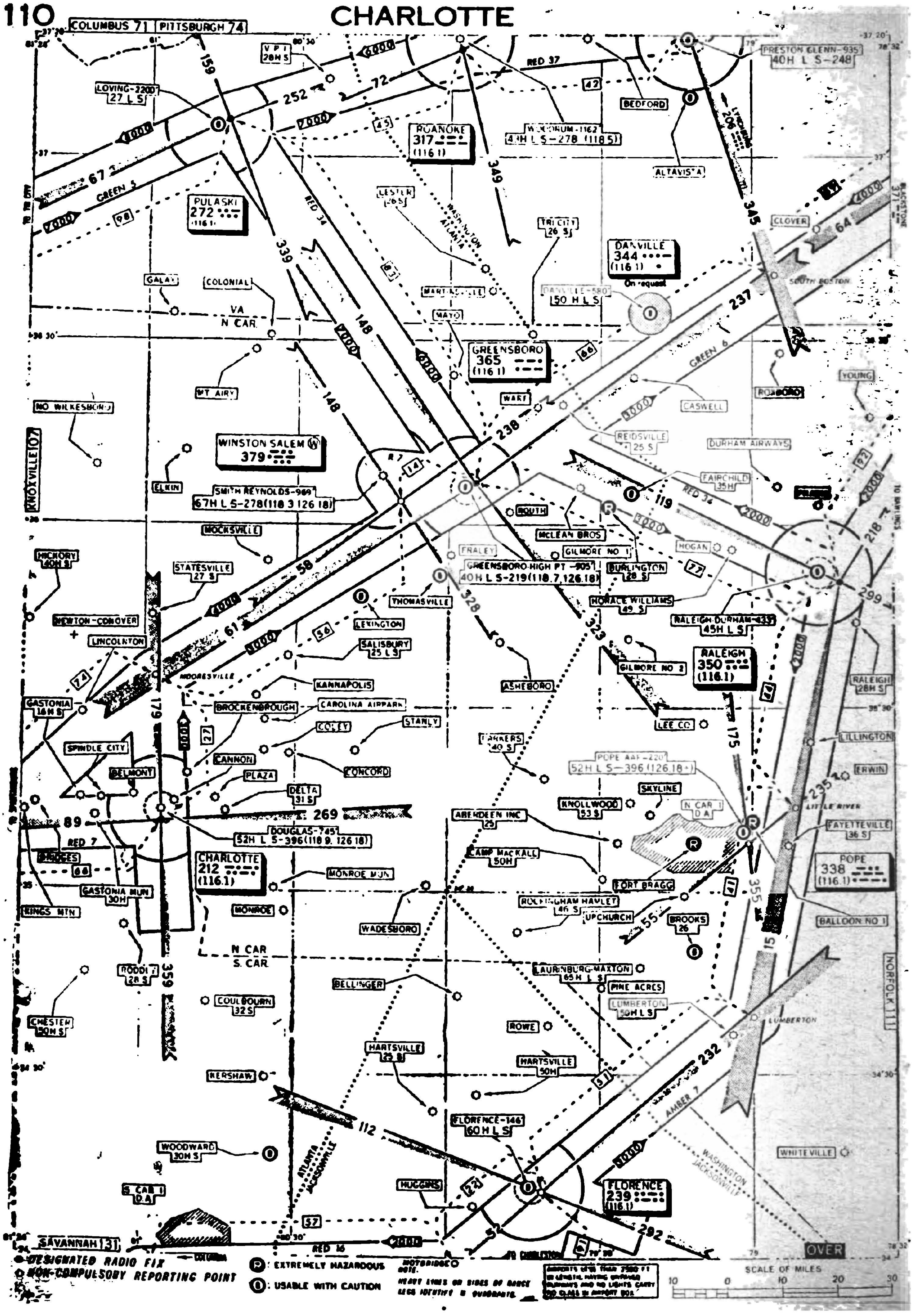
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W, RR N	450	25	Obsts sur fld.
Asheboro	1.8 SSW	864	18 S2	80 oct. Hwy NW.
(A)Balloon (Ft. Bragg)(A)	1 NNW, RR E	225	22	Closed to all acft.
Belmont	1.3 NE, riv E	740	20 S6	80 oct. No sto. P-line WNW
Bridges (Kings Mtn.)	1 SW, RR SE	930	17 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW, RR E	800	22 S6	80 oct. Pole line SSE.
Brooks (Red Springs)	1.2 N, RR SE	208	28	
(P)Burlington	4 SW, hwy W	638	28 S6	80 oct. Pole line S.
Burris (Lincolnton)(NC)	2.2 SW, RR SE	980	10	UNUSABLE.
Camp MacKall (Hoffman)	3.5 E	350	50h	
Candor (NC)	1.1 E, RR N	[illegible]	19	Pole line WNW.
Cannon (Charlotte)	3 WNW, hwy S	786	24 L S6	80, 91 oct. Flood lgts req'r.
Carolina Arpk Inc. (Kannapolis)	3.1 SSE, RR W	730	19 S2	No fuel.
Caswell (Yanceyville)	3.7 S, hwy W	640	20 L S1	80 oct. Flare pots prior req.
Coley (Concord)	2 SW, RR E	790	12 S1	80 oct. Trees ESE.
Colonial Flying Svc. (Mt. Airy)	1.4 NNE, RR S	950	15 S1	80 oct. Pole line, trees NNW.
Concord	4.5 ESE, rd E,S	700	19 S2	80 oct. Pole line NE.

1-hard surfaced runways. R-radio facilities. L-lighting facilities. T-terminal. (See page xxxx) NC (not charted). → NEW OR REVISED DATA

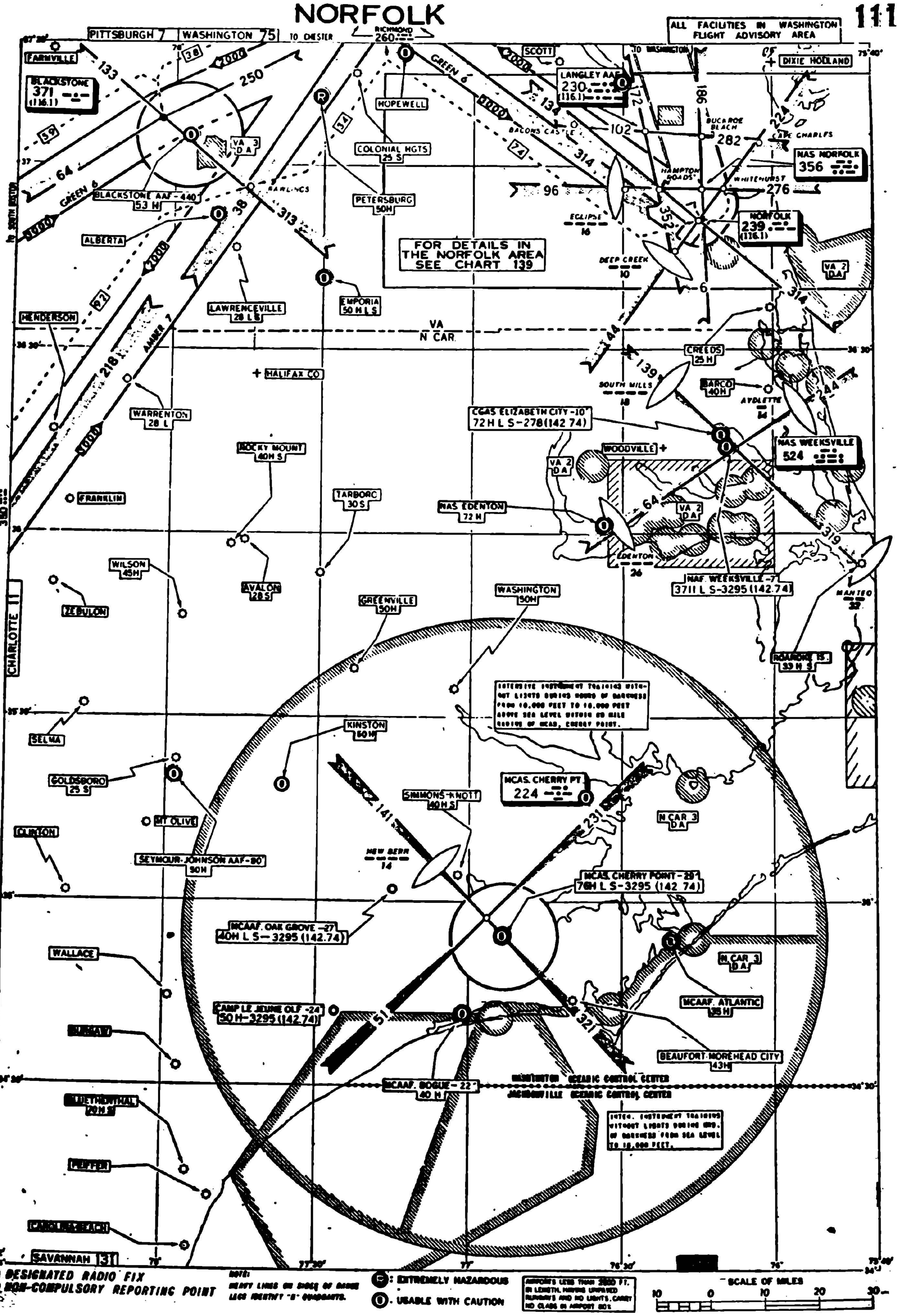
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delta Air Base (Charlotte)	6.7 E, hwy S	750	31 S6	80, 91 oct. No sto. Poles NW
(A)DOUGLAS (Charlotte)	5.5 W, RR N	745	52h R2 L5 S6	80, 91 oct. lid 51 oct Army
Durham Airways	7.8 N, RR E	318	14 S1	80 oct. No Army mntnc
Elkin	2.6 SW, RR NNW	1100	24 S2	80 oct. Rnwy data unver.
Erwin	1 SW, riv SW	195	30 S1	80 oct. Pwr line S
Fairchild-Civil (Burlington)	1.5 E, RR S	640	35h	
Fayetteville	5 N, hwy F	238	36 L1 S6	80 oct. Pwr line E
Fraley (High Point)	2.5 SSE, RR W	1000	17 S6	80 oct. Strips rough. Trees SE.
Gastonia	1.3 SW	795	16h S4	80 oct. Pwr line SSW.
Gastonia, mun.	4.5 SSE, hwy SW	800	30h L	Port rnwy lgts.
Gilmore No. 1 (Julian)	0.6 SE, RR N	760	10 S1	80 oct.
Gilmore No. 2 (Silver City)	4.1 SE, RR W	550	22	Pwr line SSE.
GREENSBORO-HIGH POINT	8 WNW, RR SW	905	40h R2 L5 S6	80, 91, 100 oct.
Hickory	2.2 W, RR S	1180	40h S6	80, 91 oct.
Hogan (Chapel Hill)	3.8 NW, RR E	530	20 S2	80 oct. Trees SSE.
Horace Williams (Chapel Hill)	1.3 NNW, RR W	502	49 S4	80 oct.
Kannapolis	2.8 N, RR E	750	23 S6	80 oct. Trees WNW.
Kings Mountain	3.5 SW, RR SE	980	23 S2	80, 91 oct.
Knollwood (Pinehurst)	5 NE, hwy W	455	53 L5 S4	80, 91 oct.
Laurinburg-Maxton (Maxton)	3.5 N, riv E	220	65h L5 S6	80, 91 oct. No flood lgts. Data unver. Lgts on req.
Lee County (Sanford)	1.5 SE, RR E	400	19 S4	80 oct. No sto. Pwr line sur fld.
Lexington	2.3 SW, RR E	735	21 S1	80 oct. Pole lines SSW.
Lillington	1.1 NNE RR S	210	15 S2	80 oct. Pole line NW.
(P)Lumberton	3 WSW	126	50h L2 S6	80, 91 oct. Hwy NNW.
McLean Brothers (Gibsonville)	0.5 SW, hwy NE	723	18 S6	80 oct.
Mayo (Mayodan)	0.8 W, riv E	900	24 S1	80 oct.
Mocksville	2 W, RR E	800	14 S2	80 oct.
Monroe, com.	2.8 SSE	600	20 S2	80 oct.
Monroe, mun.	2 NNW, hwy S	680	20 S1	80 oct. Trees NW.
Mt. Airy	2.2 SW, RR E	1050	20 S2	80 oct.
Newton-Conover (Newton)	1.5 NNW, hwy E.		16 S6	80 oct. Data unver.
North Wilkesboro	1.3 WSW, riv S	970	15 S4	80 oct.
Parkers (Eagle Spgs)	1.8 NW, RR S	700	40 S1	80 oct.
Pharis (Durham)	8.1 NE, RR E	310	26 S4	80, 91 oct. Pole line, trees NE, WNW.
Pine Acres (Laurinburg)	3.1 SW, RR NNE	205	12 S1	80 oct.
Plaza (Charlotte)	5 NE, RR N	740	20 S6	80 oct.
(A)Pope (Ft. Bragg)(A)	2 NW, riv NW	220	52h R3 L5 S6	73, 91, 100 oct.
Raleigh	3.3 SSW, RR W	364	28h S6	80, 91 oct.
RALEIGH-DURHAM (Raleigh)	10.5 NW, RR W	433	45h R3 L6 S4	80, 91 oct. No twr.
Reidsville	3.2 SE, riv S	822	25 S6	80 oct.
(P)Rockingham-Hamlet	3.5 S, RR E	358	46 S2	80 oct.
Routh (Greensboro)	3.3 S, RR E	840	18 S4	80 oct. Trees NE, W. Hwy E.
Roxboro	7 NE, RR W	600	18 S1	80 oct.
Salisbury	3 SW, RR E	764	25 L2 S6	73 oct.
Skyline (Southern Pines)	4.5 NE, RR NW	460	21 S4	80 oct. No sto. Pwr line S.
(P)SMITH-REYNOLDS (Winston-Salem)	2.8 NNE, RR W	969	67h R2 L5 S6	80, 91 oct. Rnwy data unver.
Spindle City (Gastonia)	3.2 E, RR N	795	19 S2	80 oct.
Stanly (Albermarle)	6 WNW, hwy S	720	16 S1	80 oct.
Statesville	4.5 WSW	990	27 S2	80 oct. Trees N. RR SE.
Thomasville	3.5 ESE, RR	880	14 S2	No fuel. RR NE.
Tri-City (Draper)	1.2 W, riv W	580	26 S2	80 oct.
Upchurch (Raeford)	0.5 NNE	295	15 S2	80 oct. RR SSW.
Wadesboro	3.7 NNE	220	18 S4	80, 91 oct. RR S
Warf ((Reidsville)	3.8 SW, hwy W	820	23 S2	80 oct. Trees N, S.
Wilkesville	3.7 S, RR N.	60	18 S1	Lid 80 oct.
Young Airfield (Oxford)	1.8 SW, RR NW	475	18 S1	Lid 80 oct.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Chester	5 NNE, RR W	709	50h S4	80 oct. No sto.
Coulbourn (Lancaster)	1 SSW, hwy SW	560	32 S4	80 oct.
Florence	3.5 E, RR SW	146	60h R1 L5 S1	80, 91 oct.
Hartsville	2.1 NNE,	230	25 S2	80 oct. Hwy S.
(P)Hartsville (Darlington)	1 N, hwy E	190	50h	
Huggins (Timmonsville)	1.5 ENE, hwy NW	149	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S, RR W	475	21	
Little Rock (NC)	2.5 SE, hwy W	135	22	Poles around fld.
Lynch Bellinger (Cheraw)	4.2 WNW, RR S	400	22 S4	80 oct. No sto. Pole line S, WSW.
Palmer (Bennettsville) (NC)	3.4 NNW, hwy E	155	44	Not maintained as landing field
Roddey (Rock Hill)	2.7 SW, RR NW	664	28 S4	80, 91 oct. Pole line S.
Rowe (Bennettsville)	1.5 NE	190	29 S5	80, 91 oct. Trees SW.
(P)Woodward (Camden)	2.9 NE, hwy E	300	30h S4	80 oct.
VIRGINIA				
Altavista	6.1 NE, RR S	650	18 S1	80 oct. Trees SW.
Bedford	1.3 WSW,	1050	16	PRIVATE. RR N
Clover	3.5 SSW, riv E	350	20	Trees E, W, SE, NW. House E, SE.
(P)Danville	3.4 ESE	580	50h R1 L5 S6	80, 91 oct.
Galax	6.5 S, hwy E	2575	27 S4	80 oct.
Lester (Martinsville)	0.8 NNW, RR NE	1000	26 S2	80 oct. 20-75' bldgs SE.
Loving, 35A, NAWA (Pulaski)	2.8 N, RR SE	2200	27 R1 L3 S4	80 oct. Poles SW. No sto.
Martinsville	3.5 SSE, RR NE	800	16 S2	73 oct.
(P)PRESTON GLENN (Lynchburg)	6.7 SSW, RR SE	935	40h R2 L5 S6	80, 91 oct.
V.P.I. (Blacksburg)	1.3 SSE, RR W	2100	28h L1 S6	73, 80 oct. Strip rough.
(P)WOODRUM (Roanoke)	4.2 NNW	1162	43h R2 L5 S6	80, 91, 100 oct. Rd W.

CHARLOTTE


COLUMBUS 71
PITTSBURGH 74
VPI 28H S
LOVING-2200 27 L S
PRESTON GLENN-935 40H L S-248
RED 37
BEDFORD
ROANOKE 317 (116.1)
WOODRUM-1162 40H L S-278 (118.5)
ALTAVISTA
LYNCHBURG
PULASKI 272 (116.1)
LESTER (ROS)
WASHINGTON ATLANTA
TRI CITY 26 S
DANVILLE 344 (116.1) On request
CLOVER
SOUTH BOSTON
BLACKSTONE 371
GALAX
COLONIAL
VA
N CAR
MARTINSVILLE
MAYO
DANVILLE-580 50 H L S
GREENSBORO 365 (116.1)
WT AIRY
NO WILKESBORO
WINSTON SALEM (W) 379
WART
CASWELL
REIDSVILLE 25 S
DURHAM AIRWAYS
YOUNG
ELKIN
SMITH REYNOLDS-969 67H L S-278(118.3 126.18)
FAIRCHILD 35H
SOUTH
McLEAN BROS
GILMORE NO 1
FRALEY
GREENSBORO-HIGH PT-805 40H L S-219(118.7 126.18)
BURLINGTON 28 S
HOGAN
MOCKSVILLE
HICKORY 40H S
STATESVILLE 27 S
THOMASVILLE
HORACE WILLIAMS 49 S
RALEIGH-DURHAM-435 45H L S
NEWTON-CONOVER
LINCOLNTON
LEXINGTON
SALISBURY 25 L S
MOORESVILLE
KANNAPOLIS
GILMORE NO 2
RALEIGH 350 (116.1)
ASHEBORO
GASTONIA 16H S
BROCKENBROUGH
CAROLINA AIRPARK
COREY
STANLY
LEE CO
RALEIGH 28H S
SPINDLE CITY
CANNON
CONCORD
PLAZA
DELTA 31 S
TARRERS 40 S
POPE AAF-220 52H L S-396(126.18+)
LILLINGTON
ERWIN
SKYLINE
KNOLLWOOD 53 S
N CAR I D A
ARENDEEN INC 29
CAMP MACKALL 50H
FAYETTEVILLE 36 S
POPE 338 (116.1)
BELMONT
DOUGLAS-745 52H L S-396(118.9 126.18)
CHARLOTTE 212 (116.1)
MONROE MUN
BRIDGES
GASTONIA MUN 30H
KINGS MTN
MONROE
WADESBORO
FORT BRAGG
ROCKINGHAM HAVLET 46 S
UPCHURCH
BROOKS 26
BALLOON NO 1
ROCK HILL
N CAR
S CAR
BELLINGER
LAURINBURG-MAXTON 65H L S
PINE ACRES
LUMBERTON 50H L S
COULBOURN 32 S
ROWE
HARTSVILLE 22 S
HARTSVILLE 50H
LUMBERTON
NORFOLK
KERSHAW
FLORENCE-1446 60 H L S
WOODWARD 30H S
ATLANTA JACKSONVILLE
HUGGINS
WHITEVILLE
WASHINGTON JACKSONVILLE
S CAR I D A
FLORENCE 239 (116.1)
SAVANNAH 31
RED 16
OVER
SCALE OF MILES
10 0 10 20 30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
P: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION

NORFOLK


PITTSBURGH 7
WASHINGTON 75
TO DANSTER
RICHMOND 260
ALL FACILITIES IN WASHINGTON FLIGHT ADVISORY AREA
FARMVILLE
BLACKSTONE 371 (116.1)
SCOTT
LANGLEY AAF 230 (116.1)
DIXIE HOLLAND
HOPEWELL
COLONIAL HGTS 25 S
BACONS CASTLE
BUCKROE BEACH 282
CAPE CHARLES
NAS NORFOLK 356
HAMPTON ROADS
WHITEHURST 276
BLACKSTONE AAF - 440 53 M
PETERSBURG 50H
ECLIPSE 16
NORFOLK 239 (116.1)
ALBERTA
DEEP CREEK 10
FOR DETAILS IN THE NORFOLK AREA SEE CHART 139
EMPORIA 50 H L S
LAWRENCEVILLE 28 L S
HENDERSON
VA
N CAR.
CREEDS 25 H
HALIFAX CO
SOUTH MILLS 18
BARCO 40H
AYDLETTE 14
WARRENTON 28 L
CGAS ELIZABETH CITY -10 72 H L S-278 (142 74)
NAS WEEKSVILLE 524
ROCKY MOUNT 40H S
WOODVILLE
FRANKLIN
TARBORO 30 S
NAS EDENTON 72 H
EDENTON 26
NAF WEEKSVILLE -7 3711 L S-3295 (142.74)
WILSON 45H
AVALON 28 S
ZEBULON
GREENVILLE 50H
WASHINGTON 50H
MANTEO 32
ROANOKE IS. 99 H S
INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM 10,000 FEET TO 18,000 FEET ABOVE SEA LEVEL OUTSIDE 60 MILE RADIUS OF NCAS, CHERRY POINT.
KINSTON 50H
SELMA
GOLDSBORO 25 S
MCAS. CHERRY PT 224
SIMMONS-KNOTT 40H S
MT OLIVE
CLINTON
N CAR 3 DA
SEYMOUR-JOHNSON AAF-80' 50H
NEW BERN 14
MCAS. CHERRY POINT - 29' 76H L S-3295 (142 74)
MCAAF. OAK GROVE -27' 40H L S-3295 (142.74)
WALLACE
CAMP LEJEUNE OLF -24' 50 H-3295 (142.74)
MCAAF. ATLANTIC 35 H
BEAUFORT-MOREHEAD CITY 43H
MCAAF. BOGUE - 22' 40 H
WASHINGTON OCEANIC CONTROL CENTER
JACKSONVILLE OCEANIC CONTROL CENTER
INTEN. INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM SEA LEVEL TO 18,000 FEET.
SAVANNAH 31
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON EDGE OF RADAR LOCATE IDENTIFY "B" QUADRANTS.
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
AIRPORTS LESS THAN 3500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS B AIRPORT SOI
SCALE OF MILES
10 0 10 20 30

RADIO — NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS. OF OPER., REMARKS
AYDLETTE FM (Navy)	(-)	FM, 64°, 14	Weeksville NAF
CAMP LE JEUNE OLF (New River)	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
CHERRY POINT (Navy)	224 (NKT)	BMRLZ	(3); 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN, 141°, 4	(3); 142.74
EDENTON FM (Navy)	(- - -)	FM, 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
NEW BERN FM (Navy)	(- - - -)	FM, 321°, 13.6	Cherry Point MCAS
OAK GROVE MCAAF (Polloksville)	3295 (142.74)	CN	3105,142.74 (8-18)
SOUTH MILLS FM (Navy)	(- - - -)	FM, 319°, 17.5	Weeksville NAF
WEEKSVILLE (Navy)	324 (NFG)	MRL	500,3105; 142.74 (7-19)
Weeksville NAF-LTA	3295 (142.74)	CN, 319°, 0.5	3105; 142.74 (8-1630)
MANTEO FM (Navy)	(- -)	FM, 139°, 32	Weeksville NAF

RADIO — VIRGINIA

BLACKSTONE (AAF)	371 (KT)(116.1)	BMLZ-VDT, 133°, 5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM, 276°, 16	Norfolk
LANGLEY FIELD (Army)	230 (DLY)(116.1)	SBMRAPZ-VDT, 102°, 35	(3); 116.1
NORFOLK	239 (NWX)(116.1	SBMRLZ-VDT, 000°, 3.4	(3); 116.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ, 276°, 2.9	

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs.
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h	
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct. Fld lgts prior req. (Wilmington)
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	INACTIVE.
Burgaw	1.2 W,hwy N,S	30	22 S1	80 oct. Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jacksonville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS	2.5 SW,riv N	29	76h R2 L5 S6	100 oct. (N)
Clinton	2 N, hwy W	160	24 S6	80 oct. Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
(CG) ELIZABETH CITY CGAS (CG)	3.5 SE,riv NE	10	72h R1 L6 S4	91, 100 oct.
Franklin (Louisburg)	2 WSW,hwy S	290	20 S4	80 oct. Hi-line S
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	1.8 NNW	25	50h	
Halifax Co. (Roanoke Rapids)	3 SW,hwy N	140	25 S1	80 oct. Data not verified.
Henderson	3 S,RR W	490	23 S6	80,91 oct. No sto. Pole lines S. Rnwy data not verified
Jacksonville (NC)	3.7 NE,RR SE	51	14	
(N) Kinston (N)	4.2 NNW	93	50h C-L-O-S-E-L	
Mt. Olive	1.1 NE,RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Polloksville) (N)	2.5 NW,riv S	27	40h R1 L S4	91, 100 oct.
Peiffer (Wilmington)	6 ESE,ocean E	10	18 S1	80 oct. Poleline NNE,trees N,S,SW.
ROCKY MOUNT	2.3 N,RR E	114	40h S3	80 oct. Use rnwys only.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E.
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	INACTIVE
SIMMONS-KNOTT	2.5 SSE	19	40h S1	80, 91 oct. (New Bern)
Tarboro	2 ESE,riv NNW	50	30 S6	80 oct. No sto. Pole line NNE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct. No sto.
★ Warrenton Int,46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	1.8 N,hwy W	38	50h	
(N) Weeksville NAF(LTA)	2.2 NE	7	37h R2 L5 S4	91, 100 oct. (N)
(P) Wilson	4.2 NW,hwy E	161	45h	
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct. No sto. Pole line S, SW. Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S1	80 oct.
Roanoke Isl.(Manteo)	1,5 NW;rd NE	12	33h L5 S4	80,91 oct. Lgts on req. Data unverified.

AIRPORTS — VIRGINIA

Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone AAF (A)	2.5 ESE,hwy N	440	53h R1	Closed to all acft. INACTIVE
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW, (NC)
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
Creeds	1.5 E,bay E	10	25h	
Emporia	3 E, hwy S	127	50h L5 S4	80,91 oct. Trees sur fld.
Hopewell	3.3 E,riv N	20	24 S6	80 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317	28 L3 S6	80 oct.
Petersburg	6.2 WSW,RR N	190	50h	
Scott (Williamsburg)	1.3 NNW,RR SW	90	20 S2	80 oct. Pole line SW,WNW.
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29	20-60' trees NE,SW,W. (NC)
Dixie Holland (Cape Charles)	1.5 ENE;hwy S		22 S1	80 oct. Unverified.
Farmville	2.5 NW,riv N	325	20 S6	80 oct. Hill W.

R-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

CORPUS CHRISTI

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALICE	224(EZ)(116.1)	SBRAZ-VDT, 72°, 3.6	(4);116.1
BROWNSVILLE (International Arpt)	388(JI)(116.1)	SBRAZ-VDT, 157°, 2.3	(3);116.1
CHARLES NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)
CLIFF MAUS (Corpus Christi)	278(118.3)	C	(4);118.3,126.18,131.9
CORPUS CHRISTI (Cliff Maus Field)	382(CR)(116.1)	SBMRLZ-VDT, 138°, 2.9	(3);116.1
Corpus Christi (Navy)	248 (NGP)	MLZ	(3);142.74
Corpus Christi NAS	248 (142.74)	CN;350°, 3.3	(3);142.74
Corpus Christi NAS (Seapl)	2870(142.74)	CN	3105;6210;142.74
CUDDIHY NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)
GREGORY FM (Navy)	(-)	FM, 350°, 18	Corpus Christi NAS
INTERNATIONAL ARPT (Brownsville)	278 (126.18, 118.7)	C(ILS)	(4);118.7,126.18,131.9
→ LAREDO	206(LL)(116.1)	SBRAZ-VDT, 137°, 3.1	(4);116.1
LOS FRESNOS FM	(- - - -)	FM, 338°, 8.9	Brownsville
MERCEDES FM	(- - -)	FM, 282°, 29.5	Brownsville
PALACIOS	350(UX)(116.1)	BMLZ-VDT, 118°, 1.6	(4);116.1
PLEASANTON FM	(- - -)	FM, 174°, 44.2	San Antonio
RODD NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
→ INTERNATIONAL, TEXAS	110.3 ---- ..	335	170° Mag.	IM	MM ·····(.66)	OM --(4.34)	
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.

+ - Army A.C.S. transmits on and guards 146.1, 137.88, 140.58 mcs.

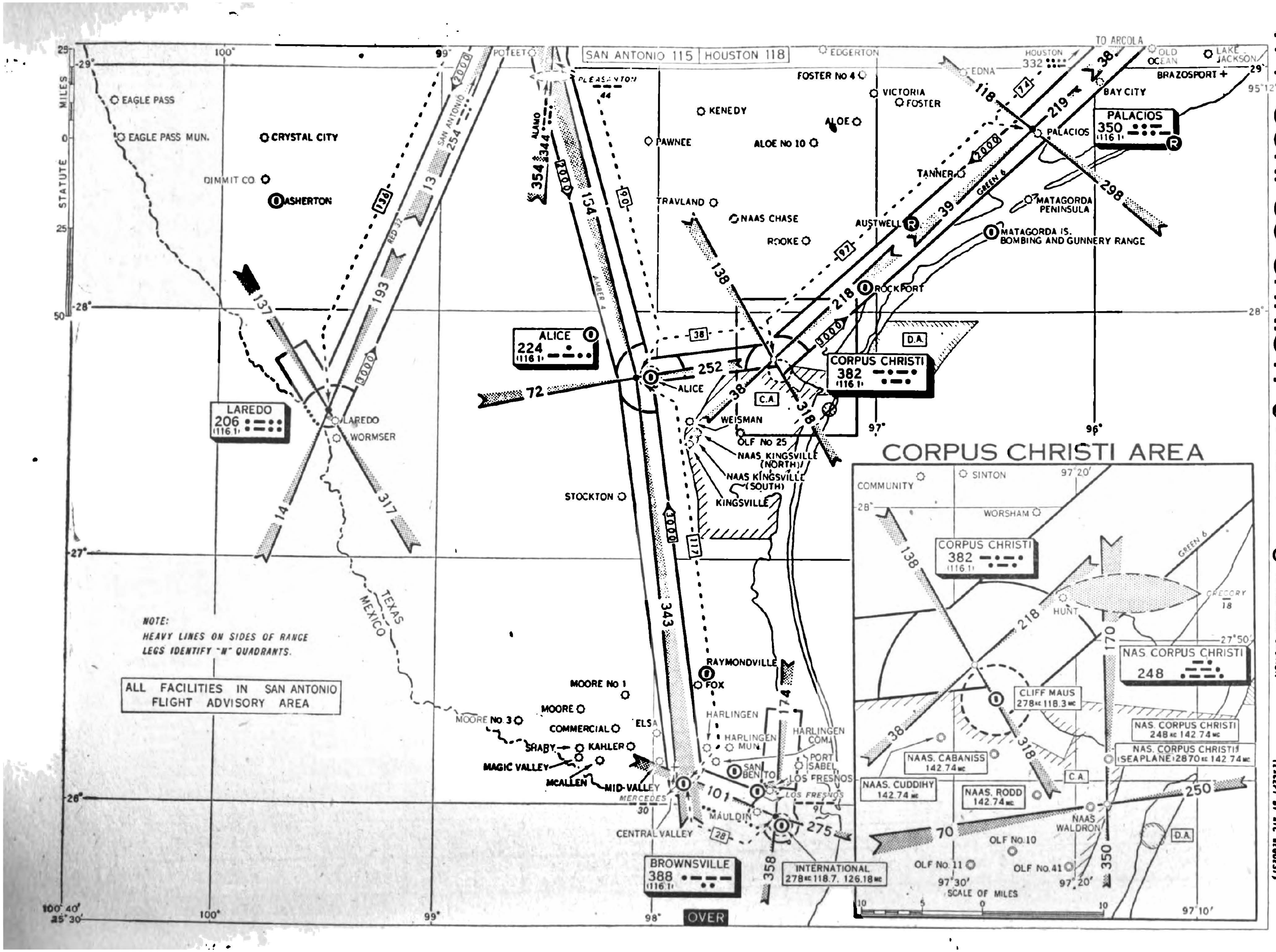
AIRPORTS — TEXAS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Alice	3.3 ESE;RR N	177	48h R1 L5 S6	80,91 oct.
Alice (Victoria)	6 WSW;RR SE	107	57h	
" #10 (Victoria)	19.8 WSW	150	40h	
Asherton	1 E;RR NE	552	22 S1	80 oct.Poles N;trees sur fld.
* Austwell Int.5A,CR-RV	2.1 SSW;hwy NE	23	32 L2	Fence around fld.
Bay City	2 SSW;RR N	50	21 S6	80 oct.No sto.Pole line E.
Brazosport (Velasco)	1 N;hwy SW	6	24 S1	80 oct.Data not verified.
(N) Cabaniss NAAS (Corpus Christi)(N)	6.2 SSW;RR NE	30	50h R1 L5 S4	91 oct.
(N) Chase NAAS (Beeville)(N)	5.6 ESE;rd N	186	46h R1	INACTIVE.
Chrusadero Ranch Emerg. Strip (Laredo)(NC)	60 NW	630	33 L1	
(N) CLIFF MAUS (Corpus Christi)	2.5 SW;RR N	42	45h R2 L5 S6	80,91 oct.No storage.
Commercial (Edinburg)	1 W;RR SE	90	20 S1	73 oct.Pole line NW,NNW.
Community (Sinton)	2 W;RR SE	143	30	
(N) Corpus Christi NAS (N)	9.5 SE	19	58h R2 L5 S6	91,100 oct.NATS,NAFC.
(N) " OLP #10 (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLP #11 (N)	16 SSW	29	15h	13 SSW Aberdeen.
(N) " OLP #25 (N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLP #41 (N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City	1.8 N;RR W	600	32 S1	80,91 oct.Pole line NE,NW.
(N) Cuddihy NAAS (Corpus Christi)(N)	7.8 SW;crk S	39	50h R1 L5 S4	91 oct.
Central Valley(Mercedes)	1.5 NE;hwy S	62	31h S6	80,91 oct.Data unverified.

TEXAS

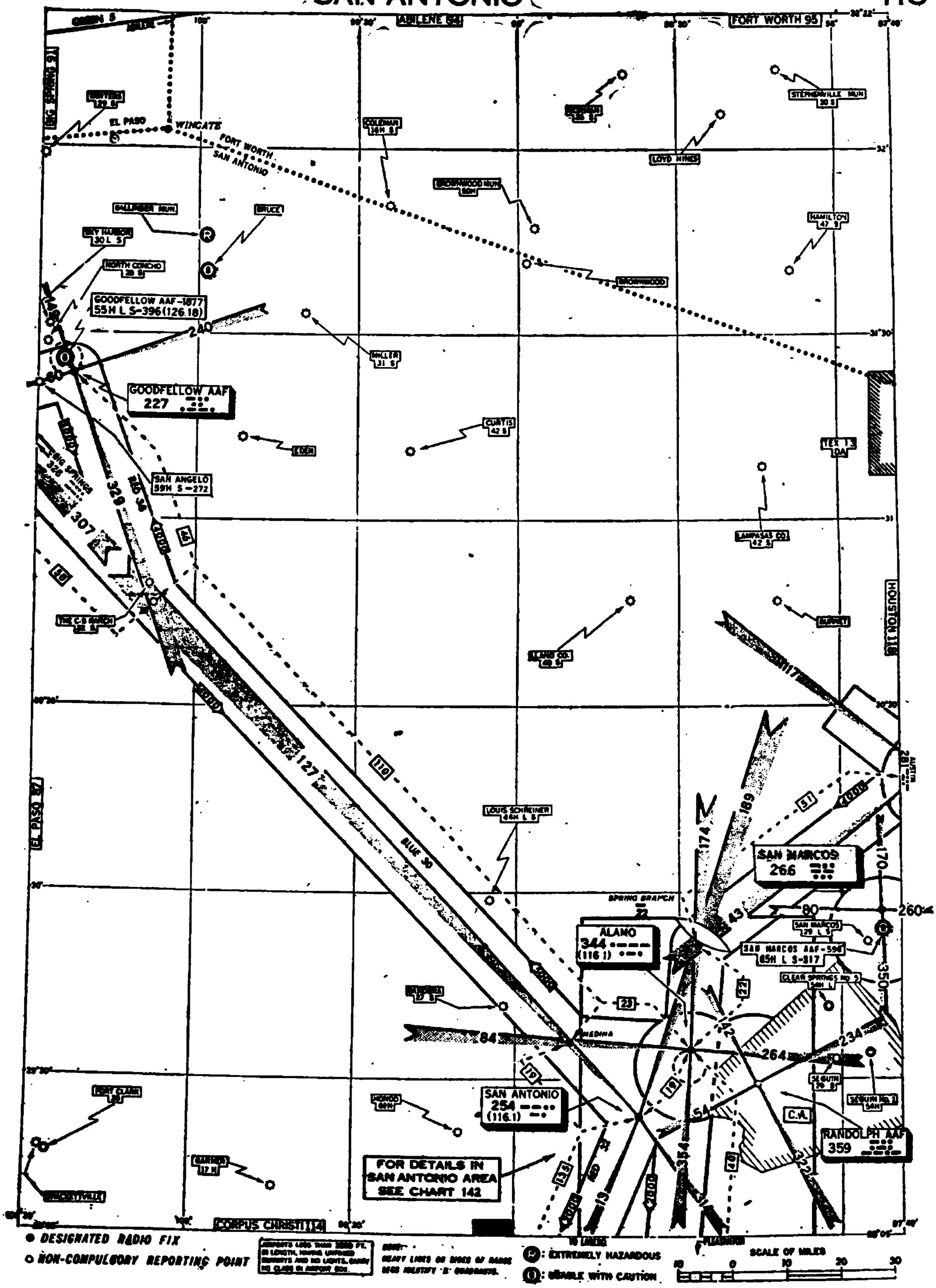
AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dimmit Co.(Carrizo Sprgs)	2.8 E;hwy N	640	25 S1	Ltd 80 oct.Pole line ends strps
Eagle Pass	10 N;RR N	878	59h	
" mun.	1.3 E;hwy N	774	29 S2	80 oct.ARPT OF ENTRY.
Edgerton (Cuero)	2.9 E;hwy SW.	185	19 S6	80 oct.
Edna	1.5 ENE;RR NW	60	25 S1	73 oct.Live stock on fld.
Elsa	1 SSE;RR N	70	21 S6	73 oct.Crop dusters.
Foster (Victoria)	6.5 NE;RR S	104	52h	
" #4 (Victoria)	12.5 NNW	186	56h	
Fox (Raymondville)	1 WSW;RR S	40	26 S2	73,80 oct.Poles W,SE.
Freer (NC)	3.8 NNW;hwy E	375	28	Trees sur fld.
Harlingen, com.	1.8 SSW;hwy E	41	18 S1	73 oct.
→ Harlingen	5 NW;RR SW	40	13	Pole line S.
" mun.	3.5 NE;rd S	35	60h L5 S4	80,91 oct.Lgts prior req.
Hunt (Portland)	2 WNW;RR ESE	35	16 S5	80 oct.
Indianola (Magnolia Beach)	2 SW;hwy N	17	34	PRIVATE.
(P) INTERNATIONAL (Brownsville)	4.5 E;hwy N	22	59h R3 L6 S6	73-100 oct.ARPT OF ENTRY.
Kalher (Alamo)	4 NNE;RR W	90	20 S1	73 oct.Poles sur fld.
Kenedy	1.4 ESE;RR N	270	19 S2	80 oct.
* Kingsville Int,11,JI-FV	3.5 S;RR W	58	26 L3	
(N) " NAAS (North) (N)	3.5 ESE;hwy NW	47	61h	INACTIVE.
(N) " NAAS (South) (N)	3.5 SE;hwy W,N	51	61h	INACTIVE.
Lake Jackson (Freeport)	9.5 NW;hwy E	20	26	Cattle on fld.Trees SW.
Lake Mathis (Mathis)(NC)	5 WSW;RR SE	161	20	
La Laja (Dolores)(NC)	1.5 NNE;riv SW	475	18	PRIVATE.15-20' brush W,S.
LAREDO	3.5 NE;hwy NNE	512	66h R1 L5	B2 lgts for Airlines.
Los Fresnos	0.8 SSE;RR W	35	24 S1	73,80 oct.Pole line W.
McAllen	1.6 SSW;hwy N	115	29 S6	73,80 oct.Poles E,NE.
Magic Valley (Mission)	1.5 SSW;lake W	135	21 S6	73 oct.No sto.Poles E.
(A) Matagorda Island (A)		7	40h	9 SSW Port O'Conner.INACTIVE.
Matagorda-Peninsula (Matagorda)	6.5 E Port O' Conner	5	40h	
Mauldin (Brownsville)	4.4 NNW;RR W	22	35 S6	80,91 oct.Poles W.
Mid-Valley (Weslaco)	1.7 NE;RR W	70	25 S1	80 oct.Pole line NW,SW.
→ Moore (Mission)	12 N;RR E	219	50h	
" #1 (Mission)	10 N Edinburg	80	40h	
" #3 (Mission)	5 N LaGrulla	300	30h	
Old Ocean	1 ENE;hwy N	60	35 S1	80 oct.Cattle on fld.
Palacios	2.7 WNW	13	50h R1 S1	80 oct.
* Pawnee Int,22,JI-FV	5 WNW;RR W	368	30 L3	
Poteet	0.6 SW;RR E	300	13 S2	73 oct.
* Raymondville Int,5,JI-FV	3.5 NNE;RR W	34	29 L3	
(P) Rockport	4.3 N;bay W	22	45h	
(N) Rodd NAAS (Corpus Christi)(N)	9.8 S;RR NE	20	51h R1 L5 S4	91 oct.No storage.
Rooke (Refugio)	3.2 WSW;RR E	46	30 S1	73 oct.Cattle on fld.Twr NW.
San Benito,2,JI-FV	1.5 E;RR SW	31	26 L3 S6	73,80 oct.
Shary (Mission)	1 NW;RR E	145	30 S4	73,80 oct.
Sinton	1.3 E;RR NW	27	48 S6	80,91 oct.No storage.
Stockton (Palfurrias)	2 NW;RR E	100	27 S1	80 oct,Lake SW.
Tanner Sea & Land Plane Base (Port Lavaca)	3 S;hwy S	12	22 S1	80 oct.Pwr line sur fld.
Travland (Beeville)	2 NW;RR E	225	19 S2	80 oct.Poles E.
Victoria	5.5 N;hwy SW	107	25 S6	80 oct.
(N) Waldron NAAS (Corpus Christi) (N)	12 SSE;hwy NNE	25	50h	INACTIVE.
Weisman (Kingsville)	2.5 NNE;RR S	60	19 S4	Ltd 80 oct.Poleline S,SW,SE.
Wormser (Laredo)	4 SE;hwy W	440	26 S1	80,91 oct.
Worsham (Taft)	0.8 ENE;hwy SW	54	25 S6	80 oct.
Port Isabel	10 NW	12	48h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA



● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓞ USABLE WITH CAUTION


ABILENE 92
FORT WORTH 95
BIG SPRING 91
EL PASO
WINCATE
FORT WORTH
SAN ANTONIO
COLEMAN 16H S
LOYD HYMES
STEPHENVILLE MUN 30 S
BROWNWOOD MUN 50H
BROWNWOOD
BRUCE
HAMILTON 47 S
NORTH CORICHO 28 S
GOODFELLOW AAF-1877 55H L S-396(126.18)
GOODFELLOW AAF 227
MILLER 31 S
CURTIS 42 S
SAN ANGELO 59H S-272
329
307
127
110
10
20
45
90
84
35
HOUSTON 118
YOAKUM
SAN MARCOS 266
ALAMO 344 (116.1)
SAN MARCOS AAF-595 65H L S-817
CLEAR SPRINGS NO 2
SAN ANTONIO 254 (116.1)
RANDOLPH AAF 359
C.A.
LOUIS SCHREINER 65H L S
SPRING BRANCH
FOR DETAILS IN SAN ANTONIO AREA SEE CHART 142
CORPUS CHRISTI
EL PASO
BLUE 50
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
E: EXTREMELY HAZARDOUS
Q: USABLE WITH CAUTION
SCALE OF MILES
0 10 20 30

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMO (San Antonio)	344(JR)(116.1)	MLZ-VDT; 174°,2.7	(3); 116.1
GOODFELLOW (San Angelo) (Army)	227 (DIP)	BMRLZ	(3)
Goodfellow Field	396 (126.18)+	CA; 329°, 2.5	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMRLZ	(3)
SAN ANTONIO (Kelly)	254(ZN)(116.1)	SBRAZ-VD.107°.1.8	(4); 116.1
SAN MARCOS (Army)	266 (DMS)	MRLZ	V 6-18 Mon thru Fri.
San Marcos AAF	317	CA; 170°, 4.2	(3); 266 (days only)
SPRING BRANCH PM	(-)	PM, 354°, 21.6	Alamo
SAN ANGELO ARPT	272	CI	(4)(12 Noon-1 hr after sunset)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ Ballinger	2.5 NW;RR E			ABANDONED.
Bandera	3 SE;hwy NNE	1125	27 S6	80 oct.Trees E.
Brackettville	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Brownwood	1 S;hwy W	1310	22	Poles SE,ESE,E.
" mun.	6.3 NNE;RR S	1386	50h	
Bruce (Ballinger)	4.5 SSW;RR NW	1731	23h	Allway: 7497 x 5280'.
Burnet	2 NE;RR W	1325	21 S1	80 oct.Pole line SW.
C-B Ranch (Ft.McKavett)	1.5 W;rd S	2150	32 S1	80 oct.Livestock on fld.
(A) Clear Springs #5 (New Braunfels) (A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Coleman	1.7 NE;RR S	1685	16h S6	80,91 oct.Use rnwys only.
Comanche (NC)	1.7 NNW;hwy SW	1500	14	
Curtis (Brady)	3 N;hwy SE	1830	42 S1	Ltd fuel.
Eden	1 NW;hwy E	2050	15 S1	73 oct.Trees NE,SW.
(A) Fort Clark(Brackettville)	1.5 SW;rd E	1105	30	(A)
Garner (Uvalde)	2.7 E;hwy N	930	17h S1	80 oct.
→(A) Goodfellow (San Angelo)(A)	3 SE;ros N,W	1877	55h R2 L5 S6	73,91,100 oct.JP-1.
Gorman	1 S;RR NE	1400	26 S2	80 oct.Poles NNE.
Hamilton	2.3 SSW;hwy E	1250	47 S6	80 oct.Fence sur fld.
Hondo	2.1 NW;RR S	929	61h	
Lampasas Co. (Lampasas)	6 NW;RR S	1480	42 S2	80 oct.
Llano County (Llano)	2.4 NNE;riv NE	1029	40 S1	73 oct.
(P) Louis Schreiner(Kerrville)	3.9 SE;RR SW	1590	44h L5 S6	80 oct.
Loyd Hines (Dublin)	1.3 NW;RR SW	1260	18 S1	73 oct.Poles NW,SW,SE.
Mason County (NC)	3.2 ESE;hwy N	1500	44	
Miller (Leaday)	1 S;riv W	1525	31 S6	73 oct.No storage.
North Concho (San Angelo)	1.7 WNW;RR E	1850	28 S4	80 oct.Poles sur fld.
Riomedina (Castroville)	4.5 N;riv W	855	45	(NC)
→ SAN ANGELO	8.5 SSW;rd NW	1915	59h R1 L5 S6	80,91 oct.
(A) San Marcos AAF (A)	5 E;riv W	596	65h R2 L5	
★ " Int,31B,JI-FV	2 SE;hwy N	577	29 L3 S6	73,80 oct.Pole line NE.
Schneider (Seguin)(NC)	2.2 WNW;RR N	520	23	Pole line N.
Seguin	3.3 WSW;riv E	400	29 S1	73,80 oct.Pole line NW.
(A) " #1 (A)	3 E;rd N	530	54h	
Sherril (Rock Springs)(NC)	4 W;hwy S	2400	21	Cattle on fld. Pole line W,NW.
Sky Harbor (San Angelo)	4.6 NNW;RR SW	1840	30 L3 S4	80,91 oct.After 2100 lgts on req.
South Coleman (Coleman)	1 S;hwy NW	1710	21	Closed - not maintained.(NC)
Stephenville	1.5 E;hwy S	1310	30 L S6	80 oct. Port rnwy lgts.
White (Brady) (NC)	10 W;RR N	1550	73	
Winters	2 NW;RR E	1860	29 S1	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCOLA FM	(- - -)	FM, 226°, 15	Houston
AUSTIN (Robert Mueller Arpt)	281(XN)(116.1)	SBMRLZ-VDT,117°,2	(3); 116.1
BERGSTROM FIELD (Austin)	396 (126.18)+	CA	(4); 126.18
HOUSTON	332(HU)(116.1)	SBRAZ-VDT	(3); 116.1
Houston Airport	278 (126.18) (118.5)	AC; 309°, 2.2	(4); 121.9,126.18,118.5
HOUSTON LFM	(- - - -)	LFM, 309°, 5.5	Houston
NAVASOTA (Int)	212(NT)(116.1)	BMRL-VDT,180°,1.4	(4);116.1
RICHMOND	391 (UT)	MRLW	
ROBERT MUELLER ARPT. (Austin)	272 (118.7)	C	(4);118.7,126.18,121.9
WACO (Mun)	385(WC)(116.1)	SBRAZ-VDT,9°,2.6	(4);116.1
WEBSTER FM	(- -)	FM, 129°, 9.3	Houston
YOAKUM (Int)	236 (YK)	HW-T,352°,2.8	

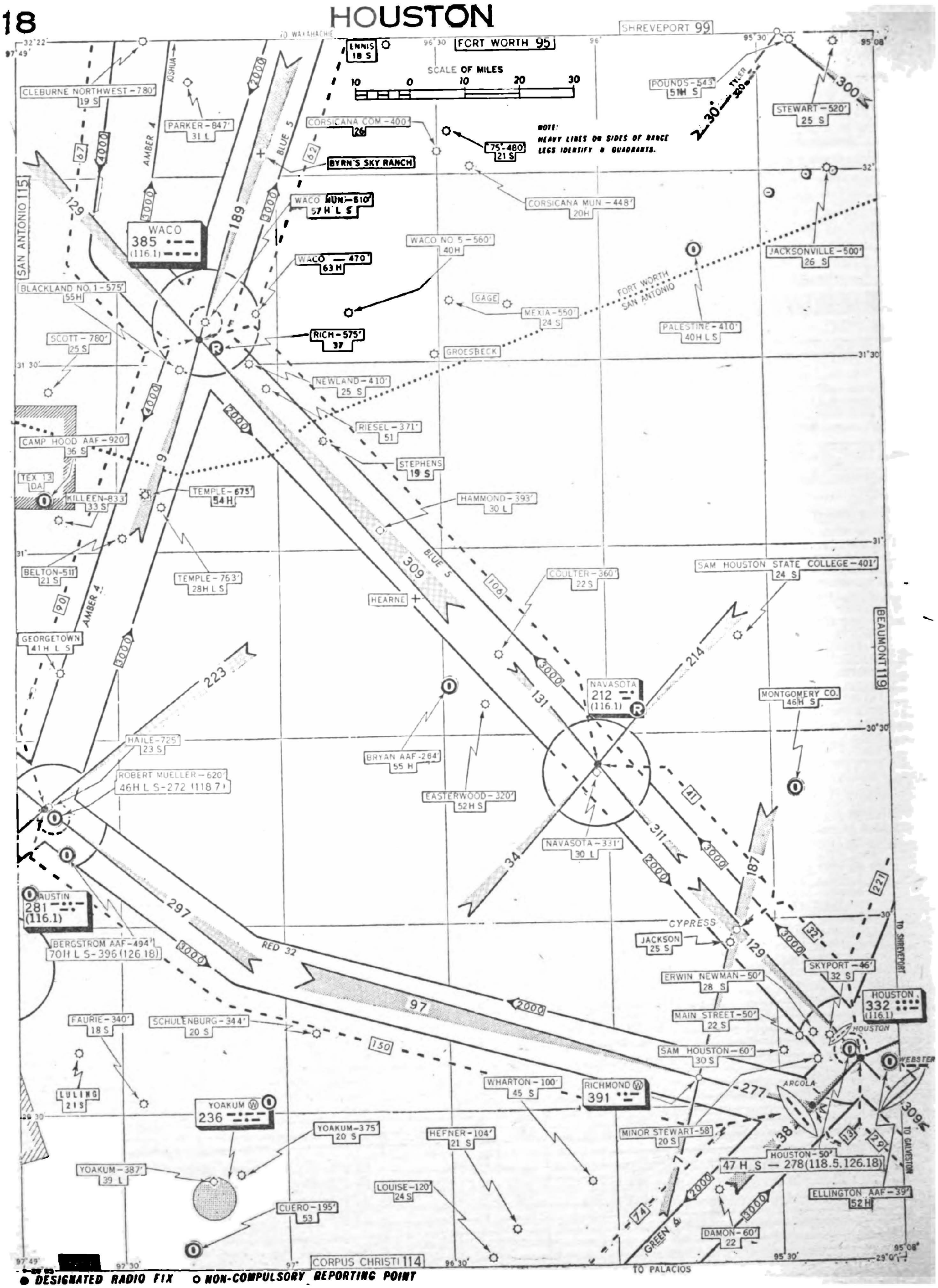
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

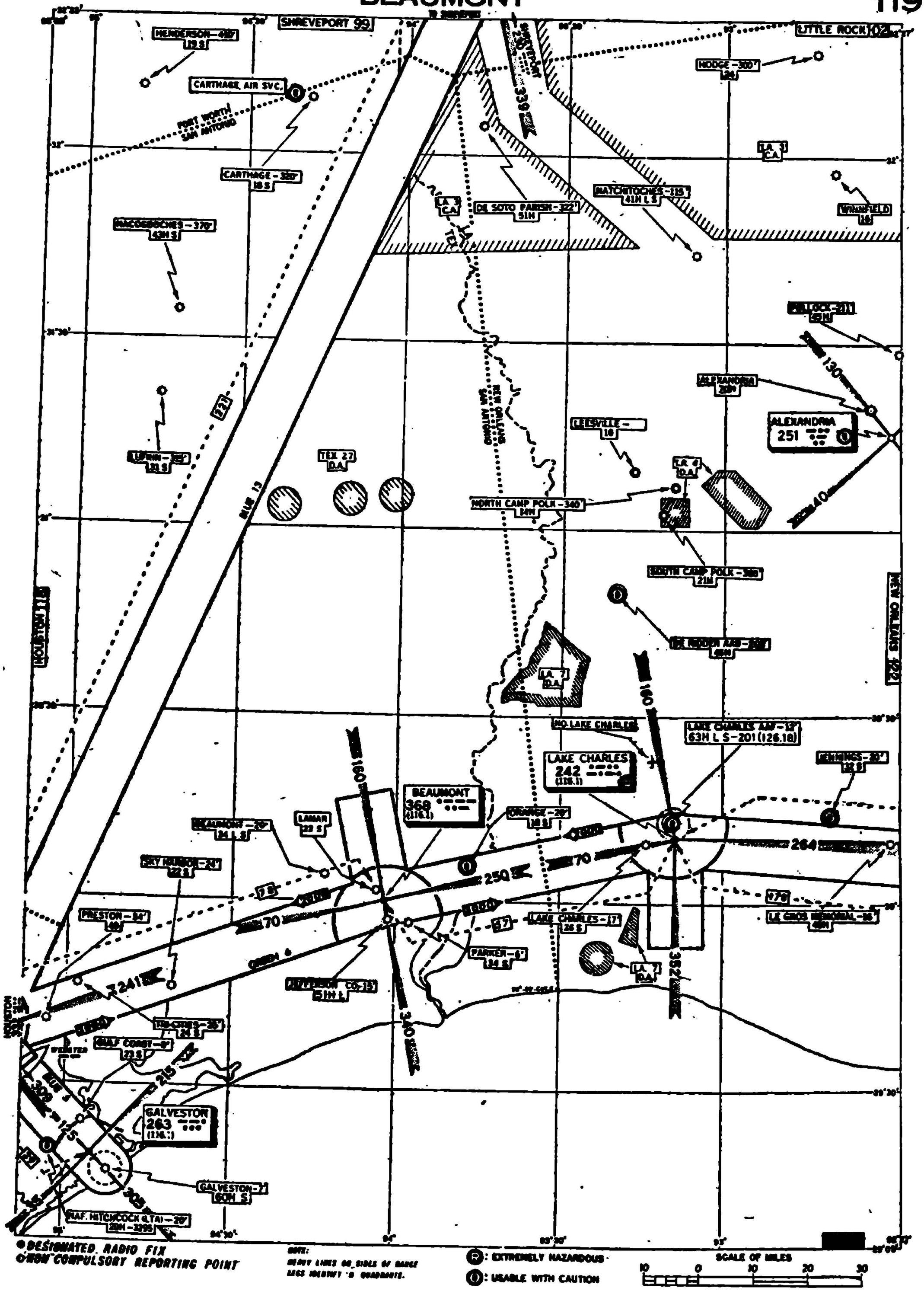
AIRPORTS TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Belton	1.6 WSW;hwy N	511	21 S1	73,80 oct.No storage.
(A) Bergstrom (Austin) (A)	7 SE	494	70h R1 L5 S6	73,100 oct.No storage.Pole NE,NW.
Blackland #1 (Waco)	11 WSW;RR S	575	55h	
(A) Bryan AAF (A)	7 SSW;riv SSW	264	55h	INACTIVE.
Cameron Airpark (NC)	1.7 N;RR,hwy W	402	29	Bldg NNE
(A) Camp Hood Landing Field (Killeen)	2 NE	920	36 S1	CLOSED. (A)
Cleburne Northwest (Cleburne)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
Corsicana, com.	2.8 SW;bet rds	400	26	
" mun.	5.6 SE;RR E	448	20h	UNUSABLE.Acft parked entire fld.
Coulter (Bryan)	4 NE;hwy NW	360	22 S6	80 oct.5' fence SW.
Cuero	3.1 N;RR SE	195	53	
Damon	3 ESE;hwy WSW	60	22	4'fence sur fld.
(P) Easterwood (College Station)	2.8 SW	320	52h S6	80 oct.
(A) Ellington (Houston)(A)	15 SE;RR W	39	52h	INACTIVE.
Ennis	1.5 NW;RR E	540	18 S4	Ltd 73 oct.No storage.
Erwin-Newman (Houston)	5 SSW;hwy N	50	28 S6	80 oct.
Faurie (Gonzales)	2 NNE;hwy E	340	18 S2	80 oct.Trees N,S.
Georgetown	3.3 N;hwy E	789	41h L5 S4	80,91 oct.
Haile (Austin)	4.1 NE;RR E	725	23 S6	80,91 oct.Poles ESE.
★ Hammond Int.16,GS-WC	2.5 SSE;RR W	393	30 L3	
Hefner (El Campo)	1.5 WSW;RR SE	104	21 L S2	80 oct.Port rnwy lgts. Pole line S, SE.
HOUSTON	9 SSE;hwy W	50	47h R2 L5 S6	73,80,91,100 oct.
Jackson (Cypress)	4 SE;hwy S	145	25 S6	80 oct.
Jacksonville	3 N;RR E	500	26 S6	73,80 oct.Pole line ENE.
Killeen	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
Louise	1.6 E;RR W	120	24 S1	Ltd 80 oct.Pole line N,S.
Luling	1.1 SE;hwy NE	418	21 S1	80 oct.Pole lines sur fld.
Madisonville Emergency (NC)	0.8 NW;hwy E	400	18	
Main Street (Houston)	6.5 SW;hwy SE	50	22 S6	80 oct.
Mexia	1 SE;RR NW	550	24 S2	80 oct.
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct.
★ Navasota Int,10,GS-WC	2.5 ENE;RR NNW	331	30 R1 L3	
Newland (Waco)	4.5 SSE;RR NE	410	25 S6	80,91 oct.
(P) Palestine	4.5 WNW;hwy N	410	40h L5 S6	80,91 oct.
★ Parker Int,48,JI-FV	0.6 N;hwy W	847	31 L3	
(P) POUNDS (Tyler)	5.5 W;hwy N	543	51h R1 L5 S1	80,91 oct.Ctc lgts prior req.
Rich (Waco)	3 WSW;hwy SW			ABANDONED
Riesel (Waco)	10.5 SE	371	51	
ROBERT MUELLER (Austin)	3.5 NE;RR SW	620	46h R2 L5 S6	80,91 oct; 100 oct gov't contract.
St. Edwards (Austin) (NC)	3.5 S	700	22	
Sam Houston (Houston)	10.5 SW;RR S	60	30 S6	73,80 oct.
Sam Houston State College (Huntsville)	2.5 NW;RR E	401	24 S2	80 oct
Schulenburg	2.2 N;hwy W	344	20 S4	73 oct.Pole line W.
Scott (Gatesville)	1.8 E;hwy N	780	25 S1	80 oct.Pole line NW.
Seventy-Five (Corsicana)	1.8 N;RR W	480	21 L S6	73 oct.No storage.Port rnwy lgts. Poles NW.
Skyport (Houston)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston)	6 ENE;RR N	60	30 S4	80 oct.
Stephens (Marlin)	2 ESE;RR N,SSW	318	19 S2	80 oct.Cattle on fld.Pole W.
Stewart (Tyler)	2.5 E;hwy N	520	25 S6	80 oct.Poles W.
Taylor	2.2 WNW;RR S	520	24 S4	73 oct.
Temple	5.5 NW;rd SW,NW	675	54h	
Temple 40, JI-FV	2 NNW;hwy SW	763	28h L3 S4	73,80 oct.
Waco	7 NNE;bet RRs	470	63h	
WACO MUNICIPAL	6 NW;lake S	510	57h R1 L5 S4	80,91,100 oct.
" #5 (Prairie Hill)	2 S;hwy N	560	40h	
(P) Wharton	1.8 ENE;RR N	100	45 S2	80 oct.
Yoakum	4 N;hwy W	375	20 S6	80 oct.
★ " Int,7,JR-HU	5 NW;hwy S	387	39 L3	
Gage (Teague)	1.7 N		22 S4	80 oct. Pwr line W.Data unver.
Byrn's Sky Ranch (Hillsboro)	5.8 NE	820	25 S6	80 oct. Data unverified.
(P) Montgomery County Arpk (Conroe)	3.5 NE; hwy W	245	46h L S6	80,91,100 oct.Lgts on req.
Hearne	Adj.E;RR E,NE	350	21 S1	80 oct. Data unverified.
Groesbeck	1.5 E;RR W	477	21 S1	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

HOUSTON


SHREVEPORT 99
FORT WORTH 95
SCALE OF MILES
10 0 10 20 30
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY H QUADRANTS.
ENNIS 18 S
CLEBURNE NORTHWEST – 780' 19 S
PARKER – 847' 31 L
CORSICANA COM – 400' 26
75' – 480' 21 S
BYRN'S SKY RANCH
POUNDS – 543' 51H S
STEWART – 520' 25 S
CORSICANA MUN – 448' 20H
WACO MUN – 810' 57 H L S
WACO 385 (116.1)
WACO NO 5 – 560' 40H
WACO – 470' 63 H
JACKSONVILLE – 500' 26 S
BLACKLAND NO 1 – 575' 55H
GAGE
MEXIA – 550' 24 S
FORT WORTH SAN ANTONIO
PALESTINE – 410' 40H L S
RICH – 575' 37
SCOTT – 780' 25 S
GROESBECK
NEWLAND – 410' 25 S
RIESEL – 371' 51
CAMP HOOD AAF – 920' 36 S
STEPHENS 19 S
TEX 13 DA
KILLEEN – 833' 33 S
TEMPLE – 675' 54 H
HAMMOND – 393' 30 L
TEMPLE – 753' 28H L S
BELTON – 511' 21 S
HEARNE
COULTER – 360' 22 S
SAM HOUSTON STATE COLLEGE – 401' 24 S
GEORGETOWN 41H L S
NEWLAND – 410' 25 S
NAVASOTA 212 (116.1)
MONTGOMERY CO. 46H S
HAILE – 725' 23 S
BRYAN AAF – 264' 55 H
ROBERT MUELLER – 620' 46H L S – 272 (118.7)
EASTERWOOD – 320' 52H S
NAVASOTA – 331' 30 L
AUSTIN 281 (116.1)
BERGSTROM AAF – 494' 70H L S – 396 (126.18)
CYPRESS
JACKSON 25 S
ERWIN NEWMAN – 50' 28 S
SKYPORT – 46' 32 S
HOUSTON 332 (116.1)
HOUSTON
MAIN STREET – 50' 22 S
SAM HOUSTON – 60' 30 S
FAURIE – 340' 18 S
SCHULENBURG – 344' 20 S
WEBSTER
ARCOLA
LULING 21 S
YOAKUM 236
WHARTON – 100' 45 S
RICHMOND 391
YOAKUM – 375' 20 S
HEFNER – 104' 21 S
MINOR STEWART – 58' 20 S
YOAKUM – 387' 39 L
HOUSTON – 50' 47 H S – 278 (118.5.126.18)
LOUISE – 120' 24 S
CUERO – 195' 53
ELLINGTON AAF – 39' 52 H
DAMON – 60' 22
CORPUS CHRISTI 114
TO PALACIOS
TO SHREVEPORT
TO GALVESTON
BEAUMONT 119
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT


SHREVEPORT 99
HENDERSON – 487
112 S
CARTHAGE AIR SVC.
FORT WORTH
SAN ANTONIO
CARTHAGE – 320°
18 S
NACOGDOCHES – 370°
43M S
SHREVEPORT
339
LITTLE ROCK 102
HODGE – 300°
12H
TA 3
CA
MATCHITOCHES – 115°
41M L S
DE SOTO PARISH – 322°
51M
LA 3
CA
TEX
WINNFIELD
16S
ALEXANDRIA – 211°
45M
130
ALEXANDRIA
251
ALEXANDRIA
25M
LEESVILLE –
10
TEX 27
D.A
RUE 13
NEW ORLEANS
LA 4
D.A
NORTH CAMP POLK – 340°
24M
SOUTH CAMP POLK – 350°
21M
40
LA 7
D.A
DE RIDDER AAF – 320°
45M
NO LAKE CHARLES
LAKE CHARLES AAF – 13°
63M L S – 201 (126.1B)
LAKE CHARLES
242
(116.1)
JENNINGS – 20°
18 S
BEAUMONT
368
(116.1)
ORANGE – 28°
18 S
LAMAR
22 S
BEAUMONT – 25°
24 L S
SKY HARBOR – 24°
22 S
160
264
250
70
PRESTON – 34°
40
LAKE CHARLES – 17°
26 S
LE GROS MEMORIAL – 35°
46M
PARKER – 6°
24 S
241
PEARLAND – 25°
24 S
GULF COAST – 9°
23 S
215
305
GALVESTON
263
(116.1)
GALVESTON – 7°
60M S
NAF. HITCHCOCK (LTA) – 29°
28M – 329S
DESIGNATED RADIO FIX
NON COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF BARBS
ARCS INDICATE 10 QUADRANTS.
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

BEAUMONT

RADIO — LOUISIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	251 (DAI)	MRAWZ, 310°, 5.7	
LAKE CHARLES	242(LC)(116.1)	SBRAZ-VDT	(4);116.1
→ Lake Charles AAF	201 (126.18)	CA:340°, 2.5	(4) only
TEXAS			
→ BEAUMONT (Jefferson Co.)	368(JU)(116.1)	BMRLZ-VDT, 160°, 3.7	(4);116.1
GALVESTON	263(GS)(116.1)	SBMRLZ-VDT, 125°, 4.2	(4);116.1
HITCHCOCK NAF-LTA-HTA	3295	CN	3105, 6390 (days)
WEBSTER FM	(- -)	FM, 129°, 9.3	Houston

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — LOUISIANA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ ALEXANDRIA	5.5 W;riv 2N	88	70h	
De Quincy (NC)	1.5 SW;RR NW	78	24	Cattle on fld.Trees N,E.
(A) De Ridder AAB (A)	3.5 WSW;RR S	203	45h	C-L-O-S-E-D.
(P) De Soto Parish(Mansfield)	4.3 NW;hwy S	322	51h	
Hart (Many)(NC)	1.8 SSW;RR E	242	24	Trees NNE.
Hodge	0.5 ENE;hwy NW	300	24	Cattle on Fld.
Jennings	1.4 NNW;RR SW	20	32 S2	80,91 oct.Pole line E.
Lake Charles	5.2 SSW;hwy N	17	26 S6	80 oct.Pole line N. Rwy data unver
(A,N) LAKE CHARLES AAF (A)	4 ESE;RR NE	17	63h R2 L5 S6	91,100 oct.JP-1.No storage.
(A) Leesville Landing Strip	2 NW		10	L-type acft. (A)
(P) Le Gros Mem'l (Crowley)	6.5 WSW;RR N	16	43h L5	Ctc lgts prior req.
McArthur (Alexandria)	2.8 W;hwy E,N	86	12 S1	Ltd 80 oct.Trees N,S.
(P) Natchitoches	1.5 SSW;RR E	115	41h L5 S6	80 oct.,ltd 90 oct.Ctc lgts prior
(A) North Camp Polk Landing Strip (Camp Polk)(A)	6 NE	340	14h	req. No bcn.
Oakdale (NC)	3 W;hwy N	123	27	Trees WSW,ENE.
Pollock	4.5 SW	211	45h	
(A) South Camp Polk Landing Strip (Camp Polk)(A)	Adj E	300	21h	
→ Winnfield	3 NW;hwy E	200	16	Trees N.
TEXAS				
Angelina Co. (Lufkin)(NC)	7.5 SSW;RR W	288	42	Cattle on fld.
Beaumont	6.8 W;bet RRs	28	34 L3 S6	73,80 oct.Fld lgts prior req.
Carthage	2 E;hwy N	320	18 S1	Ltd 80 oct.
" Air Service	1.3 W;hwy N,S	310	30 S2	80,91 oct. Pole line N.Trees E,W.
GALVESTON	3.5 WSW;Gulf S	7	60h R1 S6	80,91 oct.
Gulf Coast (Texas City)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct.No storage.Pole line N.
Henderson	2.1 WNW;hwy S	410	19 S2	73 oct.
(N) Hitchcock NAF(LTA)(N)	2.3 SW;RR ENE	20	20h R1	
Humphrey (Goose Creek)(NC)	4 NNE;RR E	34	24	Pole line NW,W.
(P) Jefferson Co. (Beaumont)	9.8 SSE;hwy NE	15	51h R1 L5	
Lamar (Beaumont)	4 SE;riv NE	17	22 S4	80 oct.No sto.Poleline N,S.
Lufkin	2 NW;hwy N	315	31 L1 S6	73,80 oct.
(P) Nacogdoches	4 WSW;hwy E	370	43h S5	80,91 oct.
Orange	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur)	4 NW;RR NE	6	34 S6	80 oct.
Preston (Houston)	2.5 WNW LaPorte	34	40	
Richter (Kirbyville)(NC)	1.5 S;RR E	175	16	
Sky Harbor (Anahuac)	0.3 S;hwy N	24	22 S1	80 oct.
Tri-Cities (Goose Creek)	2.6 N;RR E	25	24 S2	80 oct.Pole line SE.
→ North Lake Charles (Lake Charles,La)	10 N;hwy NE		50 S4	80,91 oct.No sto.Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

RADIO

LOUISIANA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARATARIA FM	(- -)	FM, 171°, 20	New Orleans
BATON ROUGE (Harding)	347 (RX)	MRLWZ, 125°, 3.4	
LAFAYETTE	227 (LO)(116.1)	MRVT	(4); 116.1
LA PLACE FM	(- - -)	FM, 271°, 16.8	New Orleans
MADISONVILLE FM	(- - - -)	FM, 353°, 32	New Orleans
MOISANT AIRPORT (New Orleans)	278 (118.3)(126.18)	C (ILS)	(4); 131.9, 118.3, 126.18
NEW ORLEANS (Moisant)	335 (NO)(116.1)	SSRAZ-VDT, 271°, 3	(3):116.1
New Orleans Airport	352 (126.18)	CA	(4):126.1R
New Orleans NAS	323 (142.74)	CN	(3); 142.74 (8-sunset)
NEW ORLEANS FM	(-)	FM, 63°, 11	New Orleans

MISSISSIPPI

FLORENCE FM	(- - -)	FM, 173°, 14.6	Jackson
JACKSON (Hinds)	278(126.1)(118.7)	C	(4):126.1,118.7,131.9

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
MOISANT, LA.	109.9	333.8	100° Mag.	IM ·····(.04)	MM	OM --(4.5)
					IMKR	OMK

S Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

LOUISIANA

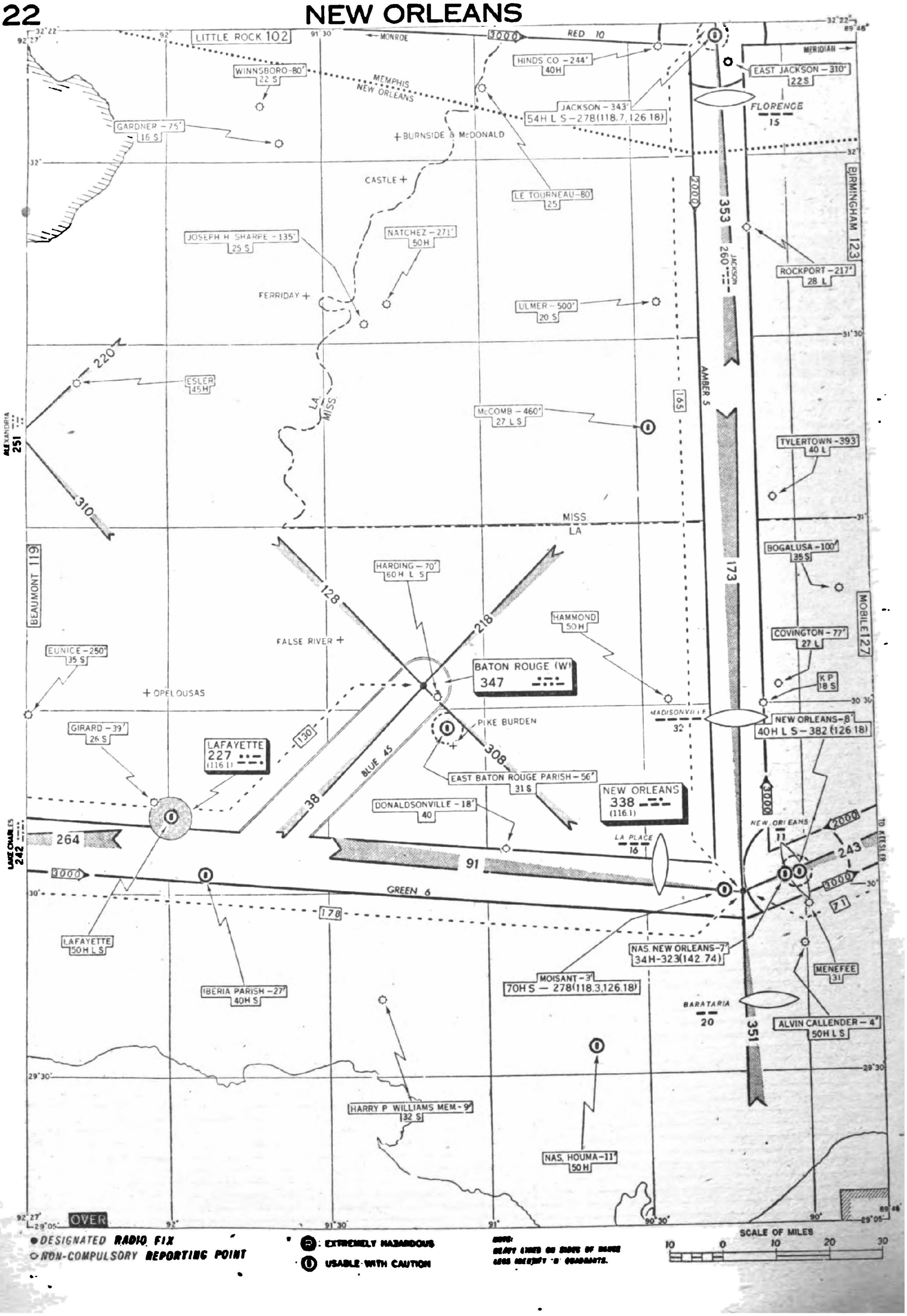
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alvin Callender (New Orleans)	9 SSE; RR E	4	50h L5 S4	73, 80, 91 oct.
Bogalusa	2.4 N; RR E	160	35 S6	73, 80 oct. No sto. Pole S.
Burnside & McDonald (Newellton)	1 WSW	77	50	Data not verified.
Castle (St. Joseph)	2 N	75	20 S4	80 oct. No sto. Data not verified.
Chapman (New Orleans)(NC)	6.5 NE; lake N	4	22	35' trees NW. Cattle on field.
* Covington Int. 3, NO-LS	6 NNE; hwy W	77	27 L3	Pole line W.
* Donaldsonville Int. 26, HU-NO	3 ENE; hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge)	4 E; hwy N, E	56	31 S4	80, 91 oct. Pole line S.
Esler (Alexandria)	11 NE; Bayou S	92	45h	
Eunice	1.7 W; hwy N	250	35 S2	80 oct.
False River (New Roads)	1.5 W	30	25 S1	80 oct. Data not verified.
Ferriday	1 N	55	18	Data not verified.
Gardner (Gilbert)	1 E, hwy S	75	16 S1	Ltd 73 oct.
Girard (Lafayette)	2.5 NW; hwy E	39	26 S6	80, 87 oct. Obsts sur fld.
Grand Isle (NC)	2.6 NE, hwy NW	4	22	
Hammond	2 ENE; RR S	40	50h	
HARDING (Baton Rouge)	5.8 NNE	70	60h L5 S2	91 oct. No ben
(P) Harry P. Williams Mem'l (Patterson)	2 WNW; bet RR, hwy	9	32 L2 S2	73 oct. No ben. Lgts prior req. Pole line NW.
(N) Houma NAS (LTA)(N)	3.1 ESE; RR NE	11	50h	INACTIVE.
Iberia Parish (New Iberia)	5 NW; RR NE	27	40h L1 S6	73-91 oct. Ben prior req.
K-P (Covington)	1.6 NW; RR S	27	18 S2	80 oct.
Lafayette	1.5 SE; RR W	40	50h R1 L5 S1	91 oct. Pole line S.
Menefee (New Orleans)	5.2 E; riv S	1	31	Pole line S.
(N) MOISANT INTERNATIONAL (New Orleans)	11 W; riv S	3	70h R3 L6 S1	80,91,100 oct. Avail. only to Army, Navy, Airlines.
(A) New Orleans	6.5 NNE; RR S	8	40h R1 L4 S4	91, 100 oct; 100 oct Govt contract. FEE
(N) New Orleans NAS (N)	4.6 N; on lake	7	34h R1	Tower NE.
Opelousas	1.5 NE	35	18	Data not verified.
Pike Burden (Baton Rouge)	5 SE	35	50 S1	80 oct. Data not verified.
Texaco (New Iberia)(NC)	2.6 N; hwy W	21	18	Poles W, WSW. Cattle on fld.
Winnsboro	1.2 ESE; RR SW	80	22 S1	89 oct.

MISSISSIPPI

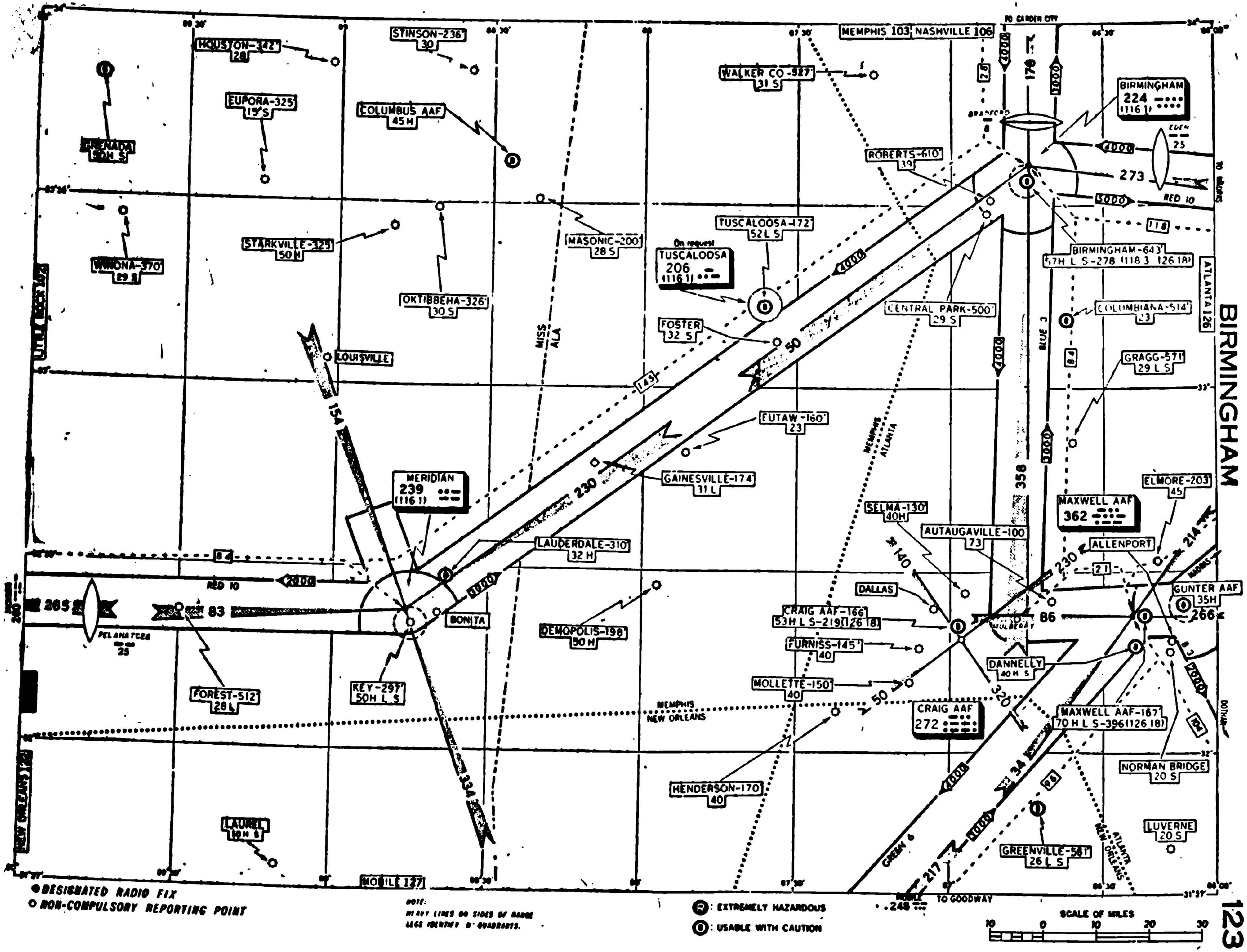
East Jackson (Jackson)	3.1 SSE; hwy NW	310	22 S6	80 oct. Trees N.
Hinds County (Jackson)	12.8 W	244	40h	
(A,N) JACKSON	3 NW, RR SW	343	54h R2 L5 S6	80, 91, 100 oct. Tank, stack E.
Joseph H. Sharpe (Natchez)	1.8 ESE; RR S	135	25 S2	73 oct.
LeTourneau (Yokena)	2.5 NW; riv W	80	25 L2 S4	No fuel. Lgts prior req. Caution - wet.
McComb	1.3 NW; hwy E	460	27 L3 S6	80,91 oct, No ben; lgts prior req. Obsts sur fld.
(P) Natchez	7.1 ENE; RR S	271	50h	
* Rockport Int. 12, NO-LS	1.5 E; riv W	217	28 L3	
* Tylertown Int. 7, NO-LS	6 SE; road E	393	40 L3	
Ulmer (Brooklaven)	1.5 NNE; RR W	500	20 S4	73 oct. No sto. Pole line W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii)(NC)-Not charted. * NEW OR REVISED DATA

NEW ORLEANS


LITTLE ROCK 102
MONROE
RED 10
3000
HINDS CO – 244'
40H
WINNSBORO-80'
22 S
MEMPHIS
NEW ORLEANS
JACKSON – 343'
54H L S – 278(118.7, 126.18)
EAST JACKSON – 310'
22 S
MERIDIAN
FLORENCE
15
GARDNER – 75'
16 S
BURNSIDE & McDONALD
CASTLE
LE TOURNEAU-80'
25
2000
353
260
JACKSON
BIRMINGHAM 123
JOSEPH H SHARPE – 135'
25 S
NATCHEZ – 271'
50H
ROCKPORT – 217'
28 L
FERRIDAY
ULMER – 500'
20 S
220
ESLER
45H
ALEXANDRIA
251
LA
MISS
McCOMB – 460'
27 L S
165
AMBER 5
TYLERTOWN – 393'
40 L
310
MISS
LA
BOGALUSA – 100'
35 S
BEAUMONT 119
HARDING – 70'
60 H L S
128
218
173
MOBILE 127
HAMMOND
50H
EUNICE – 250'
35 S
FALSE RIVER
COVINGTON – 77'
27 L
KP
18 S
BATON ROUGE (W)
347
OPELOUSAS
PIKE BURDEN
MADISONVILLE
32
NEW ORLEANS – 8'
40H L S – 382 (126.18)
GIRARD – 39'
26 S
LAFAYETTE
227
(116.1)
130
BLUE 45
308
3000
NEW ORLEANS
11
2000
243
38
EAST BATON ROUGE PARISH – 56'
31 S
NEW ORLEANS
338
(116.1)
DONALDSONVILLE – 18'
40
LA PLACE
16
LAKE CHARLES
242
264
91
3000
GREEN 6
71
TO KEESLER
178
LAFAYETTE
50H L S
NAS. NEW ORLEANS – 7'
34H – 323(142.74)
MENEFEE
31
IBERIA PARISH – 27'
40H S
MOISANT – 3'
70H S – 278(118.3,126.18)
BARATARIA
20
ALVIN CALLENDER – 4'
50H L S
351
HARRY P WILLIAMS MEM – 9'
32 S
NAS. HOUMA – 11'
50H
OVER
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
E: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION

BIRMINGHAM


HOUSTON-342'
28
STINSON-236'
30
MEMPHIS 103, NASHVILLE 106
TO CARDEN CITY
WALKER CO-927'
31 S
EUPORA-325'
19 S
COLUMBUS AAF
45 H
BIRMINGHAM
224
(116 I)
GRENADA
50 H S
ROBERTS-610'
39
4000
273
RED 10
5000
TO MEMPHIS
WINONA-370'
29 S
STARKVILLE-325'
50 H
MASONIC-200'
28 S
TUSCALOOSA-172'
52 L S
On request
TUSCALOOSA
206
(116 I)
BIRMINGHAM-643'
57 H L S-278 (118 3) (126 18)
ATLANTA 126
OKTIBBEHA-326'
30 S
CENTRAL PARK-500'
29 S
COLUMBIANA-514'
23
FOSTER
32 S
LOUISVILLE
MISS ALA
145
50
GRAGG-571'
29 L S
154
FUTAW-160'
23
MERIDIAN
239
(116 I)
GAINESVILLE-174'
31 L
MEMPHIS ATLANTA
358
ELMORE-203'
45
SELMA-130'
40 H
MAXWELL AAF
362
AUTAUGAVILLE-100'
73
140
ALLENPORT
214
230
21
LAUDERDALE-310'
32 H
DALLAS
GUNTER AAF
35H
266
RED 10
2000
285
83
86
BONITA
CRAIG AAF-166'
53 H L S-219 (126 18)
DEMOPOLIS-198'
50 H
FURNISS-145'
40
DANNELLY
40 H S
PELAHATCHEE
25
MOLLETTE-150'
40
320
50
FOREST-512'
28 L
KEY-297'
50 H L S
MEMPHIS
NEW ORLEANS
CRAIG AAF
272
MAXWELL AAF-167'
70 H L S-396 (126 18)
NORMAN BRIDGE
20 S
34
HENDERSON-170'
40
LAUREL
19 H S
GREENVILLE-561'
26 L S
LUVERNE
20 S
ATLANTA NEW ORLEANS
GREEN 6
217
MOBILE 127
TO GOODWAY
248
31°37'
88°00'
88°30'
87°30'
87°
86°30'
32°
33°
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RADIO LEGS INDICATE B-BOUNDARIES.
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

BIRMINGHAM

RADIO — ALABAMA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BIRMINGHAM	224(BH) (116.1)	SBRAZ-VDT	(3); 116.1
Birmingham Airport	278 (126.18) (118.3)	AC, 178°, 3	(4);131.9,126.18,118.3
BRADFORD FM	(-)	FM, 358°, 8	Birmingham
CRAIG (Selma)(Army)	272 (DPP)	MRLZ	(3);126.18
Craig Field	219 (126.18)	CA; 320°, 2.5	(3); 126.18
EDEN FM	(- -)	FM; 93°, 25.1	Birmingham
GUNTER FIELD(Montgomery)	201 (126.18)	CA	INACTIVE
MAXWELL (Montgomery)(Army)	362 (DXW)	SBRAZ	(4)
Maxwell Field	396 (126.18)+	CA; 86°, 2	(4); 126.18
TUSCALOOSA	206(TU)(116.1)	MHVT	(4); 116.1

MISSISSIPPI

MERIDIAN (Key)	239(UM)(116.1	SBMRAZ-VDT;154°,2.8	(4); 116.1
PELAHATCHEE FM	(- -)	FM, 85°, 25	Jackson

S-Simul Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — ALABAMA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allenport (Montgomery)	4.3 SSE;RR W	175	30 S6	80 oct. Trees N.
Autaugaville (Selma)	20.5 W	100	73	
(A) BIRMINGHAM	5.5 NE;RR S	643	57h R2 L5 S3	73-100oct.JP-1.Rdo rec req.
Central Park(Birmingham)	5.2 SW;RR E	500	29 S6	80 oct. No sto.
Columbiana	1.5 WNW	514	23	Lgt acft only.
(A) Craig (Selma)(A)	4.8 SSE	166	53h R2 L5 S6	91,100 oct.
DANNELLY (Montgomery)	7.5 SW;RR E	219	40h S1	80,91 oct.
(P) Demopolis	7.8 WSW;riv NW	198	50h	
(A) Elmore (Montgomery)(A)	10 N;hwy N	203	45	INACTIVE.
Eutaw	2 SE;hwy N	160	23	Pole line W.
Foster(Tuscaloosa)	5.5 S	236	32 S4	Ltd 73 oct.Pwr line E.
Furniss (Selma)	10 SSW	145	40	
* Gainesville Int,55,FV-AG	2 S;hwy W	174	31 L2	
Gragg,27,PS-TM(Clanton)	2.2 NE;creek S	571	29 L3 S2	80,91oct. Hill E.
Greenville,24,NO-AG	5.5 WNW;hwy S	561	26 L2 S4	80 oct.
(A) Gunter (Montgomery)(A)	5 NE	225	35h	
Henderson (Selma)	29 SW; riv W	170	40	
Luverne	1.7 NNW;RR E	300	20 S1	73 oct.Pole line W.
(A) Maxwell(Montgomery)(A)	3 WNW	167	70h R2 L5 S6	73,91,100oct.No sto.JP-1
Mollette (Selma)	16.2 SSW	150	40	
Norman Bridge(Montgomery)	5.8 S;RR E	172	20 S4	73 oct. No sto.
Roberts (Birmingham)	3 W;RR N	610	39	
Selma-Selfield (Selma)	4 ENE;RR S	130	40h	
Tuscaloosa,59,FV-AG	3 NW;RR N	172	52 R1 L3 S6	73,80 oct.Pole,trees N.
Walker County (Jasper)	2.5 NNE;RR W	527	31 S2	80 oct.
Dallas (Selma)	2.2 SW; riv SSE	161	20 S1	80 oct. Trees NE.

MISSISSIPPI

(A) Columbus AAF (A)	10 N;RR E	215	45h	INACTIVE.
Eupora	1 NE;hwy S	325	15 S2	80 oct.Hill NW.
Forest,46,FV-AG	1 W;RR S	512	28 L3	
Grenada	3 N;RR S	207	50h L5 S2	80,91 oct.Ctc lgts req.
Houston	1.5 SW;hwy SE	342	28	Trees W,SE,N; bldg SE.
KEY (Meridian)	3.5 SW;RR E	292	50h R1 L5 S4	80,91 oct. Ctc lgts prior req.
Lauderdale Civil(Meridian)	9 NNE;hwy E	310	32h	
Laurel	3 SW;RR SE	235	50h L S4	80,91 oct.Portable rnwy lgts.
Masonic (Columbus)	3.9 ENE;hwy S	200	28 S2	80 oct.
O'Keefe (Newton)(NC)	1.5 ESE;RR N	363	26	Trees NE,SE,NW.UNUSABLE.
Oktibbeha (Starkville)	7.5 ENE;hwy E	326	30 S6	73 oct.
(P) Starkville (Columbus)	2 SW Starkville	325	50h	
Stinson (Aberdeen)	3 NW;hwy NE	239	30	
Winona	1.3 SSE;RR W	370	29 S4	73,91oct. Lgt acft only.Rnwy data unver.
Louisville Air Service	3.9 S;RR W	500	16 S1	80 oct. Pole line S.
Zemita (Meriden)	2.5 ENE; hwy N	329	20 S1	80,91 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted.

→ NEW OR REVISED DATA

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANNISTON	206 (K I)(116.1)	MHVT	(4): 116.1

GEORGIA

ALBANY (Turner Aux. Fld #1)	254 (GY)(116.1)	BMRLZ-VDT 258°2.3	(4): 116.1 (VDT Stn lctd at Albany Arpt.)
ATLANTA	266 (AG)(116.1)	SBRAZ-VDTX	(3): 116.1
Atlanta Airport	278 (118.7) (126.18)	AC (ILS):331°,1.9	(4):126.18,118.7,131.9
Atlanta (Navy)	323 (NCQ)	MRLWZ	
Atlanta NAS	356 (142.74)	CN: 86° 3.2	3105,4495,9117.5,142.74
EAST POINT LFM	(- - - -)	LFM, 331°,6.5	Atlanta
JONESBORO	219 (H)	FMK: 133°,11	Atlanta
JONESBORO FM	(- -)	FM, 133°, 11	Atlanta
LAWSON, (Columbus)(Army)	379 (DVL)	MRLZ	
Lawson Field	278 (126.18) +	CA: 21°, 3.3	(3): 126.18
MACON (Herbert Smart)	209 (UN)(116.1)	BMLZ-VDT:246°,4.8	(4): 116.1
MADRAS FM	(- - -)	FM, 230°, 22.8	Atlanta
MARIETTA AAF	396 (126.18)	CA	4495;126.18 (8-20)
SMYRNA FM	(- - - - -)	FM, 331°, 22	Atlanta
STONE MOUNTAIN FM	(-)	FM, 55°, 17.25,	Atlanta
TURNER LFM (Army)(NC)	(- - -)	FM, 202°, 11.6	Albany (On req)
WARNER-ROBINS (Robins Fld)	284(126.18) +	CA	(3):126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
ATLANTA, GA.	109.9		329° Mag.	IM	MM	OM
					LTK 201 •—• (.68)	OMK

S-Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A C S. transmits on and guards 126.1, 137.88, 140.58 mcs.

AIRPORTS — ALABAMA

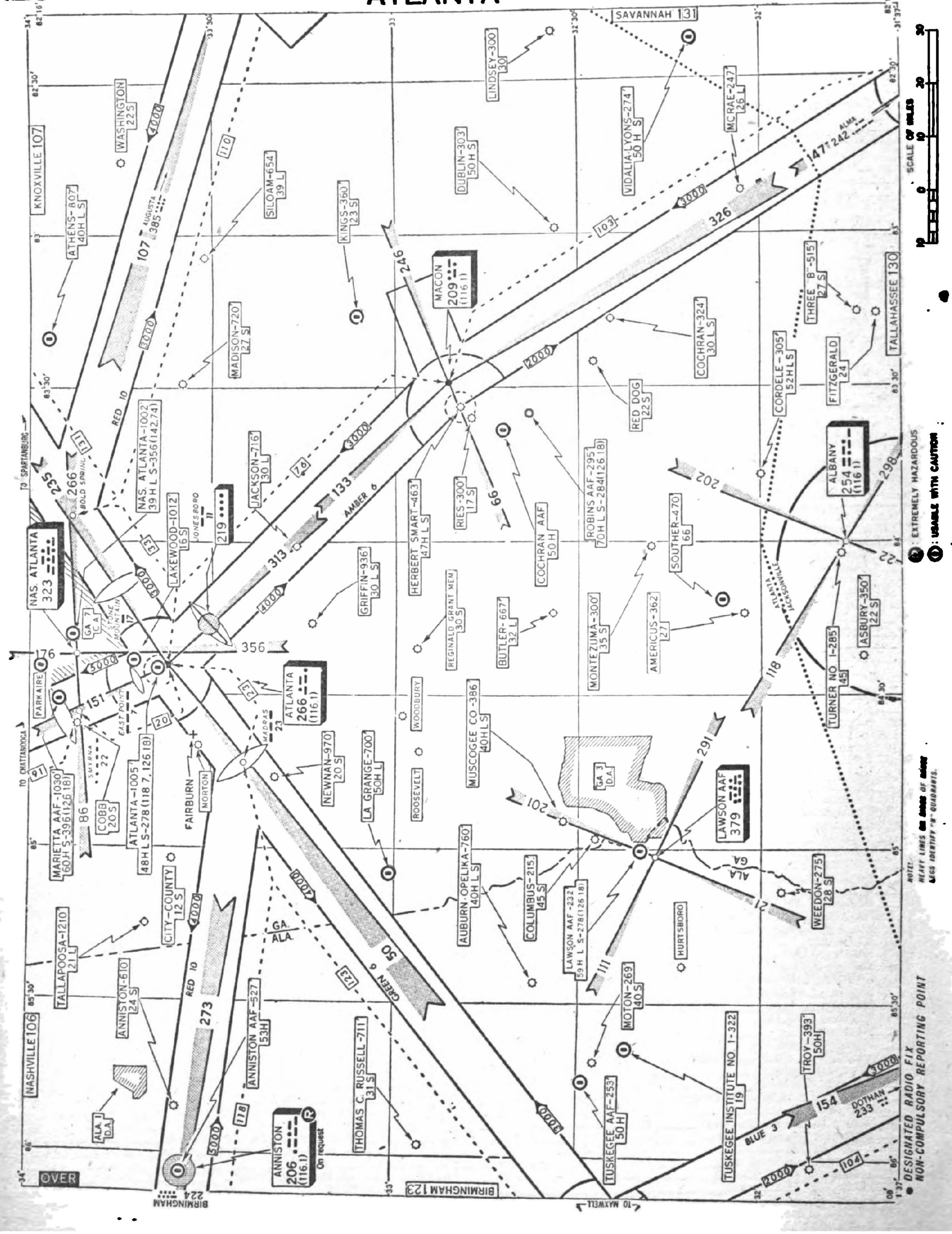
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anniston	5.5 SSW	610	24 S3	80 oct. Pole line W, lgtd.
(A) Anniston AAF (A)	15 SW; hwy N	527	53h R1	INACTIVE.
(P) Auburn-Opelika (Auburn)	2.8 E; RR N	770	40h L5 S6	80 oct. Fld lgts prior req.
Moton (Tuskegee)	3 N; RR,riv E	269	40 S6	73-91 oct. No sto. Twr S end.
Talladega (NC)	2.6 NE; RR SE	590	20	Pole line E, hill W.
Thomas C. Russell(Alexander Cy)	1.5 SW; hwy E	711	31 S5	80 oct.
(P) Troy	4.8 NNW; rd E	393	50h	
(A) Tuskegee AAF (A)	7.3 NW; RR S	253	50h	C-L-O-S-E-D.
Tuskegee Institute #1	4 SSE; hwy W	322	19	
Weedon (Eufaula)	4.3 NNE; hwy E	275	28 S2	80 oct.
Hurtsboro	2.5 SE,RR SW	349	23 S1	78 oct.

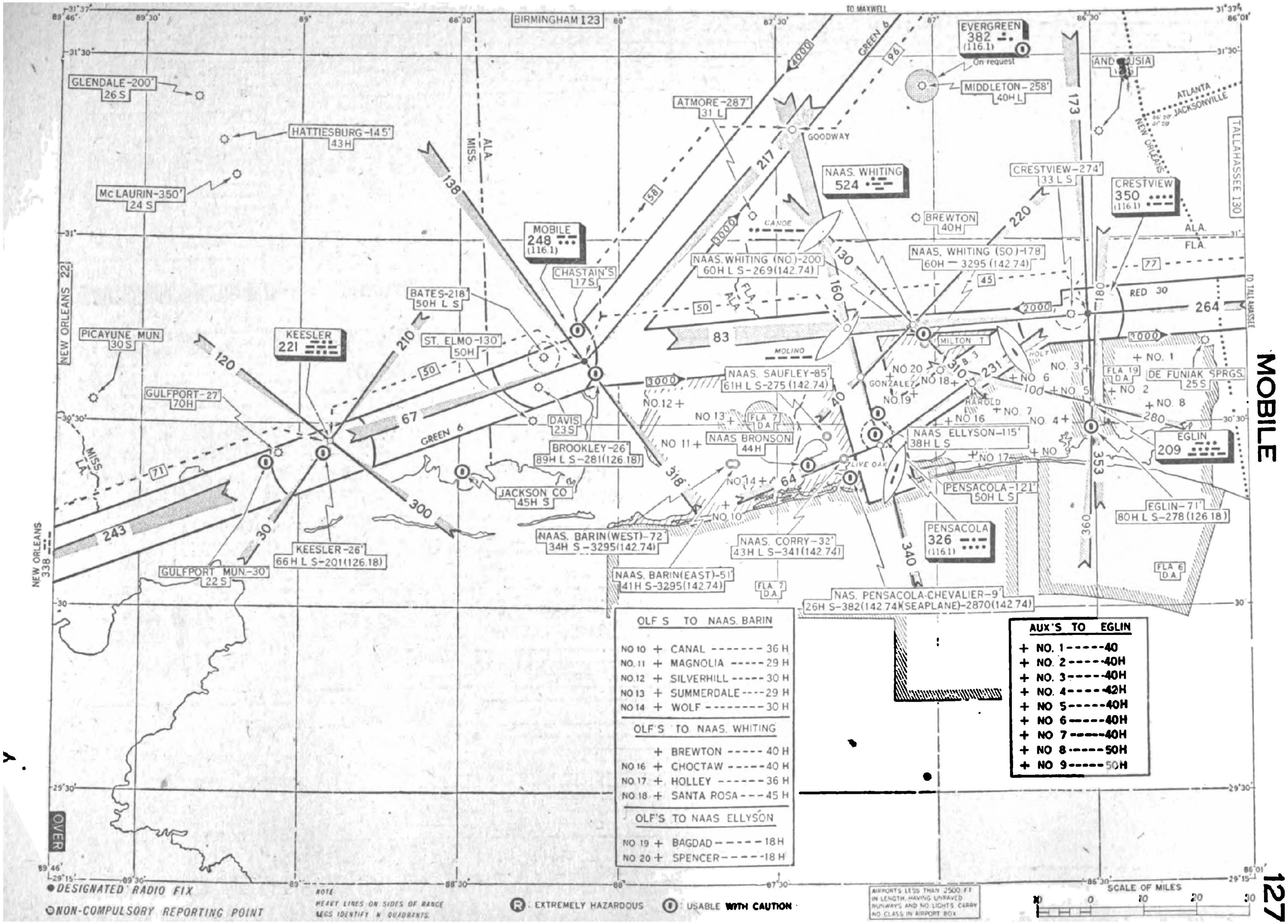
GEORGIA

Americus	1.5 S; RR W	362	27	Trees E, W, NE.
Asbury (Dawson)	5.7 SE; RR N	350	22 S1	Ltd 80 oct. Pole NNW.
Athens	3.5 E; RR N	807	40h L4 S6	80, 91 oct.
(A) ATLANTA	8 S; RR N	1005	48h R3 L6 S6	73-100 oct.Rdo rec req.Trees NW.
(N) Atlanta NAS (N)	8.5 NNE; hwy SE	1002	39h R2 L6 S6	100 oct. NAFC.
* Butler Int,14, T I-AG	0.5 NW; RR S	667	32 L3	Poles S.
City-County (Carrollton)	3.3 NE; hwy E	1200	12 S1	Ltd 73 oct.
Cobb (Marietta)	6.4 SSW; rd S	1050	20 S6	Ltd 80 oct.No sto.Trees NW.
(A) Cochran (Macon) (A)	10 S; RR E	354	50h	INACTIVE.
* Cochran Int,50,MM-AG	5 NE; rd N	324	30 L2 S6	80 oct. Poles NW, NE, S, SE.
Columbus	1.5 SSE; riv SW	215	45 S4	80 oct.
(P) Cordele	1.6 NNE; RR W	305	52h L3 S1	80 oct.
(N,P) Dublin	4.5 WNW; hwy S	303	50h S1	73 oct.
Fairburn	3.5 SW; RR S		24 S2	80 oct.Hi-line SE. Data not verified.
Fitzgerald	2 SSW; RR W,E	365	24	
Griffin	1.5 S;hwy E	936	30 L3 S6	80 oct. Twr E.
HERBERT SMART (Macon)	4 ESE;hwy W	463	47h R1 L5 S6	80,91 oct.,
* Jackson Int, 57, MM-AG	4.6 SW; rd S	716	30 L3	Barn E; bldg W.
Kings (Milledgeville)	1.5 NW; RR W	360	23 S4	80 oct. No sto.
(P) La Grange	3 SW; RR ESE	700	50h L2	
Lakewood (Atlanta)	4 S; bet RRs	1012	16 S4	80 oct.
(A) Lawson (Columbus) (A)	9.5 S; riv W	232	59h R2 L5 S6	91,100 oct. No sto.
(P) Lindsey (Swainsboro)	2.3 S; RR W	300	30	Pole line E.
McRae 47,MM-AG	2 SE; RR NE	247	26 L3	
Madison	2 SSW; RR E	720	27 S2	80 oct. Pwr line SSE.
(A) Marietta AAF (A)	2.5 SE	1030	60h R1 L5 S4	100 oct. JP-1 fuel.Lgts avail. up to 2000.
Montezuma	1.5 E; RR S,W	300	35 S1	Ltd 80 oct.
Morton (Palmetto)	1.8 NNE; RR SE	1020	24 S4	80 oct.
MUSCOGEE CO.(Columbus)	6 NE; Hwy E	386	40h L5 S6	80,91 oct. Fld lgts prior request.
Newnan Airpark	3.7 SE; RR W	970	20 L1 S1	80 oct.
Red Dog (Cochran)	6.2 NW; RR W	300	22 S4	80 oct. Trees N, E.
Reginald Grant Mem'l(Thomaston)	3.7 NNW;hwy NE	750	30 S4	80 oct. Trees S.
Ries (Macon)	4.5 SE; RR W	300	17 S1	Ltd 80 oct.- emerg. Trees N, E.
(A) Robins (Warner-Robins)(A)	1.5 NE Wellston	295	70h R1 L5 S6	62,73,91,100 oct. JP-1.
Roosevelt (Warm Springs)	3.5 N; hwy W	870	22 S2	80 oct. Trees SE, SW, NW.
* Siloam Int,7B, AG-CS	1.3 S; road W	654	39 L3	82' mast SE corner N/S strip.
Souther (Americus)	4 NE; RR W	470	66	
* Tallapoosa Int,73,FV-AG	5.5 SSE	1210	21 L3	Trees SE; house NW.
Three "B" (Fitzgerald)	1.5 N	515	27 S1	80 oct.
Turner #1 (Albany)	15 NE	285	45	
(A) Vidalia-Lyons	3.2 SE; hwy N	274	50h S1	80 oct.
Washington	1.4 NW; RR SE	600	22 S1	80 oct.
Parkaire (Marietta)	7.7E;hwy SW	1100	22 S1	80 oct.
Woodbury	1.5 E	770	16 S1	Fuel. Data unver.

h-hard surfaced runways R-radio facilities. L-lighting facilities S-servicing (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

ATLANTA


SAVANNAH 131
KNOXVILLE 107
ATHENS- 807 40H L S
WASHINGTON 22 S
4000
107
AUGUSTA
385
110
SILOAM-654 39 L
KINGS-360 23 S
DUBLIN-303 50 H S
LINDSEY-300 30
VIDALIA-LYONS-274 50 H S
MCRAE-247 26 L
147
242
ALMA
326
3000
103
246
MACON 209 (116 1)
MADISON-720 27 S
2000
RED 10
TO SPARTANBURG
235
266
BOLD SPRING
131
NAS. ATLANTA-1002 39 H L S-356(142.74)
70
133
AMBER 6
313
4000
JACKSON-716 30 L
JONESBORO
219
LAKEWOOD-1012 16 S
33
NAS. ATLANTA 323
GA 7
C A
STONE MOUNTAIN
17
176
356
PARKAIRE
151
EAST POINT
20
ATLANTA 266 (116.1)
MARIETTA AAF-1030 60H S-396(126 18)
91
86
SMYRNA 22
COBB 20 S
ATLANTA-1005 48H L S-278 (118 7, 126 18)
FAIRBURN
MORTON
MADRAS 23
NEWNAN-970 20 S
LA GRANGE-700 50H L
ROOSEVELT
WOODBURY
MUSCOGEE CO-386 40H L S
AUBURN-OPELIKA-760 40H L S
COLUMBUS-215 45 S
LAWSON AAF-232 59 H L S-278(126 18)
GA 3 D.A.
102
LAWSON AAF 379
291
111
HURTSBORO
GA ALA
50
GREEN 6
123
273
RED 10
TALLAPOOSA-1210 21 L
CITY-COUNTY 12 S
ANNISTON-610 24 S
ALA. 1 D.A.
ANNISTON AAF-527 53H
ANNISTON 206 (116.1) On request
THOMAS C. RUSSELL-711 31 S
BIRMINGHAM 123
BIRMINGHAM 224
OVER
NASHVILLE 106
TO CHATTANOOGA
TO MAXWELL
GRIFFIN-936 30 L S
HERBERT SMART-463 47H L S
RIES-300 17 S
66
COCHRAN AAF 50 H
ROBINS AAF-295 70H L S-284(126 18)
RED DOG 22 S
SOUTHER-470 66
AMERICUS-362 27
MONTEZUMA-300 35 S
MOTON-269 40 S
TUSKEGEE AAF-253 50 H
TUSKEGEE INSTITUTE NO 1-322 19
TROY-393 50H
BLUE 3
154
DOTHAN 233
104
2000
118
COCHRAN-324 30 L S
CORDELE-305 52H L S
THREE "B"-515 27 S
FITZGERALD 24
TALLAHASSEE 130
ALBANY 254 (116 1)
202
298
ATLANTA JACKSONVILLE
I-285
ASBURY-350 22 S
TURNER NO 1-285 45
WEEDON-275 28 S
12
SCALE OF MILES
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE: HEAVY LINES ON EDGES OF AREA LEGS IDENTIFY "B" QUADRANTS.
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT


BIRMINGHAM 123
TO MAXWELL
EVERGREEN 382 (116.1) On request
MIDDLETON-258' 40H L
GLENDALE-200' 26 S
HATTIESBURG-145' 43H
McLAURIN-350' 24 S
ATMORE-287' 31 L
GOODWAY
NAAS. WHITING 524
CRESTVIEW-274' 33 L S
CRESTVIEW 350 (116.1)
BREWTON 40H
MOBILE 248 (116.1)
CHASTAIN'S 17 S
NAAS. WHITING (NO)-200 60H L S-269(142.74)
NAAS. WHITING (SO)-178 60H — 3295 (142.74)
BATES-218' 50H L S
KEESLER 221
ST. ELMO-130' 50H
PICAYUNE MUN 30 S
NAAS. SAUFLEY-85' 61H L S-275 (142.74)
GULFPORT-27' 70H
DAVIS 23 S
BROOKLEY-26' 89H L S-281(126.18)
NAAS BRONSON 44H
NAAS ELLYSON-115' 38H L S
JACKSON CO 45H S
PENSACOLA-121' 50H L S
EGLIN 209
EGLIN-71' 80H L S-278 (126.18)
PENSACOLA 326 (116.1)
NAAS. BARIN (WEST)-72' 34H S-3295(142.74)
NAAS. CORRY-32' 43H L S-341(142.74)
KEESLER-26' 66H L S-201(126.18)
GULFPORT MUN-30' 22 S
NAAS. BARIN (EAST)-51' 41H S-3295(142.74)
NAS. PENSACOLA-CHEVALIER-9' 26H S-382(142.74)(SEAPLANE)-2870(142.74)
NEW ORLEANS 22
NEW ORLEANS 338
TALLAHASSEE 130
TO TALLAHASSEE
ATLANTA JACKSONVILLE
NEW ORLEANS
ALA. MISS.
ALA. FLA.
CANOE
MOLINO
MILTON T
HOLT
GONZALEZ
HAROLD
LIVE OAK
RED 30
FLA 19 D.A
FLA 7 D.A
FLA 6 D.A
DE FUNIAK SPRGS. 25 S
NO 1
NO 2
NO 3
NO 4
NO 5
NO 6
NO 7
NO 8
NO 9
NO 10
NO 11
NO 12
NO 13
NO 14
NO 16
NO 17
NO 18
NO 19
NO 20
OLF S TO NAAS. BARIN
NO 10 + CANAL ------- 36 H
NO. 11 + MAGNOLIA ----- 29 H
NO 12 + SILVERHILL ----- 30 H
NO 13 + SUMMERDALE ---- 29 H
NO 14 + WOLF -------- 30 H
OLF'S TO NAAS. WHITING
+ BREWTON ----- 40 H
NO 16 + CHOCTAW ----- 40 H
NO 17 + HOLLEY ------ 36 H
NO 18 + SANTA ROSA --- 45 H
OLF'S TO NAAS ELLYSON
NO 19 + BAGDAD ----- 18 H
NO 20 + SPENCER ----- 18 H
AUX'S TO EGLIN
+ NO. 1 ----- 40
+ NO. 2 ----- 40H
+ NO. 3 ----- 40H
+ NO. 4 ----- 42H
+ NO 5 ----- 40H
+ NO 6 ----- 40H
+ NO 7 ----- 40H
+ NO 8 ----- 50H
+ NO 9 ----- 50H
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS CARRY NO CLASS IN AIRPORT BOX
SCALE OF MILES
10 0 10 20 30

RADIO

ALABAMA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARIN FIELD NAAS(Foley) East Field	3295(142.74)	CN	3105;142.74
BARIN FIELD NAAS(Foley) West Field	3295(142.74)	CN	3105;142.74
BROOKLEY FIELD(Mobile)	281 (126.18)+	CA	(4); 126.18
CANOE FM	(- - - - -)	FM, 310°, 24.9	Whiting NAAS
EVERGREEN (Middleton)	382(EN)(116.1	MHVT	(4);116.1
→ MOBILE (Brookley)	248(MS)(116.1)	SBRAZ-VDT;138°,3.2	(4),116.1

FLORIDA

CORRY FLD NAAS(Pensacola)	341(142.74)	CN	3105;142.74
CRESTVIEW	350 (HW) (116.1)	SBRAZ-VDT;264°,2.6	(4);116.1
EGLIN (Valparaiso)(Army)	209 (DVQ)	MHLPZ	(Voice 6-24)(3);126.18
Eglin Field	278(126.18)+	CA;180°,4	(3);126.18 (6-24)
→ ELLYSON FLD NAAS (Pensacola)			DECOMMISSIONED
EOLF FM	(-)	FM, 51°, 11.2	Pensacola
LIVE OAK FM	(- -)	FM, 160°, 6	Pensacola
ROLLINO FM	(- - - -)	FM, 340°, 21.4	Pensacola
PENSACOLA	326(EN)(116.1)	SBRAZ-VDT;340°,2.1	(4); 116.1
Pensacola-Chevalier NAS	382 (142.74)	CN	(4);142.74(sunrise-30 mins after sunset.
Pensacola-Chevalier NAS (Seaplane)	2870(142.74)	CN	3105;142.74 (730-1630 except Sat,Sun. & holidays).
→ SAUFLEY FLD NAAS (Pensacola)	275 (142.74)	CN	3105,4495;142.74 (OCA)
WHITING (Milton)(Navy)	328 (AWT)	MHLZ	
Whiting Fld NAAS(North)	269 (142.74)	CN;130°,3.2	3105,4495;142.74
Whiting Fld NAAS(South)	3295(142.74)	CN	3105;142.74(7-22)

MISSISSIPPI

KEESLER(Biloxi)(Army)	221 (DDX)	MHLZ	(4); 4220
Keesler Field	201 (126.18)	CA; 210°, 2.9	(4); 4220

S-Simul. Range and Voice; W Without Voice, Z VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthesed Numbers in Frequency Column Indicate VHF Voice + Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS

ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Andalusia	1.7 SSE;RR N	340	18 S1	80 oct.
★ Atmore Int,16,NO-AG	6 NW;at rd int	287	31 L3	
(N) Barin NAAS-East(Foley)	2.7 ESE	51	41h R1 L1 S4	91 oct.
(N) " -West(Foley)	2.7 ESE	72	34h R1 L1 S4	91 oct.
→ BATES (MOBILE)	10 W;rd N,S	218	50h L5 S4	80,91 oct.No flood lgts; etc
Brewton (old)(NC)	2.5 N;hwy E	100	23	UNUSABLE. lgts req
(P) " (new)	3.5 S;riv N	92	40h	
(A) Brookley (Mobile)(A)	3 SSW;RR NW	26	89h R2 L5 S4	62,73,91,100oct.JP-1
(N) Canal OLF (Foley)(N)	8 S;rd W	16	36h	
Chastain's(Prichard)	2.5 NW;RR E	50	17 S1	80 oct.
Davis (Mobile)	12.1 WSW;RR E	180	23 S1	73 oct.
(N) Faircloth (Lillian)(N)	3 NW; bay E	70	37	
(N) Kaisers Tract OLF (Elberta) (N)(NC)	3.3 ENE;hwy S	90	25	
(N) Magnolia OLF (Foley)(N)	5.4 NW	83	29h	
(P) Middleton (Evergreen)	6 WSW; hwy N	258	40h R1 L5	Fld lgts prior req.
St. Elmo	1 WSW; RR S	130	50h	
(N) Silverhill OLF (N)	3.5 WNW	129	30h	
(N) Summerdale OLF (N)	3.5 ENE;RR W	129	29h	
(N) Wolf OLF (Josephine)(N)	1.5 N; bay E	54	30h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page xiii)(NC)-Not charted. → NEW OR REVISED DATA

FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(N) Bagdad OLF (Pensacola)	14 NE;RR SE	111	18h	Use rnwys.(N)
(N) Bronson NAAS(Pensacola)(N)	12 WSW;bay W	27	44h	INACTIVE.
(N) Choctaw OLF (Pensacola)	15 ENE	111	40h	(N)
Crestview,21,NO-JX	2.5 N;RR E	274	33 R1 L2 S6	80 oct. No sto.
De Funiak Springs	1 W;RR N	197	25 S1	80 oct. Pwr line N.
(A) Eglin (Valparaiso)(A)	1.8 SW;hwy SE	71	80h R2(L5)S4	73-100 oct. JP-1. No sto.
(A) " #1 " (A)	13.7 NNE	238	40h	
(A) " #2 " (A)	6.1 NNE	157	40h	
(A) " #3 " (A)	10 N	192	40h	
(A) " #4 " (A)	6.2 W	92	42h	
(A) " #5 " (A)	10 NW	178	40h	
(A) " #6 " (A)	18.2 WNW;riv NW	136	40h	
(A) " #7 " (A)	19.5 W	133	40h	
(A) " #8 " (A)	10.3 ENE	113	50h	
(A) " #9 " (A)	13.7 WSW	35	50h	
(N) Ellyson NAAS(Pensacola)	7.5 NNE;bay E	115	38h L S6	73,91 oct.E and W flds.CLSD.(N)
Gulf Airpark (Pensacola)	3 NW		17	Data not verified. (NC)
(N) Helm OLF (Pensacola)(N)	12 NW	100	54	(NC)
(N) Holley OLF (N)	1.5 S;riv N	37	36h	
Milton "T" (NC)	3.5 ENE;RR S	150	53 S3	80 oct.
(P) PENSACOLA	4 NNE;bay E	121	50h R1 L5 S6	80,91 oct.
(N) " NAS (Chevalier)(N)	5.3 SW;RR W	9	26h R1 L S6	91 oct.Flood,obst lgts.
(N) → " NAS (Corry)(N)	5 WSW;hwy SE	32	43h R1 L4 S6	91 oct.Obsts N,E,W.
(N) " OLF #1 (N)(NC)	14 NW;riv 3 W	100	46	
(N) " OLF #5 (N)(NC)	10 NNW;RR W	115	57	
(N) " OLF #6 (N)(NC)	10 NNW;RR E	110	48	
(N) " OLF #7 (N)(NC)	7 NW	103	37	
(N) " OLF #8A (N)(NC)	13 NW	100	73	
(N) " OLF #9K (N)(NC)	11.5 NNW;RR E	110	50	
(N) Santa Rosa OLF (Milton)	6 E;rive N,S,W	150	45h	(N)
(N) Saufley NAAS (Pensacola)	8.5 WNW;bay SW	85	61h R1 L5 S4	87,91 oct. (N)
(N) Spencer OLF (Pensacola)	15 NNE;bay S	145	18h	(N)
(N) Whiting NAAS-North (Milton)(N)	6 N	200	60h R2 L6 S4	73,91,100 oct.
(N) " " -South (Milton)(N)	5 N	178	60h R1	Use N fld. INACTIVE.

MISSISSIPPI

Ellisville (NC)	1.3 SW;RR SE	240	18	
Glendale(Hattiesburg)	5 NNW;hwy E	200	26 S3	80 oct.
→ Gulfport	3.4 NE	27	70h	
" mun.	1.3 N;RR E	30	22 L1 S1	80 oct.Twrs SE,NNE,lgtd.
Hattiesburg	5 SSE;RR SW,NE	145	43h	Poles W,NW
Jackson Co.(Pascagoula)	3.5 ENE;RR N	16	45h L5 S6	80,91 oct.
(A) Keesler (Biloxi)(A)	2 WNW;bay N	26	66h R2 L5 S5	73,91,100 oct.Rdio rqd ngts.
McLaurin	1 NNE;RR W	350	24 S4	73 oct.Lgt acft only.
Picayne	2.3 NNE	92	30 S4	73 oct.No sto.Trees N,SW.

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
DOTHAN	233(NW)(116.1)	SBRAZ-VDT,47°,3.7	(4);116.1
FLORIDA			
CROSS CITY	269 (FC)(116.1)	SBMRAZ-VDT,315°,2.7	(4), 116.1
DALE MABRY FLD (Tallahassee)	281 (126.18)(118.3)	C, 85°, 2.7	(4), 126.18, 118.3.131.9
→ TALLAHASSEE (Dale Mabry Fld)	335 (TJ)(116.1)	SBRAZ-VDT,85°,2.7	(3), 116.1
TYNDALL (Panama City)(Army)	203 (DKE)	BMRLZ	Voice 8-23. (3); 126.18
Tyndall Field	272 (126.18)	CA, 313°, 3	(3), 126.18 (6-24)
GEORGIA			
ALMA (Int.)	242 (AJ)(116.1)	SBRAZ-VDT,144°, 2.2	(4), 116.1
TURNER LFM (Army)(NC)	(- - -)	FM,202°,11.6	Albany (On req)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
→ DOTHAN	3 WNW;hwy S,E	330	40h R1 L5 S6	80,91 oct.No sto.No flood lgts.
Enterprise	0.5 NE	355	22	
Headland	2 NE,hwy N	350	48	
→ Napier (Dothan)	7.5 NW,RR S	397	45h	
(A) Ozark AAF (A)	12 SSW	305	46h	INACTIVE
Southern Airmotive	2 SE,RR W	322	27 S4	80 oct. Twr NW. (Dothan)

FLORIDA

(A) Alliance #4(Marianna)(A)	14 SE	215	50h	C-L-O-S-E-D.
(A) Apalachicola AAF (A)	2 W,RR N	19	53h	INACTIVE
Bascom (Marianna)	15.5 NE	120	50h	
Carrabelle Flgt Strip	2.6 W,hwy S	20	40h	
Chipley	1.5 SE,hwy N	100	24 S1	80 oct.Trees around fld.
→ Cross City	1 SE,RR SW	42	50h R1 L5	
DALE MABRY (Tallahassee)	3 W, RR S	70	52h R2 L5 S4	80, 91 oct.
Ellis (Marianna)	9.5 N,riv W	116	50h	
→ Jasper ,43,NO-JX	3.5 SSE,RR NE	148	36 L3	Poles W.Power line NE.
John H. Alison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct. Lgts prior req.
(N) Lake Butler OLF (N)	2 SSW,RR NW	131	60h L	
→ Lake City	3.7 ESE,RR S	201	60h	
Lake Jackson(Tallahassee)	9 NNW,riv NW	250	30 S4	80 oct. No sto.
Live Oak	1 W,RR W	105	26 S1	80 oct. Pole line N,NE,SW. Hwy N.
Malone #2 (Marianna)	15.5 N	154	50h	
Marianna	6 NE,hwy E	112	50h L5 S4	80 oct.Fld lgts prior req.
Montbrook (Williston)	3.2 SSW,hwy E	70	70h	
Monticello (NC)	1.5 SW,hwy E	160	25	
Panama City	5 NW,bay N,S,W	5	19 S6	80 oct.

FLORIDA

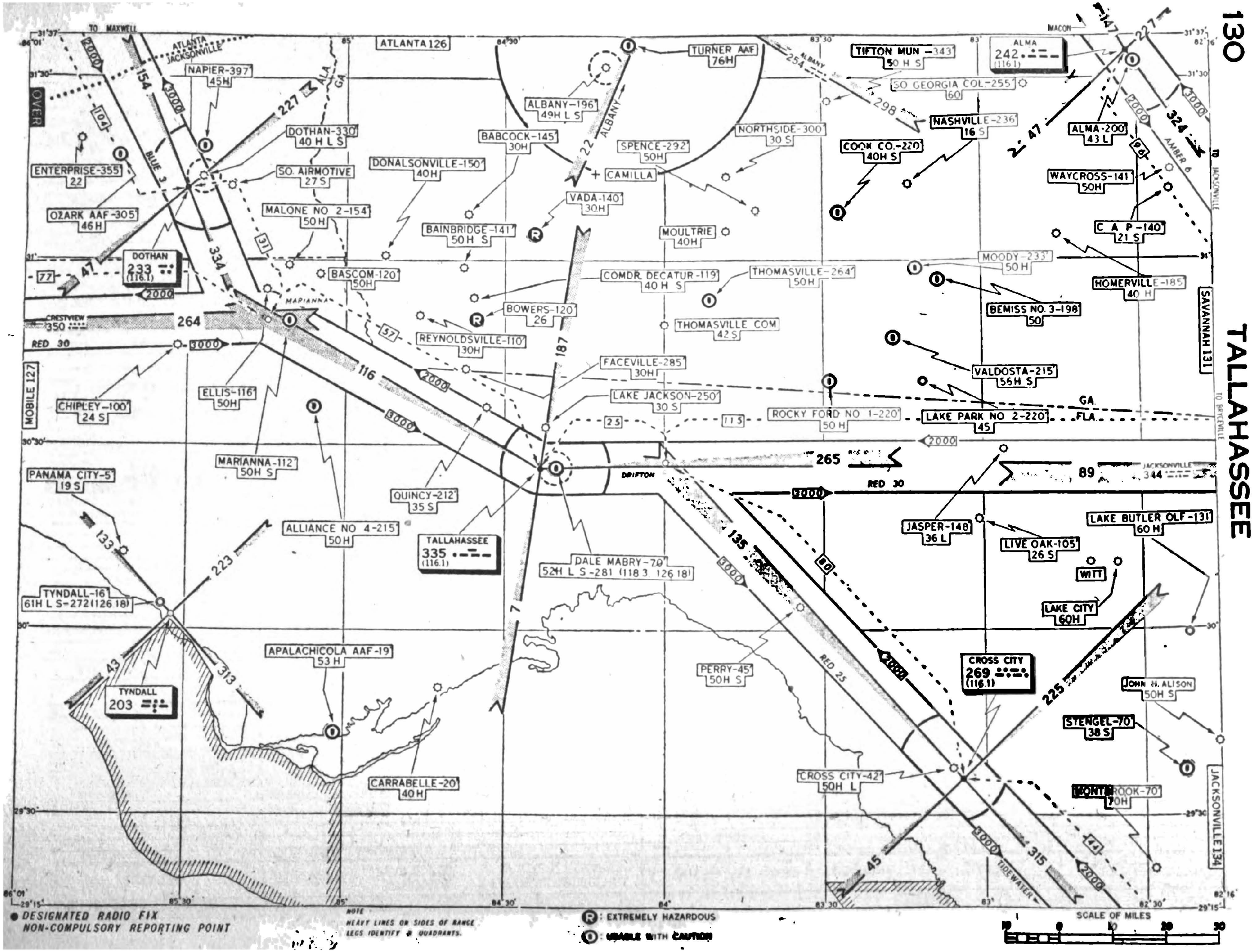
AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
→ Perry	2 S, RR E	45	50h S2	80,91 oct.
Perry Municipal	0.5 NE	43	20	Trees NE,SW
Quincy	1.5 NE,RR S	212	35 S1	80 oct.
Stengel(Gainesville)	4 WSW,RR SE	70	38 S6	80 oct. Trees around fld.
Tennile (NC)	2.2 SSW;rd E	35	20	Trees SW Road E
→ (A) Tyndall (Panama City)	8 SE	16	61h R2 L5 S6	73,91,100 oct. Gulf of Mexico SW. (A)
Witt (Lake City)	2 WSW,hwy S	200	36 S4	80 oct No sto.

GEORGIA

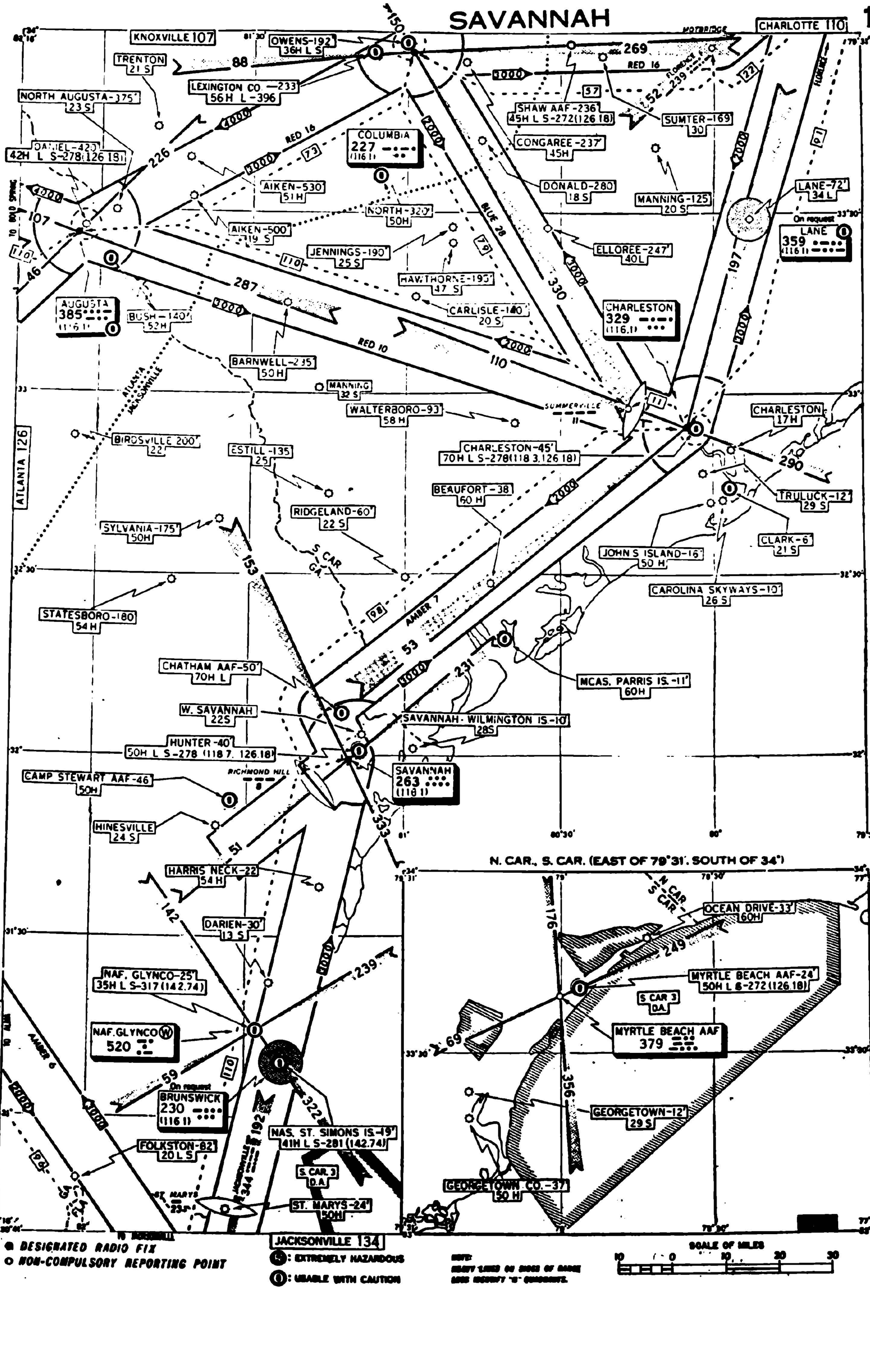
→ ALBANY	4 SW, RR N	196	49h R1 L5 S6	80, 91 oct.
★ Alma Int,43,MM-AG	2.5 W,hwy N	200	43 R1 L3	
Babcock(Bainbridge)	3.5 ENE Boykin	145	30h	
→ Bainbridge	7 NNW,RR NE	141	50h S6	80, 91 oct.
(A) Bemiss #3 (Valdosta)(A)	12 NE,hwy SE	198	50	INACTIVE
Bowers (Bainbridge)	4.5 S,rd W	120	26	Trees sur fld. Closed. High weeds.
Camilla	0.7 NW		22 S1	80 oct. Data not verified.
Civil Air Patrol (Waycross)	2.6 WSW,RR SE	140	21 S1	80 oct. Obsts surround fld.
Commodore Decatur	2 W,riv S	119	40h S1	80 oct. (Bainbridge)
Cook County (Adel)	1.3 W,hwy NE	220	40h L3 S6	80, 91 oct.
Donalsonville(Bainbridge)	1 S Donalsonv'l	150	40h	
Faceville(Bainbridge)	3.5 S Faceville	285	30h	
Homerville Flgt Strip	2.5 NW,hwy NE	185	40h	
(A) Lake Park #2(Valdosta)	12.5 SSE,hwy N	220	45	INACTIVE (A)
→ (A) Moody (Valdosta)(A)	11.5 NNE,RR W	233	50h	INACTIVE
Moultrie	7 S,hwy NW	287	40h	
Nashville	1.3 ENE,RR S	236	16 S6	80 oct.
Northside (Moultrie)	3.2 NNW,RR W	300	30 S4	80 oct. No sto.
Reynoldsville (Bainbridge)	1.7 SSW Reynoldsville	110	30h	
(A) Rocky Ford #1 (A)	16 SW,hwy N	220	50h	C-L-O-S-E-D.(Valdosta)
South Georgia College	1.3 S,RR W	225	60	(Douglas)
→ Spence (Moultrie)	5 SE,hwy W	292	50h	
→ (P) Thomasville	8.5 ENE,hwy S	264	50h	
Thomasville, com.	1 SW,RR N	250	42 S4	80 oct.Trees sur fld.
Tifton Mun.	2.3 SE,hwy W	343	50h L5 S4	80,91 oct. Lgts prior req.
→ (A) Turner (Albany) (A)	3.8 ENE,riv N	215	76h	INACTIVE.
Vada (Bainbridge)	3 NE of Vada	140	30h	
Valdosta	2.5 S,hwy E	215	56h S1	80 oct.
→ (P) Waycross	4 NW,hwy E	141	50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See [illegible] XIII)(NC)-Not charted. → NEW OR REVISED DATA

TALLAHASSEE



SAVANNAH


KNOXVILLE 107
OWENS-192 36H L S
TRENTON 21 S
LEXINGTON CO —233 56H L -396
NORTH AUGUSTA-375' 23 S
DANIEL-420' 42H L S-278(126 18)
COLUMBIA 227 (116 1)
AIKEN-530' 51H
AIKEN-500' 19 S
NORTH-320' 50H
JENNINGS-190' 25 S
HAWTHORNE-195' 47 S
CARLISLE-140' 20 S
AUGUSTA 385 (116 1)
BUSH-140' 52H
BARNWELL-235' 50H
MANNING 32 S
WALTERBORO-93' 58 H
BIRDSVILLE 200' 22
ESTILL-135' 25
RIDGELAND-60' 22 S
SYLVANIA-175' 50H
STATESBORO-180' 54 H
CHATHAM AAF-50' 70H L
W. SAVANNAH 22S
HUNTER-40' 50H L S-278 (118 7. 126.18)
CAMP STEWART AAF-46' 50H
HINESVILLE 24 S
HARRIS NECK-22' 54 H
DARIEN-30' 13 S
NAF. GLYNCO-25' 35H L S-317(142.74)
NAF. GLYNCO 520
BRUNSWICK 230 (116 1)
FOLKSTON-82' 20 L S
NAS. ST. SIMONS IS.-19' 41H L S-281 (142.74)
S. CAR. 3 D.A.
ST. MARYS-24' 50H
JACKSONVILLE 134
SAVANNAH 263 (118 1)
SAVANNAH-WILMINGTON IS.-10' 28S
CHARLESTON-45' 70H L S-278(118 3,126 18)
BEAUFORT-38' 60 H
MCAS. PARRIS IS.-11' 60H
CHARLESTON 329 (116.1)
CHARLESTON 17H
TRULUCK-12' 29 S
CLARK-6' 21 S
JOHN S ISLAND-16' 50 H
CAROLINA SKYWAYS-10' 26 S
SHAW AAF-236' 45H L S-272(126 18)
SUMTER-169' 30
CONGAREE-237' 45H
DONALD-280' 18 S
MANNING-125' 20 S
ELLOREE-247' 40L
CHARLOTTE 110
LANE-72' 34 L
LANE 359 (116 1)
On request
MYRTLE BEACH AAF-24' 50H L S-272(126.18)
S CAR 3 DA
MYRTLE BEACH AAF 379
OCEAN DRIVE-33' 60H
GEORGETOWN-12' 29 S
GEORGETOWN CO.-37' 50 H
N. CAR., S. CAR. (EAST OF 79°31', SOUTH OF 34°)
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION

RADIO — GEORGIA

LOCATION	FREQ., IDENT	STA CLASS, BEAR & DIST	FREQS GUARDED, HRS OF OPER., REMARKS
AUGUSTA (Daniel)	385 (VD)(116.1)	SBRAZ-VDT,46°,2.1	(3), 116.1
BUSH FIELD (Augusta)			DECOMMISSIONED
BRUNSWICK	230 (BS)(116.1)	MHVT	(4), 116.1
GLYNCO (Navy)	520 (NEA)	MRLWZ	
Glynco NAF-LTA	317 (142.74)	CN,239°, 0.3	3105,4495, 142.74 (8-17)
HUNTER FIELD (Savannah)	278 (126.18) (118.7)	AC	(4) 131.9,126.18, H3 7
RICHMOND HILL FM	(- - -)	FM, 231°, 8	Savannah
ST. MARYS FM	(-)	FM, 12°, 23	Jacksonville, Fla.
ST. SIMONS ISLAND NAS	281 (142.74) (140.58)	CN	(3):142.74,140.58 (630-24)
SAVANNAH (Hunter)	263 (SH)(116.1)	SBMRLZ-VDT,51°,2.2	(3), 116.1
DANIEL(AUGUSTA)	278(126.18)	C	(4)-126.18

SOUTH CAROLINA

CHARLESTON	329 (CS)(116.1)	SBRAZ-VDT	(3), 116.1
Charleston Airport	278 (126.18) (118.3)	AC(ILS)-110°,1.9	(4), 131.9,126.18,118.3
COLUMBIA (Owens Field)	227 (CI)(116.1)	SBRAZ-VDT,330°,1.8	(4), 116.1
LANE (Intermediate)	359 (LX)(116.1)	MHVT	(4), 116.1
MYRTLE BEACH (Army)	379 (DMB)	BMRAZ	
Myrtle Beach AAF	272 (126.18)	CA, 69°, 4.4	(3), 126.18
SHAW FIELD (Sumter)	272 (126.18) +	CA	(3), 126.18 (7-24)
SUMMERVILLE FM	(- - - -)	FM, 296°, 10.7	Charleston
[illegible] CO. APT (Columbia)	396	C	(4)118-22 See Notice to Airmen

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
Charleston, S.C.	110.3	335	150° Mag.		MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker (3) 3105 4495 6210 kcs (4) 3105 4495 6210 31175 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army ACS transmits on and guards 116.1 137.88 140.58 mcs

AIRPORTS — GEORGIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Birdsville (Millen)	9.4 WNW;riv S	200	22	
Bush (Augusta)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville) (A)	3 NE;hwy SW	46	50h	INACTIVE
(A) Chatham AAF (Savannah) (A)	7.5 NW;RR E	50	70h L5	INACTIVE
DANIEL (Augusta)	2.5 W;RR S	420	42h R2 L5 S4	80, 91 oct. No sto. Use rnwys only
Darien	0.8 SE;riv S	30	13 S1	Ltd 80 oct. Trees W.
★ Folkston Int,37,MM-AG	0.7 WNW;hwy E	82	20 L3 S1	80 oct. on req.
(N) Glynco NAF (LTA)(N)	6.4 N;hwy SE	25	35h R2 L5 S4	91, 100 oct.
Harris Neck	7 E of So.Newport	22	54h	
Hinesville	3 S; hwy W	55	24 S4	73 oct. No sto. Rdo repairs.
HUNTER (Savannah)	3.5 SW;RR yd NW	40	50h R2 L5 S6	80, 91 oct.
St. Marys	1.7 NNW;hwy S	24	50h	
(N) St. SIMONS ISLAND NAS (N)	6 E Brunswick	19	41h R2 L5 S4	100 oct No sto. Lgts on req Trees NE,W
Savannah-Wilmington (Savannah)	8 ESE; hwy N	10	28 S6	73 oct. Trees NE,SW.
Statesboro	3.8 NE;hwy W	180	54h	
Sylvania	7.5 SSE;hwy E	175	50h	
West Savannah(Savannah)	3 W; RR W,N	42	22 S6	80 oct. Pole line NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

GEORGIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS

SOUTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aiken (old)	2 E; RR NNE	500	19 S4	80 oct. Trees SSW.
Aiken (new)	6 NNE; RR SW	530	51h	
Barnwell	1 WNW;hwy E	235	50h	
(P) Beaufort	4 NW	38	60h	
Carlisle (Bamberg)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Skyways (Charleston)	6 SSW;riv W	10	26 S4	80 oct.
(A) CHARLESTON (mun.)	9.8 NW;RR NE	45	70h R3 L6 S4	100 oct. Use rnwys only.
(N) Charleston (N)	4 N; riv E	13	17h	INACTIVE.
Clark (Charleston)	4 S;riv SW	6	21 S1	80 oct. Trees surround fld.
Congaree (Columbia)	15.5 ESE;RR S	237	45h	
Donald (St.Matthews)	2.5 NNE; RR S	280	18 S1	Ltd 80 oct. Trees SE.
★ Elloree Int,25,AG-CS	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill	2.5 SSW;RR E	135	25	
Georgetown	1 NW;riv E	12	29 S6	80,91 oct.
(P) Georgetown County	4 S;bay E	37	50h	
Hawthorne(Orangeburg)	5 S; RR E	195	47 S6	80, 91 oct. Tank N.
Jennings (Orangeburg)	2.3 S; RR E	190	25 S2	80, 91 oct. Pole line ENE.
John's Island (Charleston)	7 SSW; rd W	16	50h	
★ Lane Int,24,JX-RW	3 S;RR W	72	34 R1 L3	
Manning (Allendale)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning	1.5 SE;RR NNE	125	20 S1	Ltd 80 oct.
(A) Myrtle Beach AAF(A)	3 WSW;hwy SE	24	50h R2 L5 S6	73,91,100 oct. No sto.
(A) North (A)	1.5 SE; hwy N	320	50h	INACTIVE
North Augusta	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive (Wampee)	3.5 SE;hwy SE	33	60h	
OWENS (Columbia)	2.5 SE;RR SW	192	36h R1 L4 S6	80 oct. Tank WSW, twr SSE.
(N) Parris Island MCAS	1.5 S	11	60h	INACTIVE (N)
Ridgeland	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
(A) Shaw (Sumter)(A)	7 WNW;RR W	236	45h R1 L5 S6	73, 91, 100 oct. JP-1
Sumter	1.5 NW; RR S	169	30	
Trenton	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston)	5.5 W;RRs N	12	29 S6	80 oct. Poles surround fld.
(P) Walterboro	1.3 NE;hwy SE	93	58h	
(A)Lexington Co.(Columbia)	7 SW; RR SE	233	56h R1 L5	

RADIO — FLORIDA

LOCATION	FREQ. IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARD HRS. OF OPER., REMARKS
BANANA RIVER (Navy)	524 (NPB)	MRLZ	(3)
Banana River NAS	224 (142.74)	CN,106°,4.8	(3), 142.74
BAYARD FM	(- - -)	FM, 158°, 19	Jacksonville
BRYCEVILLE FM	(- - - -)	FM, 269°,20.2	Jacksonville
CECIL NAAS (Jacksonville)	201 (142.74)	CN	3105;142.74 (flying hrs)
DAYTONA BEACH	236(DB)(116.1)	BMLZ-VDT,101°, 2.1	(4), 116.1
DREW FIELD (Tampa)	317 (126.18) (118.5)	AC	(4),126.18,118.5,131.9
FORT GEORGE ISLAND FM	(- -)	FM,89°,10.25	Jacksonville
JACKSONVILLE	344(JX)(116.1)	SBRAZ-VDT	(3); 116.1
Jacksonville Arpt No. 1	278 (126.18) (118.5)	AC, 269°, 1.7	(4); 131.9,126.18,118.5
Jacksonville NAS	365(NIP)	MRLZ	
Jacksonville NAS	323 (126 18) (142.74)	CN;89°,3 1	(3);126.18,142.74
Jacksonville NAS	3295	CN	3105 (Seaplane)
MacDILL (Tampa) (Army)	1742 (TM)	H	
MacDill Field	227 (126.18)+	CA	(3), 126.18
MAYPORT CGAS	142.74	CN	3105;140.58,142.74
MELBOURNE (NC)	257 (OU)(116.1)	SBRAZ-VDT,158° 2.2	(4); 116.1 (On req only)
NORTH TAMPA FM	(- - - -)	FM, 355°, 10.1	Tampa
ORLANDO	206(OR)(116.1)	BMRLZ-VDT	(3), 116.1
Orlando Arpt.	278 (126.18) (118.7)+	C, 220°, 3.4	(4),118.7,131.9, 126.18
PINELLAS (St. Petersburg)	272 (118.3)	CI	(4); 131.9 (8-24)
TAMPA (Peter O. Knight Arpt.)	388 (TM)(116.1)	SBRAZ-VDT,55°, 2.6	(4), 116.1
VERO BEACH NAS	242 (VB)(116.1)	MHVT	(4), 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. ILSAN	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — FLORIDA

ARPT.-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P)Albert Whitted (St. Petersburg)	2.5 E,bay E	6	33h L3 S6	80,91,100 oct.Coast Gd. Sta,adj. Poles,stack NW,SW.
Petersburg) (NC)				
Altoona (NC)	0.6 NW,RR E	155	25	Trees ends strips.
Avon Park	1.5 W,RR E	127	40h S1	80 oct.Trees SE.
(A)Avon Park AAF(A)	11 ENE,lake NW	65	54h	INACTIVE. Lgts
(N)Banana River NAS	11 SE Cocoa	9	40h R2 L5 S6	91 oct.No bcn. (N) on req.
Barberville (NC)	1 SE,bet RR& rd	25	25	Pole line E.UNUSABLE.
Bartow	5.5 NE,RR NW	128	50h L5 S2	80,91 oct.
Bostwick (NC)	1 NW,RR E	53	34	
Bradenton	0.5 S,RR NE	20	24 S1	80 oct.Trees W.Poles SW
(N)Branan OLF(Jax)	14 5 SW	73	40h L	B-2 lgts.
Brooksville	7.5 SW,hwy E	70	70h	
Bushnell	2.8 NE,hwy S	82	60h	N-S rnwy unusable.
Cannon Mills (Orlando)	3.8 E,hwy N	105	41 S6	80 oct.No sto.Poles sur fld.
(N)Cecil NAAS (Jacksonville)(N)	16 WSW,hwy NW	80	50h R2L5 S4	87,91 oct. Trees sur.fld
Cedar Keys (NC)	1 W,bay S	6	24h	
Clearwater	2.5 NE,hwy S	73	30 S6	80 oct.No sto.Trees W.
Cocoa	1 N,RR E	20	26 L1	Pole line E,trees S,W.
Craig (Jacksonville)	9 E,riv N	41	40h L5 S6	80,91 oct. No sto.
Daytona Beach	2.8 SW,hwy S	34	41h R1 L5 S6	80, 91 oct.
Deland	2.5 NNE,hwy S	80	60h L5 S1	87,91 oct.
Deland-Orange City (Orange City)	1 SW,riv W	90	26 S1	80 oct. Pole line E.
Drew (Tampa)	5 W,bay SW	26	70h R1 L5 S6	80, 91 oct.Rdo rec req.
Dunnellon	4.5 E,hwy S	66	50h	
Ellenton	1.5 NNW,RR N	18	15	Pole line NE,trees SW,
(P)Fernandina	4 S,ocean E	16	50h	
(N)Flemings Island OLF (Jacksonville) (N)	17.5 SSW	23	40h L	B-2 lgts.
Ft. Pierce, com.	3.3 SSE,RR E	18	26 L1 S6	80 oct.Pole line W.
(P)Ft. Pierce, mun.	3.5 NW,hwy E	24	50h	
Frank D. Waterman (Eustis)	0.9 SSW,lake NNW	81	23 S1	80 oct.Poles SW,N,W.
Gilbert (Winter Haven)	3.5 NNW,lake W,E	135	40h S6	80, 91 oct.
Gray's (Leesburg)	5 N,RR,hwy W	130	27 S6	80 oct.Orange groves W.
Haines City (NC)	1 NW	175	20 L1	
Hart (Jacksonville)	6.5 W,RR N	20	40 S6	80,91 oct.Trees sur fld
Hawthorne	1.2 SSE,RR W	120	24 S1	Ltd 80 oct.Trees S,W,NE
Hendricks (Sebring)	6.5 ESE,RR N	62	50h	
Herlong (Jacksonville)	10.5 WSW	87	40h	
Hidden Acres (Clarcona)	1.5 WNW,lake W	93	25 S6	80 oct.Trees E.
Hillsborough (Tampa)	7 NNE	67	50h	
Hoequist(Orlando)	3.8 SW,bet lakes	90	20 S4	80 oct.No sto.Trees E.
(N)Jacksonville NAS(N)	7.2 S,riv E,N	20	60h R1 L5 S6	91, 100 oct. NAGS.
(A)Jacksonville No. 1	6.3 N,RR W	52	70h R2 L5 S4	80,91 oct;100 oct,JP-1 for Army.
John H. Alison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct.Lgts prior req.
(P)Kay Larkin(Palatka)	3 WNW,RR N	56	50h L5 S1	91 oct.
Kerlin (Minneola)	0.5 NE	100	18 S2	80 oct.
Keystone (Keystone Heights)	4.5 NNW,RR W	192	50h	
Kissimmee	2 W,RR N	65	50h	
(N)Lake Butler OLF(N)	2 SSW,RR NW	131	60h L	
Lake City	3.7 ESE,RR S	201	60h	
Lakeland	4.5 SW,RR NE	142	50h	
LAKELAND MUN. NO. 1	2.1 N,lake E	159	35h L5 S6	80, 91 oct.Ctc lgts on req till 2400
Lake Wales	2.3 WSW,RR N	225	40h L3 S6	80, 91 oct.
(N)Lee OLF (Green Cove Springs)(N)	2.2 SE,riv N	22	51h	INACTIVE.
(A)Leesburg AAF (A)	4 ENE,RR SE	67	60h L3	CLOSED.
Ludwig Sky Harbor (St.Petersburg)	6 NE,bay E	14	33 L1 S6	80 oct.
(A)MacDill (Tampa)(A)	8 SSW,bay NE	9	100h R2 L5 S6	73-100 oct. JP-1.No sto.
Malabar	7 WNW	27	40h	
(CG)Mayport CGAS(CG)	0.6 NNE,riv N	19	43h R1	INACTIVE.
Melbourne	2.2 NW,RR E	26	43h R1	
(N)Middleburg OLF (N)	3 NNE,rds E, SE	34	32	
Montbrook(Williston)	3.2 SSW,hwy E	70	70h	
New Smyrna	3 NNW,RR W	12	50h	
(A)Orlando AAB(Arpt)	2.5 E,lake SE	115	55h R2 L5 S6	91; 100 oct.for military. No sto.
Osceola(Sanford)	10 SSE,lake SE	25	40h	
PETER O.KNIGHT (Tampa)	3.7 S,bay S,E, W	8	40h R1 L5 S6	91,80 oct Shipyard NE
(A)Pinecastle AAF(A)	3 ESE,lake NW	95	100h	INACTIVE.
PINELLAS CO. MASTER	9.5 N,bay N	12	50h R1 L5 S6	80,91 oct.No sto. (St.Petersburg)
Piper-Fuller (St. Petersburg)(NC)	4.8 WNW,RR E	21	32	
Plant City	3 E,hwy N	172	53	
Robinson(Plant City)	1.5 WSW,RR E	110	18 S1	80,91 oct.Pole line ESE
Roseland(Sebastian)	1.7 W,riv N,E	23	40h	
Ryan (Apopka)	1 N,lake NW	104	28 S6	80 oct.
St.Augustine	4 NNW,hwy W	10	42h S1	80, 91 oct.
Sanford	2.5 SE,lake N,S	57	60h S6	80,91 oct.
Sawyer (Palatka)	2.6 S,RR SE	60	25	Trees N,E,S. (NC)
Sebring	4 SW,lake NE	200	20 S1	80 oct.Pwr line SW.
Skyland(Lakeland)	1.9 WNW,RR S	170	23 S6	80 oct.No sto.Trees S.
Skyport (Dunedin)	1.5 N,RR E	4	26 S6	80 oct.No sto.Pole line NE
Spruce Creek(Deland)	16 ENE	25	40h	3.5 mi N Samsula
Stengel(Gainesv'l)	4 WSW,RR SE	70	38 S6	80 oct.Trees sur fld.
(N)Switzerland OLF (N)	1.5 SE	31	40h	
(P)Taylor (Ocala)	1 SW,RR NE	72	40h L3 S6	80,91 oct.Lgts and ngt repairs prior req.
(P)Titusville-Cocoa (Titusville)	6 S,riv E	35	50h S6	80 oct. No sto.
★ Titusville Int,20, MM-AG	1.3 NW,RR E	28	28 L3	
Tomoka (Daytona Beach)	7.8 NW	29	40h	
Valkaria (Melbourne)	8 SSE,RR E	26	40h	
VERO BEACH	1 NW,RR E	24	65h R1	
Wauchula (NC)	2.1 E,riv W	120	21	Trees N, E, NE.
(N)Whitehouse OLF (Jacksonville)(N)	13 W,RR S	102	40h L	B-2 lgts.
Wimauma (NC)	0.8 ESE,RR W	35	36	Cattle on fld.Bldg W.
Zephyrhills	1.5 ESE,RR W	92	50h	
Williams (Jacksonville)	3.3 WNW,RR E	25	31 S6	80 oct.No sto.Pole line E.Info unver.
Witt (Lake City)	2 WSW;hwy S	200	36 S4	80 oct. No sto.
Showalter Arpk (Winter Park)	2 E; RR S		25 S4	80 oct.No sto.Data unver

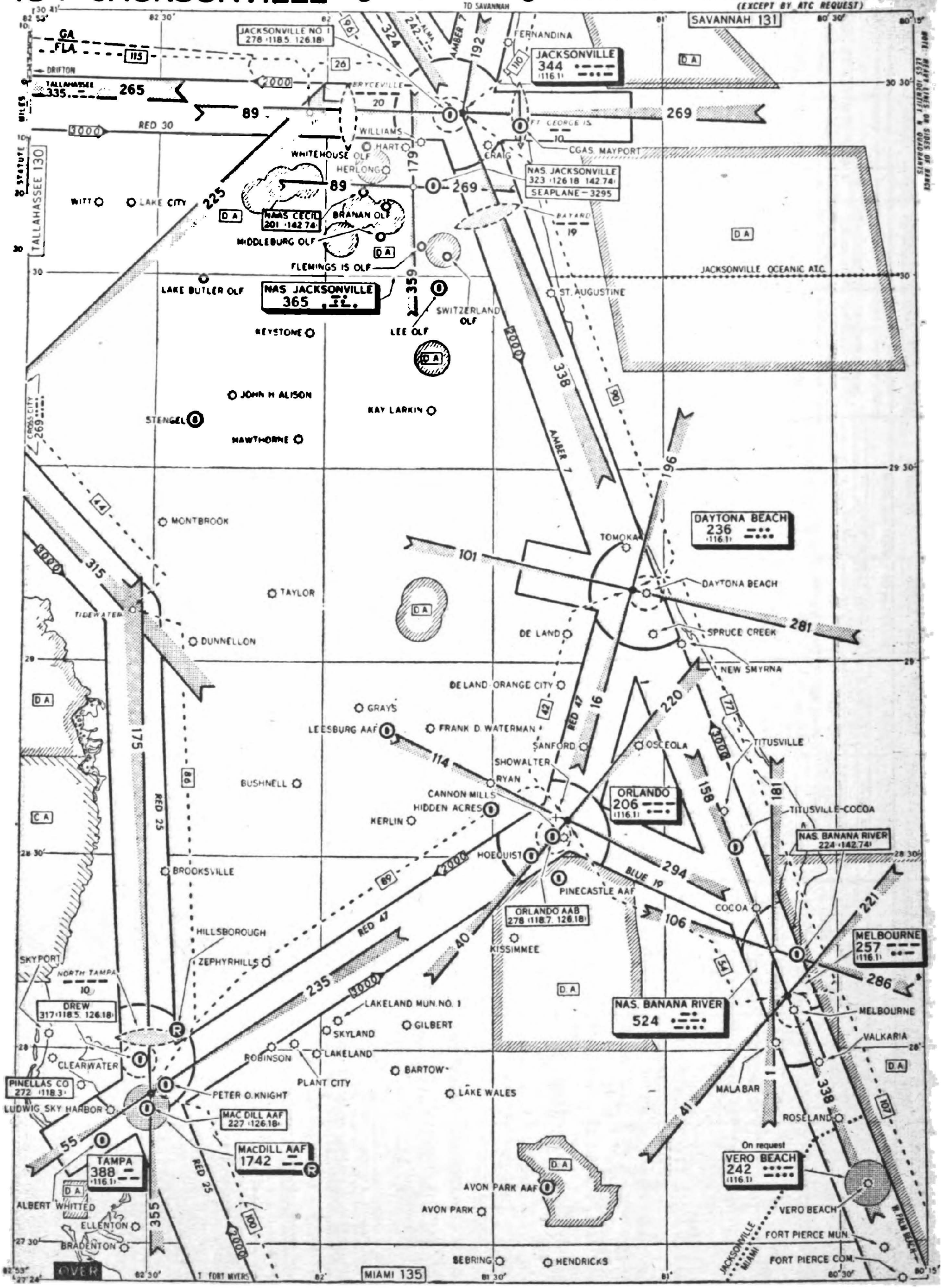
a-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted.

→ NEW OR REVISED DATA

134 JACKSONVILLE

Ⓡ EXTREMELY HAZARDOUS Ⓓ USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)



MIAMI 135

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS

Ⓓ USABLE WITH CAUTION

NOTE: MAGNETIC LINES OR LINES OF COURSE LESS VARIATION "E" HEADINGS.

JACKSONVILLE 134

SARASOTA-BRADENTON
SARASOTA COM.
VENICE MUN.
VENICE
CARLSTROM
PUNTA GORDA
PAGE
FORT MYERS 341 (116.1)
BUCKINGHAM
IMMOKALEE
IMMOKALEE
NAPLES
CONNERS
RIDDLE Ⓡ
CLEWISTON
BELLE GLADE
JACKSONVILLE MIAMI
TAMPA
MELBOURNE
WITHAM
STATUTE MILES
AMBER 7
RED 25
WEST PALM BEACH 209 (116.1)
MORRISON AAF 278 kc 118.9 126.18 mc
BELVEDERE
LAKE WORTH
PALM BEACH CO. PARK
BOCA RATON AAF 396 kc 126.18 mc
NO POMPANO OLF
W PROSPECT
FT. LAUDERDALE
FORMAN OLF
NAS. FORT LAUDERDALE
MIAMI BAY SHORE
HOMESTEAD MUN.
SO. DADE CO.
MARATHON
STOCK ISLAND
MEACHAM
KEY WEST 332 (116.1)
NAS. KEY WEST 396 kc 142.74 mc

MIAMI AREA

TO WEST PALM BEACH
NO PERRY OLF
MACARTHUR
NAS. MIAMI
MASTER OLF 382 kc 142.74 mc
MIAMI OLF
TO FORT MYERS
RED 25
MIAMI 365 (116.1)
MIAMI AVIATION CENTER
SUNNY SOUTH
TAMIAMI
MIAMI INTERNATIONAL-AAF 278 kc 118.5 126.18 mc
BROWN
CHAPMAN
NAS. RICHMOND
TO KEY WEST
SCALE OF MILES

RADIO — FLORIDA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOCA RATON AAF	396 (126.18)	CA	(3), 126.18 (6-24)
FORT LAUDERDALE FM	(-)	FM, 4°, 24.4	Miami
FORT MYERS (Page)	341 (FM)(116.1)	SBRAZ-VDT,38°,3.6	(4), 116.1
KEY WEST	332 (KW)(116.1)	SBRAZ-VDT	(4), 116.1
Key West NAS	396 (142.74)	CN, 70°, 5.8	(3);142.74 (sunrise to sunset)
Key West NAS (Seaplane) (NC)	272 (142.74)	CN	3105,142.74 (prior req.)
→ MASTER OLF (Miami)	382 (142.74)	CN	(3); 142.74 (7-sunset)
MIAMI BAY SHORE FM	(- -)	FM, 90°, 6	Miami
MIAMI	365(MM)116.1)	SBRAZ-VDT	(3)116.1
Miami International Arpt.	278 (126.18) (118.5)	AC, 270°, 2.3	(4), 131.9, 126.18, 118.5
→ Miami NAS			DISCONTINUED
MORRISON FIELD (West Palm Beach)	278 (126.18) (118.9) +	C	(4); 118.9, 131.9,126.18
STOCK ISLAND LFM	(-)	LFM, 70°, 4	Key West
WEST PALM BEACH (Morrison Field)	209 (DWZ) (116.1)	BMRAZ-VDT,89°,2.4	(3), 116.1

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116 1, 137 88, 140.58 mcs.

AIRPORTS — FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Arcadia	2 SE,hwy W	60	30	Trees around fld.
Belle Glade	1 NNE,lake W	17	27 S6	73 oct. No sto. Light acft.
(A) Boca Raton AAF (A)	2 NNW,canal E	13	64h R1 L5 S6	73, 91, 100 oct. Twr SE.
Brown (Miami)	10 SSW,RR NW	10	20 S6	80, 91 oct. No sto. Trees E.
→ Buckingham (Ft.Myers)	10 E,riv SW	25	54h	
Carlstrom (Arcadia)	7 SSE,hwy N	56	53	
Chapman (Miami)	10 SW,RR W	3	40 S6	80,91 oct. No sto. Pwr line W.
Clewiston	1.6 SW,RR N	19	30 S6	80 oct. Pole line N, E, S, W.
Conners (Okeechobee)	2.5 NW, RR S	34	50h	
Derr (Arcadia)	11.5 E,hwy N	74	53	
(N) Formin OLF (Ft. Lauderdale) (N)	6.5 WSW	7	32h	INACTIVE.
(N) Fort Lauderdale NAS (N)	3.5 SSW,RRW	10	50h	INACTIVE.
		9		
Homestead, mun.	2 NE, rd N	8	28 S6	80 oct.
Immokalee Airfield	1.3 ENE,RR W	20	50h	
★ Immokalee Int, 13, TM-MM	5.25 SE,RR SW	23	38 L2	
(N) Key West NAS (N)	7 ENE	5	70h R2 L5 S4	91, 100 oct. No sto.
Lake Worth	2 W,hwy N	12	28 S1	80 oct.
MacArthur (Hollywood)	1 SW,RR E	12	28h S4	80, 91 oct. No sto. Trees SE.
Marathon	1.8 ENE,hwy S	6	100h	
(N) Master OLF (Miami)(N)	8 NNW,RR W	9	74h R1 L5	Pwr line SE.
MEACHAM (Key West)	2.3 E,ocean S	4	40h S1	80,91 oct. ARPT OF ENTRY.
Miami Aviation Center (Miami)	7.5 NNE,bay E	8	25h S6	80, 91 oct. No sto.
(A) MIAMI INTERNATIONAL - AAF	5.5 NW,RR S	9	74h R2 L5 S6	91, 100 oct. JP-1. FEE. 2-way radio on req. AIRPORT OF ENTRY.
(N) Miami NAS (N)	10.7 NW,canal N	9	60h L5 S6	91, 100 oct. No sto.
(N) Miami OLF (N)	7.9 NNW,RR E	91	36h	
(A) MORRISON (West Palm Beach) (A)	2 W,canal S	15	70h R2 L5 S5	73-100 oct. FOREIGN CLEARING STATION.
Naples	2 NE,RRs E,W	8	50h	
(N) North Perry OLF (Hollywood) (N)	6.3 W	9	32h	C-L-O-S-E-D.
(N) North Pompano OLF (N)	1.5 NE,RR W	21	40h	(Pompano)
PAGE (Ft. Myers)	4 S,RR SE	18	51h R1 L5 S6	80, 91 oct. Ground traffic
→ Palm Beach County Park (Lantana)	2 WNW,lake N,E	16	35h L5 S6	91 oct. Fld lgts on prior req after 2300.
(P) Punta Gorda	5 ESE,hwy SW	22	50h	
Punta Gorda, mun.(NC)	3 SSE,hwy E	4	24	
(N) Richmond NAS (LTA)	15 SW Miami	13	20h	INACTIVE. (N)
(P) Riddle (Clewiston)	7.6 W,hwy N	19	30h	Use rnwys only.
SARASOTA-BRADENTON (Sarasota)	3.5 NNW,hwy W	24	50h L5 S6	80, 91 oct.
Sarasota, com.	2.5 E,RR S	25	28 S1	80 oct.
Sunny South (Miami)	6 N,hwy N	12	27	
Tamiami (Miami)	12 W		35h S4	80, 91 oct. No sto. Data not verified.
Venice	2 S,RR E	15	50h	Pole lines N, E.
Venice, mun.	0.5 SE,RR E	20	36 S2	80 oct.
West Prospect (Oakland Park)	2.5 WNW	14	40h	Trees sur field.
(P) Witham (Stuart)	1.5 SE,RR SW	17	50h S1	
So.Dade Co.(Homestead)	5 E	8	60h L5 S6	87 91 oct. No sto.
Belvedere (West Palm Beach)	2 SW	17	25 S5	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

DENVER–LOS ANGELES

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Terminal)	248(BU)(116.1)	SBMRLZ-VDT; 93°, 3	(3);116.1
BURBANK LFM	(- -)	LFM 97°, 1.5	Burbank
CHATSWORTH	341 (L)	FMK;277°, 10.6	Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMK; 77°, 11	Los Angeles
EL TORO MCAS	3295(142.74)	CN	3105,4495;126.18,142.74
GLENDALE	371 (S)	K; 97°, 7.3	Burbank
GRAND CENTRAL ARPT (Glendale)	201	CI	(4);131.9, (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CA	(3);126.18 (730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
LOCKHEED AIR TERMINAL (Burbank)	278 (126.18) (118.3)	AC	(4);131.9,126.18,118.3
LONG BEACH	233(HB)(116.1)	SBMRLZ-VDT	(3);116.1
Long Beach Airport	347 (126.18) (118.5)	AC; 298°, 3.9	(4);131.9,118.5,126.18
LOS ALAMITOS NAAS	317 (142.74)	CN	3105;142.74 (8-1730)
LOS ANGELES	260 (LA)(116.1)	SBRAZ-VDTX	(3);116.1
Los Angeles Airport	272 (126.1)(118.9)	C (ILS);244°,3.8	(4);126.18.118.9,131.9
NEWHALL (Int)	209(NH)(116.1)	SBMRL-VDT;317°,0.1	(4);116.1
ONTARIO ARPT	219(126.18)	CI	(4): 126.18, 116.1
SANTA ANA (Navy)	372(TA)(116.1)	BMRLZ	3105;142.74 (13-5)
Santa Ana NAS	6970(142.74)	CN;2500,0.6	3105,3195;142.74 (flying hrs & req)
SANTA MONICA AIRPORT	272 (126.18)	CI	(3);126.18 (8-18)
TERMINAL ISLAND NAS (San Pedro)	338 (142.74)	CN	(3);142.74 (flying hrs)
VAN NUYS METROPOLITAN ARPT	219(126.18)	CI	(4),126.18 (8-1530 Mon-Fri, except holidays)
LOS ANGELES	109.1(LA)	VARN	
CASTAIC FM	(- - - -)	FM, 322°, 41	Los Angeles
[redacted]			
AURORA LFM	(- - -)	LFM, 155°, 9.5	Denver
DENVER (Stapleton Airfield)	379 (DV) (111.1)	SBMRAZ-VDTX;155° 2.4	(3); 131.7
DENVER (9 mi ENE Stapleton)	109.1 (DV) 111.1	MAR-VDT	(3);131.7
HENDERSON FM	(-)	FM, 348°, 8.6	Denver
LOWRY FIELD (Denver)	396 (126.18)+	CA	(3);126.18
SKY RANCH ARPT (Denver)	296	CI	(3) (sunrise to sunset)
STAPLETON AIRFLD(Denver)	278 (126.18) (118.7)	AC (ILS)	(4);131.9,126.18
WATKINS FM	(- -)	FM, 59°, 14.8	Denver

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
STAPLETON, COLORADO	110.3	335	206° Mag.	IM	MM .....(.64)	OM --(4.2)	
					MKR	OMK	
LOS ANGELES, CALIFORNIA	109.9	333.8	247° Mag.	IM (.05)	MM	OM (2.45)	
					MKR	OMK	

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105. 4495. 6210 kcs.
(4)-3105. 4495. 6210. 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116 1. 137.88 140.58 mcs.

AIRPORTS — CALIFORNIA

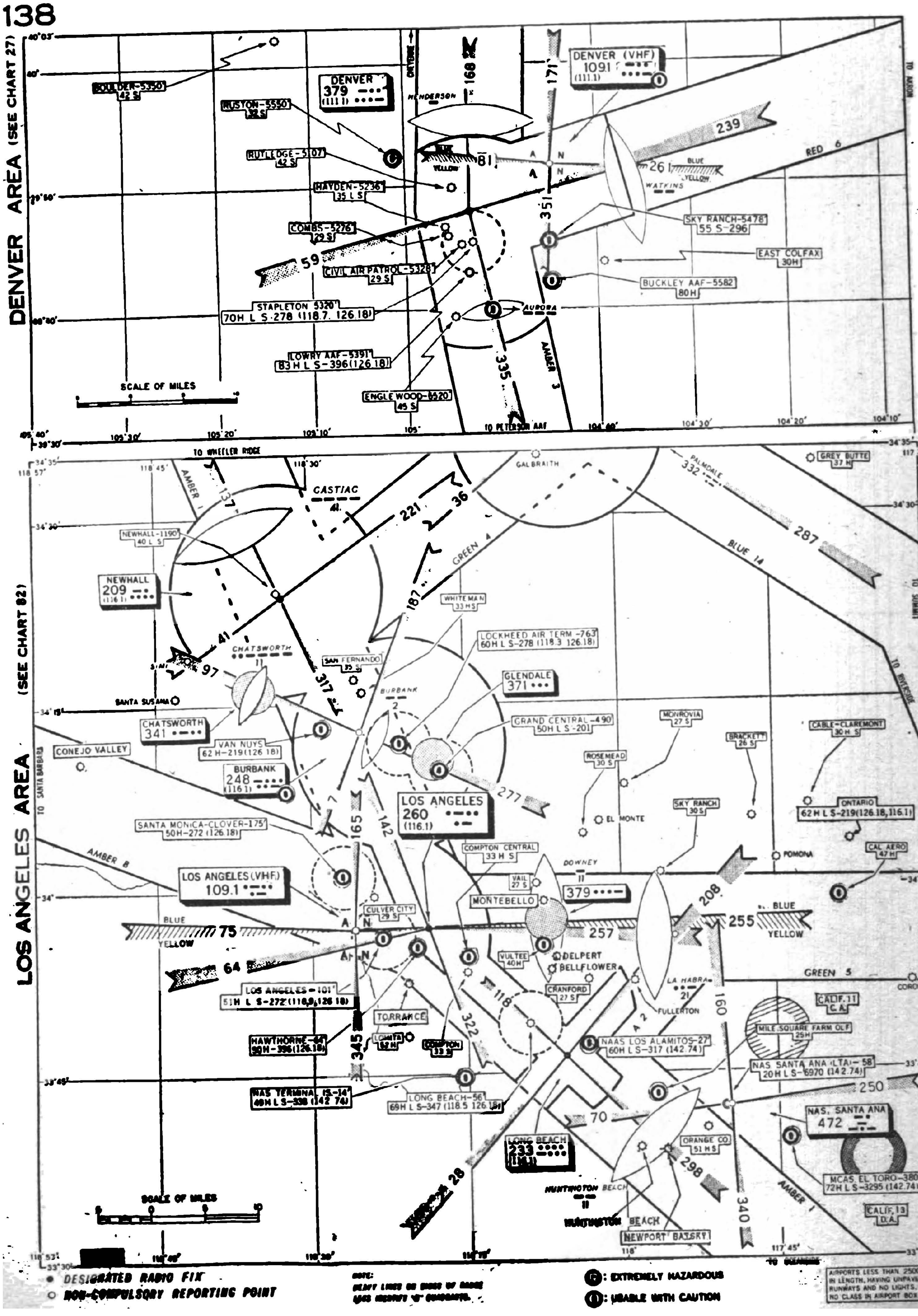
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;riv E	80	21 S4	80 oct.No sto.
Brackett (Pomona)	3 NW;hwys S,E	1010	26 S6	80 oct. Fence W.
Cable-Claremont	1.8 ENE;RR E	1400	30h S4	80,91 oct.
Cal Aero (Ontario)	5 SSE;hwy W	625	47h	Rest'd to D.P.C.
Compton	1.5SW;hwyE,W,N	90	33 S6	80 oct. Poles E. N.
Compton Central(Compton)	2 NW;RR W	100	33h L S6	80,91 oct. Rdo & instr rprs.Rnwy. data unver.
Corona	2.3 ESE; RR N	645	22 S6	80,91oct.P-lines E,SE,W, NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City(Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.
El Monte	1 NNE;rd E	300	21 S6	80 oct. Trees SW. Bldgs NE
(N) EL Toro MCAS (N)	3.7 NW;RR SW	380	72h R1 L5 S4	73,87,91,100 oct.
Fullerton	3 W;RR N	95	18 L1 S6	80 oct, Port rnwy lgts.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73,80 oct.
Gardena Valley (Gardena)	2 NW; RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW;bet RR and river	490	50h R1 L5 S6	73,83,91,100 oct.
Grey Butte (Victorville)	22 W	3050	37h	Mts. S.
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
Hughes (Culver City)(NC)	3.6 SSW;RR N	15	91	Pole line NE. RESTRICTED.
LOCKHEED AIR TERMINAL (Burbank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91,100 oct. No sto. Two-way radio required.
Lomita Landing Strip	1 W;hwy S	95	52h	Mts. S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	80,91,100 oct. JP-1. No sto.
(N) Los Alamitos NAAS (N)	1 SE;riv W	27	60h R1 L5 S4	73,91,100 oct.
(A)(N) Los Angeles(MinesFld)	9.5 SW;RR E	101	51h R3 L6 S6	91,100 oct.Rdo req.
(N) Mile Sq.Parm OLP (Santa Ana) (N)	3.5 SE;riv E	44	25h L	Pwr lines S
Monrovia	0.5 SE;RR S	500	27 S6	80,91 oct.
★ Newhall Int.3A,LA-SP	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Norco	2.5 N;RR S	590	14 S1	80 oct.
Ontario	2.5 E;bet RRs	952	62h R1 L5 S4	80,91,100 oct.
Orange Co. (Santa Ana)	5 S;at fork rds	45	51h S6	80-100 oct.
(N) Palisades OLP (N)(NC)	2 E Costa Mesa	107	25	Bay N.W.
Pomona	1.8 SSE;riv S	775	20 S6	80 oct.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. No sto.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct. Poles SW.
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	58	20h R2 L5 S4	91,100 oct. No sto.
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No hcn.Lgts prior req.
Santa Susana	0.5 S;RR N	955	19 S6	73 oct.No sto. Pwr line W.
Sky Ranch (Puente)	1.3 E;RR S	402	30 S4	80 oct. No sto.
(N) Terminal Is. NAS (San Pedro) (N)	2 ENE	14	49h R1 L6 S1	91,100 oct. NAPC.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct.Port rnwy lgts.Radio repairs.
(A) Van Nuys Metropolitan (A)	2.8 NW;RR N	800	62h R1	INACTIVE.
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW. RESTRICTED.
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct. Pole line NNW,NE,SW.
Conejo Valley(Camarillo)	0.5 ESE;RR W	750	25 S6	80,91 oct.No sto,Pole lines NE.
Delpert Apk(Norwalk)	1.5 W;hwy N	90	21 S6	80 oct.No sto.Pole
Montebello [Angeles)	2 SSW;RR S	180	34 S6	80,91 oct.
Torrance Community (Los	1.5 SSW;hwy W	82	21h S6	80 oct.No sto.Poles W;pwr line E.
(N) Haster Farm OLP(N)	2 SW	65	14h	(Garden Grove) (NC)

COLORADO

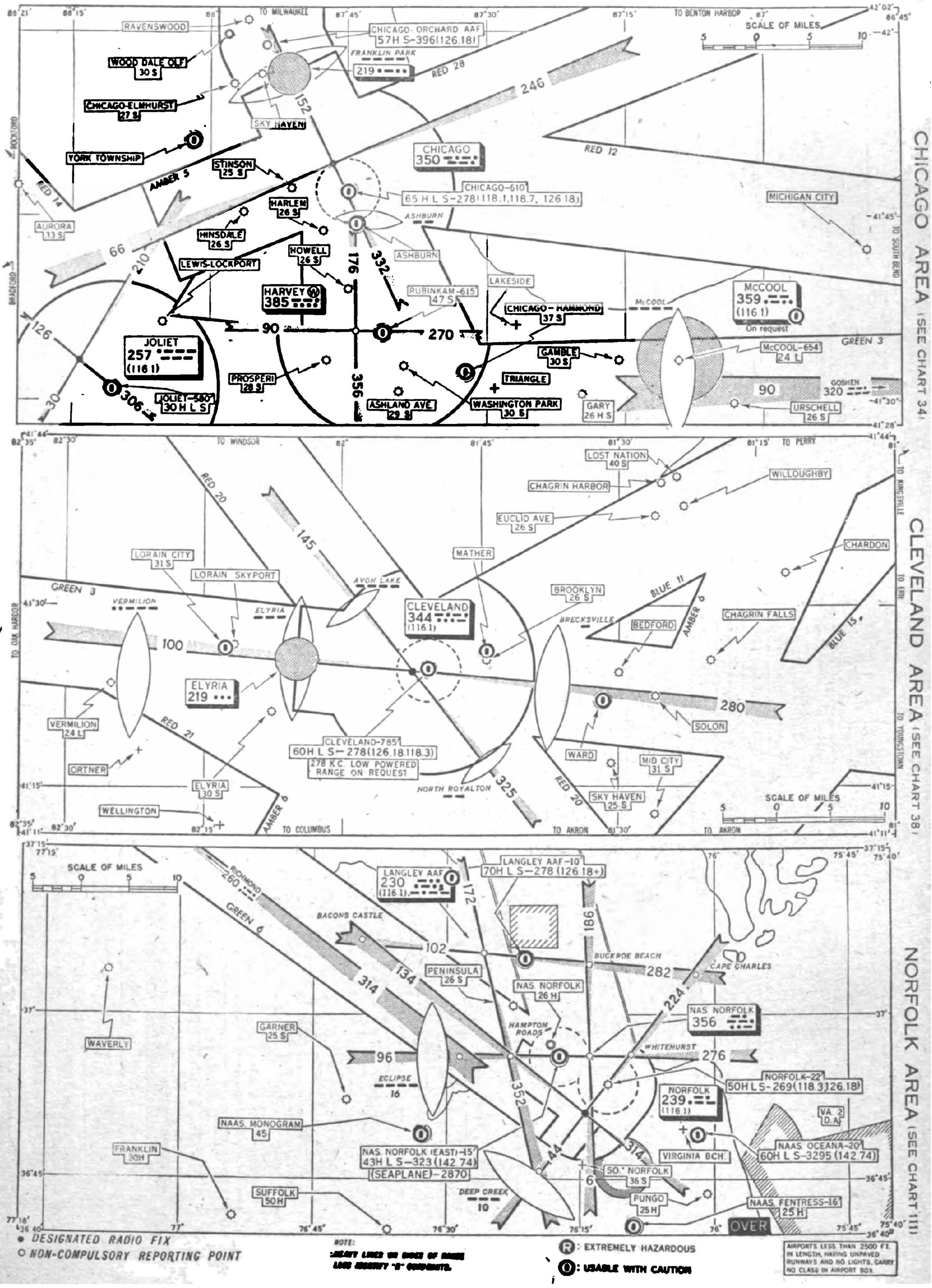
(P) Boulder	3 ENE;RR NW,S	5350	42 S5	80,91 oct. Bldg. N
(A) Buckley (Denver)(A)	12.5 ESE	5582	80h	INACTIVE.
Civil Air Patrol (Denver)	3.9 E	5328	29 L S6	80 oct. Flood lgts.
Combs (Denver)	3 NE;RR N	5276	29 S6	80,91 oct. Pole line N. S.
East Colfax (Watkins)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N. NW.
Englewood	6.8 SSE;hwy S	5520	45 S6	80,91 oct. No sto.
(A) Lowry (Denver) (A)	5.3 ESE	5391	83h R1 L5 S6	91,100 oct. JP-1.
Ruston (Denver)	10 NNW;hwy W	5550	32 S1	80,91 oct. Pole line N.SW.
Rutledge (Dupont)	1 S;bet RR;hwy	5107	42 S6	80 oct. Pole lines sur fld.
Sky Ranch (Denver)	12.6 E;RR S	5478	65 R1 S6	73,80,91 oct.
STAPLETON (Denver)	5 ENE;RR N	5320	70h R3 L6 S6	80,91,100 oct
Veat Acft. Co. (Denver)	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.
(N) Horse Farm OLP (N)	2 E	54	17h	(Los Alamitos, Calif.) (NC)
Huntington Beach(Calif.)	1.8 SE; hwy NW	4	19 S1	80 oct.
Newport Bay Sky Harbor (Costa Mesa,Calif.)	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page 1111) (NC)-Not charted. → NEW OR REVISED DATA

DENVER AREA (SEE CHART 27)



LOS ANGELES AREA (SEE CHART 82)


CHICAGO AREA (SEE CHART 341)
CLEVELAND AREA (SEE CHART 381)
NORFOLK AREA (SEE CHART 111)
RAVENSWOOD
WOOD DALE OLF 30 S
CHICAGO-ELMHURST 27 S
YORK TOWNSHIP
STINSON 29 S
HARLEM 26 S
HINSDALE 26 S
HOWELL 26 S
LEWIS-LOCKPORT
HARVEY 385
JOLIET 257 (116.1)
JOLIET-580 30 H L S
PROSPERI 28 S
CHICAGO-ORCHARD AAF 57H S-396(126.18)
FRANKLIN PARK 219
SKY HAVEN
CHICAGO 350
CHICAGO-610 65 H L S-278(118.1,118.7, 126.18)
ASHBURN
RUBINKAM-615 47 S
LAKESIDE
CHICAGO-HAMMOND 37 S
McCOOL 359 (116.1) On request
McCOOL-654 24 L
GAMBLE 30 S
TRIANGLE
WASHINGTON PARK 30 S
ASHLAND AVE 29 S
GARY 26 H S
URSCHELL 26 S
GOSHEN 320
MICHIGAN CITY
AURORA 33 S
LOST NATION 40 S
WILLOUGHBY
CHAGRIN HARBOR
EUCLID AVE 26 S
CHARDON
LORAIN CITY 31 S
LORAIN SKYPORT
MATHER
BROOKLYN 26 S
CHAGRIN FALLS
CLEVELAND 344 (116.1)
AVON LAKE
VERMILION
ELYRIA
BEDFORD
BRECKSVILLE
ELYRIA 219
VERMILION 24 L
ORTNER
ELYRIA 30 S
WELLINGTON
CLEVELAND-785 60H L S-278(126.18,118.3) 278 K.C. LOW POWERED RANGE ON REQUEST
NORTH ROYALTON
WARD
MID CITY 31 S
SKY HAVEN 25 S
SOLON
LANGLEY AAF 230 (116.1)
LANGLEY AAF-10 70H L S-278 (126.18+)
BACONS CASTLE
PENINSULA 26 S
NAS. NORFOLK 26 H
BUCKROE BEACH
CAPE CHARLES
NAS NORFOLK 356
HAMPTON ROADS
WHITEHURST
NORFOLK-22 50H L S-269(118.3,126.18)
NORFOLK 239 (116.1)
VA 2 D.A.
WAVERLY
GARNER 25 S
ECLIPSE 16
NAAS MONOGRAM 45
NAS. NORFOLK (EAST)-15 43H L S-323(142.74) (SEAPLANE)-2870
NAAS OCEANA-20 60H L S-3295 (142.74)
VIRGINIA BCH.
SO. NORFOLK 36 S
PUNGO 25 H
NAAS FENTRESS-16 25 H
FRANKLIN 30H
SUFFOLK 50H
DEEP CREEK 10
SCALE OF MILES
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX
OVER

CHICAGO–CLEVELAND–NORFOLK

RADIO

ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASHBURN LFM	(- -)	LFM,152°, 6.25	Chicago
CHICAGO	350(CG)(116.1)	SBRAZ-VDTX	(3);116.1
Chicago Airport	278(126.18, 114.7,118.1)	AC (ILS);152°,2.2	(4);131.9,126.18,118.7,118.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
FRANKLIN PARK	219 (L)	FMK; 332°, 9.5	Chicago
HARVEY (Rubinkam)	385 (GH)	MLWZ; 90°, 2.2	
JOLIET	257(JO)(116.1)	SBRAZ-VDT: 126°,3.7	(4); 116.1
CHICAGO-ORCHARD(Chicago)	396(126.18)	C	(4);126.18

INDIANA

MCCOOL (Int)	359(ML) (116.1)	MAVT	(4); 116.1
MCCOOL FM	(- - - -)	FM, 270°, 67	Goshen

OHIO

AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BEDFORD FM	(-)	FM, 201°, 10.3	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDTX	(3);116.1
Cleveland Airport	278 (126.18) (118.3)	AC (ILS);100°,0.7	(4); 118.3, 126.18 ,131.9
ELYRIA FM	(- - -)	FM, 280°, 10.9	Cleveland
ELYRIA	219 (E)	FMK, 280°, 10.9	Cleveland
NORTH ROYALTON LFM	(- -)	LFM, 145°, 10.8	Cleveland
VERMILION FM	(. - - - -)	FM, 260°, 26	Cleveland

VIRGINIA

DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
NORFOLK FM	(- - - -)	FM, 276°, 16	Norfolk NAS East Field
LANGLEY FIELD (Army)	230(HLY) (116.1)	SBMRAPZ-VDT	(3); 116.1
Langley Field	278 (126.18) (116.1)+	CA; 102°, 3.5	(4); 126.18 only
NORFOLK	239(NW)(116.1)	SBMRIZ-VDT	(4);116.1
Norfolk Airport	269 (126.18) (118.3)	AC; 140°, 3.6	(4);131.9,126.18,118.3
Norfolk (Navy)	356 (NOU)	MGWLZ	
Norfolk NAS(East Fld)	323 (142.74)	CM; 276°, 2.9	(4); 142.74
Norfolk NAS(Seaplane)	2670	CM	2670 (7-17 & on req)
OCEANA NAAS	3295(142.74)	CM	3105,4495;142.74(745-1830)(OCA)

INSTRUMENT LAND NG SYSTEMS *(Localizer and G.P. on mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
CHICAGO, ILL.	109.9		132° Mag.	IM ·····(.04)	MM	OM	--(1.89)
					MMK 201 ···(.71)	OMK	
CLEVELAND, OHIO	109.9		54° Mag.	IM ·····(.06)	MM	OM	--(4.75)
					MMK	OMK	

S-Simul Range and Voice; W Without Voice, Z-VHF Range Station Location Marker. (3) 3105 4495, 6210 kcs. (4) 3105, 6495, 8210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice 4 - Army A.C.S transmits on and guards 116.1 137.88, 140.58 mcs

AIRPORTS

ILLINOIS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Ashburn (Chicago)	12 SW;hwy W	620	16 S4	73,80 oct.Unsafe after rain.
Ashland Ave(Chicago Hgts)	1.5 NW;hwy S	675	29 S6	80,91 oct.Obsts sur fld.
(P) Aurora	3 NNW	701	33 S4	80 oct. Twr NE;stack SE.
(N) CHICAGO	9 SW of loop	610	65h R3 L6 S6	73,80,91 oct. FKE.
Chicago-Elmhurst(Elmhurst)	2.5 N;hwy SW	707	27 S6	80,91 oct.Poles S,E.
(A) Chicago-Orchard	16 NW;RR W	657	57h R1 L5 S6	73,91,100 oct. JP-1
(P) Chicago-Hammond(Lansing)	1.5 S;RR N	660	37 L1 S6	73,80oct.Obsts sur. fld.
Harlem (Oaklawn)	2.2 WNW;hwy W	619	26 S6	80 oct.Pole line E.
Hinsdale	3 S;hwy SE	710	26 S6	73,80 oct. Rolling ground.
Howell (Blue Island)	3 W; hwy E	600	26 S4	80 oct. Obsts sur fld after 2400.
Joliet,22,LS-CG	5 W;riv W	580	30h R1 L4 S4	80, 91 oct.Flood lgts prior req

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) (NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Lewis-Lockport(Lockport)	2.2 WNW;hwy E	664	26 S6	80,91 oct. Twr SE.Obsts sur fld.
Prosperi (Tinley Park)	1.7 SSW;hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW;hwy E	650	18 S6	80 oct. No sto.
(P) Rubinkam (Harvey)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W part only.
St. Charles (NC)	3.5 E;RR E,S	760	18h	Pole line N.
Sky Haven(Bensenville)	1.5SE;bet RR,rd	650	23 S4	80,91 oct.Use strips only.
Stinson (La Grange)	2 SE;hwy SE	644	25 S6	80,91 oct.Pole line S,W.
(P) Washington Park(Homewood)	1.5 SE;hwy E	625	30 S6	80,91 oct.Allway area.
Wood Dale (Glenview)	10.5 SW	711	30 S5	80 oct.
York Township(Lombard)	2 SSW;hwy N	726	20 S6	80 oct.Use strips.Pole line N,E.

INDIANA

Gamble (Hobart)	1.8 NNW;hwy S	650	30 S4	73,80 oct.Obst sur fld.
Gary	6 S;hwy W	610	26h S6	80,91 oct.Trees N,E,S.
★ McCool Int,3,CG-LG	2 SW;hwy S	654	24 R1 L3	
Michigan City	4 E;RR N	650	24 S1	80,91 oct.Pole line E,S,W.
Urschell(Valparaiso)	1.7 NNE;hwy E	766	26 S2	80 oct.Pole line N.

OHIO

Bedford	2 NE;hwy W	1060	17 S2	73 oct.
Brooklyn (Cleveland)	5.5 SW;RR S	780	26 S2	73 oct.
Chagrin Falls	3 E;hwy SW	1220	23 S4	80 oct. Pole line N.
Chagrin Harb.(Willoughby)	2.5 NNW	620	22 S6	80 oct. Pole line W.
Chardon	2.8 S	1230	22 S1	80 oct. Pole lines sur fld.
(A) CLEVELAND	8.5 SW;riv W	785	60h R3 L6 S6	73,80,91,100oct.JP-1.FEE. ARPT
Elyria	1.6 SSW;RR NW	745	30 S2	80 oct. Poles SE. OF ENTRY
→ Euclid Ave.(Willoughby)	1.5 WSW;RR N	640	26 S6	80,91 oct.P-line S hi-line N.
Lorain City (Lorain)	2.1 SW;RR N	610	31 S1	80 oct.Pole line NE,SE.
Lorain Skyport(Lorain)	2.8 W;lake NW	610	30 S1	80 oct.Pole line S,SE.Rnwy data unver.
→ Lost Nation (Willoughby)	3 N;lake NW	626	40 S6	80,91 oct.Obsts sur fld.
→ Mather (Cleveland)	5 SW;RR S	760	19 S2	80 oct. Rnwy data unver.
Mid City (Hudson)	2 S;RR S	1080	31 S4	80 oct.Poles W,NW.
Ortner (Wakeman)	4 NNE;RR S		26 S1	73 oct.Data not verified.
Sky Haven (Northfield)	2.5 SSE;RR NE	1040	25 S4	73,80oct.No sto.Pwr line W,S.
Solon	1.1 SSE;RR NE	1034	24 S6	73,80 oct.Pole line SE,W.
★ Vermilion Int, 28,CG-LG	3.7 SW;RR SE	610	24 L3	
→ Ward (Bedford)	1.5 S;RR E	980	20 S6	80 oct.
Willoughby	1.2 E;RR NW	700	22 S6	80 oct. Pole line sur fld.

VIRGINIA

(N) Fentress NAAS (N)	2.5 ESE;hwy N	16	25h	C-L-O-S-E-D
(P) Franklin	1.7 NE	38	30h	
Garner's (Windsor)	4.8 NNE;hwy W	80	25 S2	80 oct.
Glen Rock (Norfolk)(NC)	4.5 E;RR S	18	24	Twrs,pole line SW.
(A) Langley Field (A)	3 N Hampton	10	70h R2 L5 S6	73,91,100 oct.JP-1
(N) Monogram NAAS (Drivers)	2.8 W;riv W	21	45	INACTIVE. (N)
NORFOLK	5 ENE;RR SE	22	50h R2 L5 S4	80,91 oct.
(N) " NAS (Chambers)(N)	7 N;rd N	13	26h	CLOSED. Use East Field.
(N) " NAS (East Field)(N)	6 N;RR SW	15	43h R2 L5 S6	91,100 oct.NATS,NAFC.
(N) Oceana NAAS (N)	1 SW;RR N	20	60h R1 L5 S4	91,100 oct.No hcm.
Peninsula(Hampton)	2 WSW;RR N	12	26 S4	80 oct.
Pungo	0.8 NE	15	25h	
South Norfolk (Norfolk)	6 SSE		36 S4	Fuel.No sto.Data unverified.
(P) Suffolk	3.8 SSW;RR E	66	50h	
Waverly	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush sur fld.
Virginia Beach Va.	4.5W;RR,hwy N	15	42 S4	80,91 oct.Pole line N.Data unver.
Lakeside (Gary) Ind.	7.5 W		35 S4	73,80 oct. Unverified.
Triangle (Dyer) Ind.	2 NE		27	Unverified.

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS. OF OPER., REMARKS
JERSEYVILLE FM	(-)	FM, 355°,21	St. Louis, Mo.
SCOPT(Belleville) (Army)	263 (DCD)	SBMRAPZ-DT	(4)
Scott Field	398 +	CA; 49, 1.8	(4)
[redacted]			
LAMBERT-ST. LOUIS ARPT. (St. Louis)	278 (126.18, 142.74)	AC (ILS)	(4); 131.9,126.18,142.74
ST. LOUIS (Lambert -St. Louis Arpt.)	209 (LS)	SBRAZ-DTX,258° 2.2	(3)
ST. PETERS FM	(- - - -)	FM, 273°,14.2	St. Louis.
SPANISH LAKE	219 (L)	FMK,89°,7.8	St. Louis.
SPANISH LAKE FM	(- -)	FM, 89°, 7.8	St. Louis.
[redacted]			
PORTLAND	332 (PD)(116.1	SBRAZ-VDT	(3); 116.1
Portland AAB	278 (126.18, 118.3)+	AC; 171°,3.1	(4); 142.74,131.8,118.3, 126.18
PORTLAND LFM	(- -)	LFM, 76°,1.6	Portland
WILLAMETTE FM	(. . - -)	FM, 76°,20.6	Portland
[redacted]			
ALAMO (San Antonio (San Antonio Arpt)	344 (JR)(116.1)	MLZ-VDT	(3); 116.1
BROOKS FIELD (San Antonio)	396 (126.18)	CA	(3); 126.18
KELLY FIELD (San Antonio)	219 (126.18)+	CA	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMRLZ	(3)
Randolph Field	272 (126.18)	CA;322°,2.04	(3); 126.18
SAN ANTONIO (Kelly Field)	254(2N)(116.1)	SBRAZ-VD,107°, 1.8	(4); 116.1
San Antonio Arpt. (Alamo Field)	278 (116.5)	C (ILS)	(4); 118.5,131.9,126.18
SPRING BRANCH FM	(-)	FM, 354°,21.6	Alamo.
[redacted]			
HOBART FM	(- -)	FM, 88°,15	Seattle
LAKEVIEW FM	(- - -)	FM, 175°,25.5	Seattle
KING CO. AIRPORT (Seattle)	278 (126.18, 118.3)	AC	(4);131.9,140.1,126.18, 118.3
McCHORD (Tacoma) (Army)	272 (DTA)	BMRL	
McChord Field	396 (126.18)+	CA(ILS);260°,1.7	(3); 116.1, 126.18
SEATTLE (King Co. Airport)	260(SA)(116.1)	SBRAZ-VDTX, 296°, 3.3	(3); 116.1
SEATTLE NAS(Navy)	332 (WN)	MH	(4) cont.
Seattle NAS	230 (142.74)	CN	(3);142.74 (8-sunset)
WASHOUGAL FM	(-)	FM, 63°,17.5	Portland,Ore. (GCA)
WOODLAND FM	(- - - -)	FM, 331°, 23	Portland, Ore.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gundlach(Belleville)	1.8 E	514	23	Obsts sur. field.
Lakeside(E.St. Louis)	7 NNE,lake W	420	32 S6	73 oct.
Parks(E.St. Louis)	4.2 SW,RR SE	410	26 L1	25-75 obsts on fld.
Parks Metropolitan (East St. Louis)	3.5 SSW,RR W	420	17h S6	80,91 oct.
(A)Scott (Belleville)(A)	7.5 ENE,RR S	444	55h R3 L5 S6	73,91,100 oct. JP-1.
Wadlow (Alton)	3.5 NNW	600	25 S4	80 oct.
MISSOURI				
Black Walnut (St. Louis)	18 NNW	442	20	
Creve Coeur (St. Louis	14.5 WNW	445	37	Lake E.
Ellisville	0.4 NE,hwy S	750	16 S2	80 oct.
Kratz(St.Charles)	1.1 ESE,RR S	442	30 L S6	80,91 oct. Port rnwy lgts.
(N)LAMBERT-ST. LOUIS (St. Louis)	10.6 NW,hwy N,W	552	60h R3 L6 S6	80-100 oct. Rdo reqrd.
Machens (NC)	1 NNW	450	41	Pole line
Meremec(Valley Pk.)	1.5 ESE,riv N	440	30 L S2	80 oct. Port rnwy lgts. S.
(N)Neubeiser OLF (N)	22 NNW,riv N	438	20h	(St. Louis) Lgt acft only.
Ross (St. Louis)	4.8 NNW,RR SE	430	30 S6	80,91 oct. Poles sur fld.
St.Charles	5.3 NNW,RR N	470	29 S6	80 oct. Poles E,N,NE,SE.
Starling(St. Louis)	14 SSW,RR E	615	28 S4	80,91 oct. Obsts sur fld.
Sylvan Beach (Fenton)	2 NNW	442	42 L S2	80,91 oct. Port rnwy lgts. Pole line N.
Weiss (Kirkwood)	4 SW	430	15 S4	80 oct. Pole line NE,N.
[redacted]				
Aurora Flight Strip	1.6 NNW,hwy W	196	41h	
Barrett-Schuler (Woodburn)	2.6 WNW,RR E	200	29 S1	73 oct. Pwr line NNE.
Bernard(Beaverton)	1.4 NNW,RR S	208	18 S6	80,90 oct.
Canby	0.5 NNW	150	17 S1	80 oct. Pwr line NE,SW
Columbia Co.(Scappoose)	1.2 NE,RR W	55	40h L S6	80 oct. Port rnwy lgts. Pole line N, NW.
Dwyer Landing Field (Portland)	7 SE,RR NW	200	18	Obsts ENE,WSW. Ditch around strip
Green Acres(Mulino)	1.9 SSW,RR W	260	18 S4	73,80 oct. No sto. Obst
Hillsboro	2.4 ENE,RR S	200	41h L5 S6	73,80 oct. No sto. SSE.
(A,N) PORTLAND AAB (A)	5 NNE,riv N	19	55h R2 L5 S6	73,91,100 oct. JP-1. No sto Antenna pole W, lgtd.
Portland Birdsdale	8.5 E,RR N	220	23 S6	80,91 oct.
R.O.K. (Gresham)	2.2 W,RR S	285	26 S5	73 oct. No sto. Pwr line E
Sky Park (Oregon City)	2.7 SE,RR NW	440	27 S6	80 oct. P-line S. ENE.
Sportsman Arpk. (Newberg)	1 E,riv SW, RR N	173	23 S2	Ltd 80 oct. Trees NNE.
Troh's Skyport (Portland)	6 E,riv N	250	28 S6	80,91 oct.
Troutdale	1 NW,RR S	34	46h L5 S6	73,80 oct.
[redacted]				
Bexar Co.(San Antonio)	7.1 SSW,rd W	640	32 S6	80,91 oct. Poles,trees N, NW, W, S.
(A)Brooks (San Antonio)	6.5 SSE,RR W	594	52h R1 L5 S6	73,91,100 oct. (A)
Craigg (Sayers)	1.8 W,hwy, N	650	41 S1	80 oct. RR N.
Davis (San Antonio)	6.7 [illegible],RR SE	780	18 S1	80 oct.
Hurt (San Antonio)	6.5 W,NW.	680	36 S6	80 oct. Hwy W.
(A)Kelly (San Antonio)(A)	6.8 SW,RR NE	676	75h R2 L5 S6	62,73,91,100 oct. JP-1. FOREIGN CLEAR STN
Kuehler(New Braunfels)	1.7 SE,Riv NW	720	18	Pole line NW. Cattle.
Lake (San Antonio)	10 S,RR E	700	23 S2	73 oct.
Leon Valley (San Antonio)	8.6 WNW, hwy E	710	40 S6	80,91 oct. Pwr line N, W, NW.
(A)Martindale(San Antonio) (A)	7.1 E,RR S	660	30h	
Mission(San Antonio)	4.6 S,hwy E	567	23 S6	80 oct. No sto. P-line NNE
(A)Randolph(San Antonio)	15.8 ENE,RR NW	752	70h R2 L5 S6	91,100 oct. No sto. (A)
SAN ANTONIO MUN.-ALAMO	7.8 N,RR SE	785	55h R3 L6 S2	73,80 oct.
Stinson(San Antonio)	6.2 SSE,RR E	567	45h	
Yates(San Antonio)	13.7 N,hwy W	648	33	
(A)Zuehl No. 6 (A)	0.8 NE,hwy NW	610	30h	
[redacted]				
Auburn	1.8 ESE,hwy S	276	20 S6	80 oct. Trees.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Barrys Sky Harbor (Tacoma)	2.3 ENE,riv SW	4	21 S3	80 oct. Pole line E.
Boeing-Renton (Renton)	0.9 NW,lake N	32	54h L5	Lgts prior req.
City View Arpk. (Tacoma)	4.5 NE	350	18	Pole line SW.
Enumclaw	1.5 WSW,hwy E	740	20 S2	Ltd 80 oct. Pwr line E.
Forrest Grove (Spanaway)	1.8 E,RR E	340	30 S6	80 oct.
Groves (Camas)	2.8 N,hwy E	350	16 S1	Ltd 80 oct. Lake SW.
Kent	1.5 SSW,riv N	30	30 S6	80 oct.
KING CO.-BOEING (Seattle)	6 S,riv SW	23	75h R2 L5 S6	80-100 oct. No sto. ARPT OF ENTRY.
Kitsap Co.(Bremerton)	8 SW,hwy NW	482	50h L5 S6	80,91 oct. No sto. Lgts on req.
Lakewood (Tacoma)	7.5 SSW,RR E	243	22 S1	80 oct. Trees ENE,WSW
(A)McChord (Tacoma) (A)	7 SSW,lake SE	285	59h R3 L5 S6	73,91,100 oct. JP-1. FOREIGN CLEAR. STN
Mercer (Bellevue)	4.1 ESE,lake E	345	20 S5	80 oct. Tie-down sto.
Northern Tacoma (Puyallup)	1.3 N,RR N,S	20	19	
Puyallup	6 S,hwy W	520	45 S6	80,91 oct. Rnwy data unver.
R.C. Sugg (Orchards)	3.6 SSE,hwy S 6.8 E Vancouver	310	26 S6	80 oct.
Seattle Sky Ranch (Issaquah)	1.6 NNW,hwy S	50	25 S6	80,91 oct. No sto. Hill S.
(N)Seattle NAS (N)	6.5 NNE,lake E	37	51h R1 L5 S6	91,100 oct.
(N)Seattle-Tacoma (Seattle)	10.5 S,RR E	405	61h	Trees and hills sur. fld.
South Port Orchard (Port Orchard)	7.5 SSW,lake S	350	19 S4	80 oct. No sto. Trees N, S.
Spanaway Aircraft Co.(Spanaway)	1.2 SSE,RR S	375	25 S1	80 oct. Pole line S.
Tacoma	4.4 W,hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk. (Tacoma)	2.9 WSW,RR E	250	20 S4	80 oct. Sharp drop W edge fld.
Vancouver	1 SE	26	19 S6	Ltd 80 oct. No sto.
Vancouver, mun.	6.7 ENE	240	26 S1	80,91 oct. Hwy W.

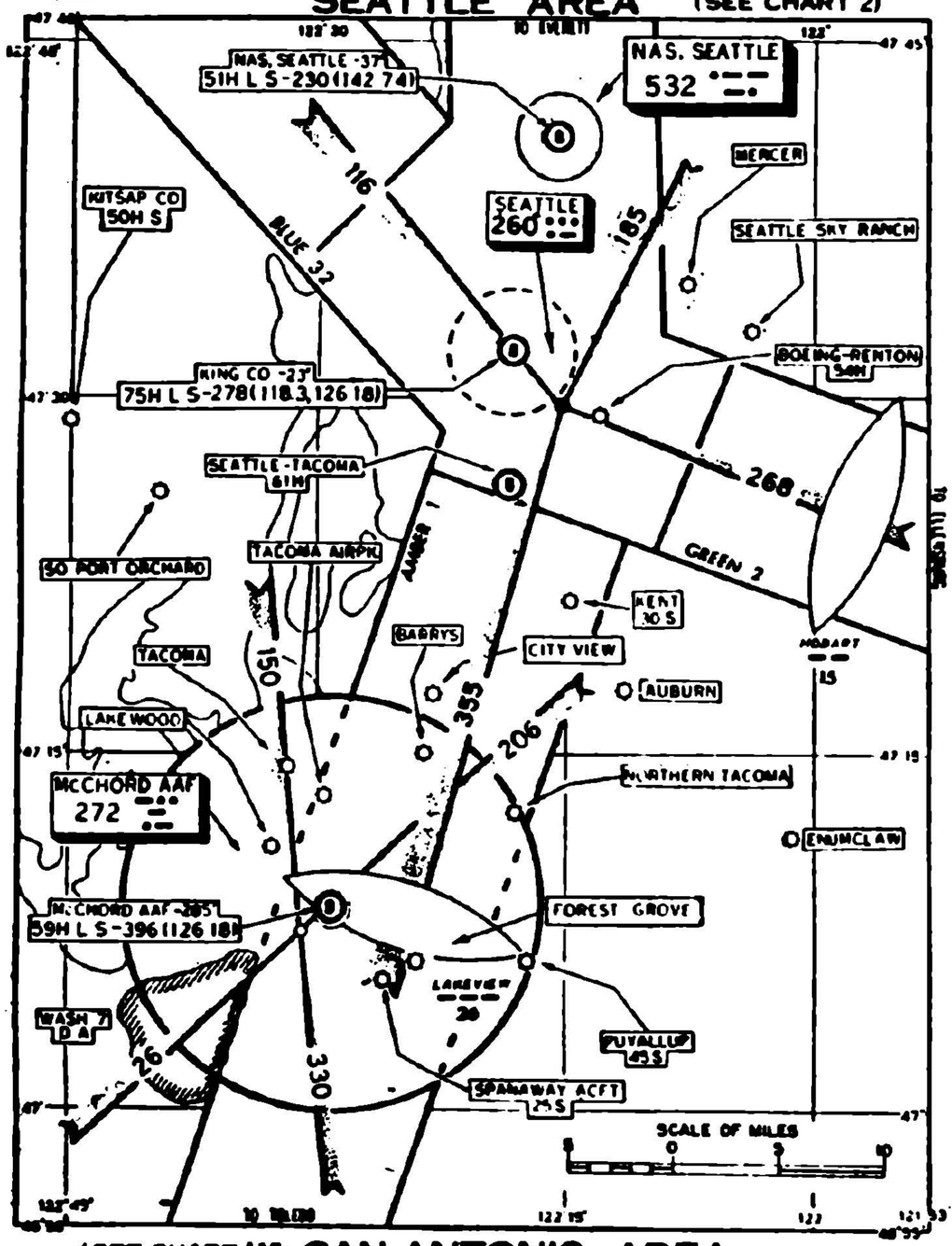
INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Lambert-St Louis, Mo	110.3		238° Mag.	IM- ····· (.06)	MM-	OM- --(4.50)
					MMK- 201 ··· (.60)	OMK-
McChord, Wash	109.9	333.8	337° Mag.	IM- (.28)	MM- ····· (.85)	OM- --(4.44)
					MMK-	OMK-
San Antonio, Alamo, Tex	106.9	333.8	30° Mag.	IM-	MM- ···· (.5)	OM- --(4.4)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

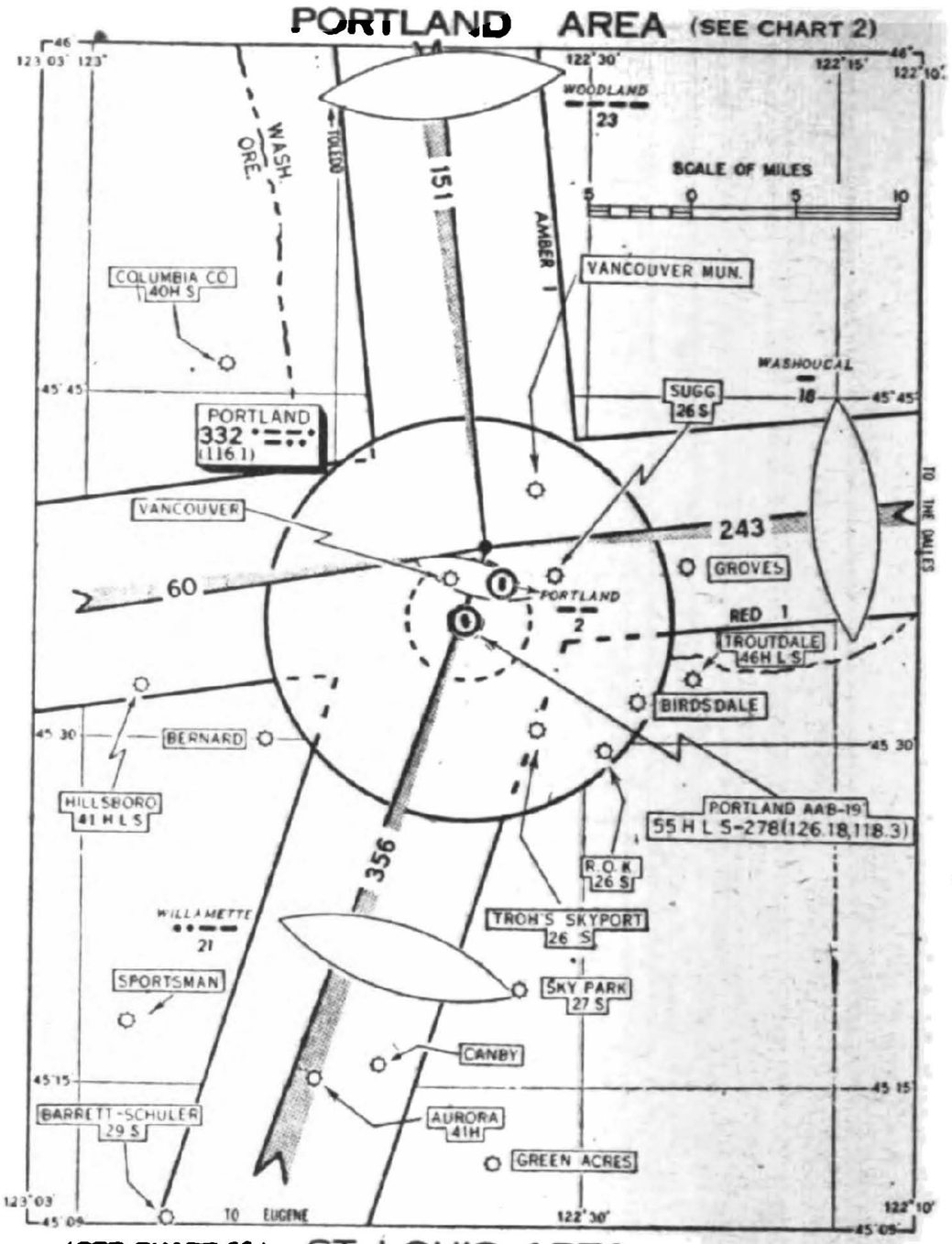
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3110, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page ····) NC (not charted) —▶ NEW OR REVISED DATA

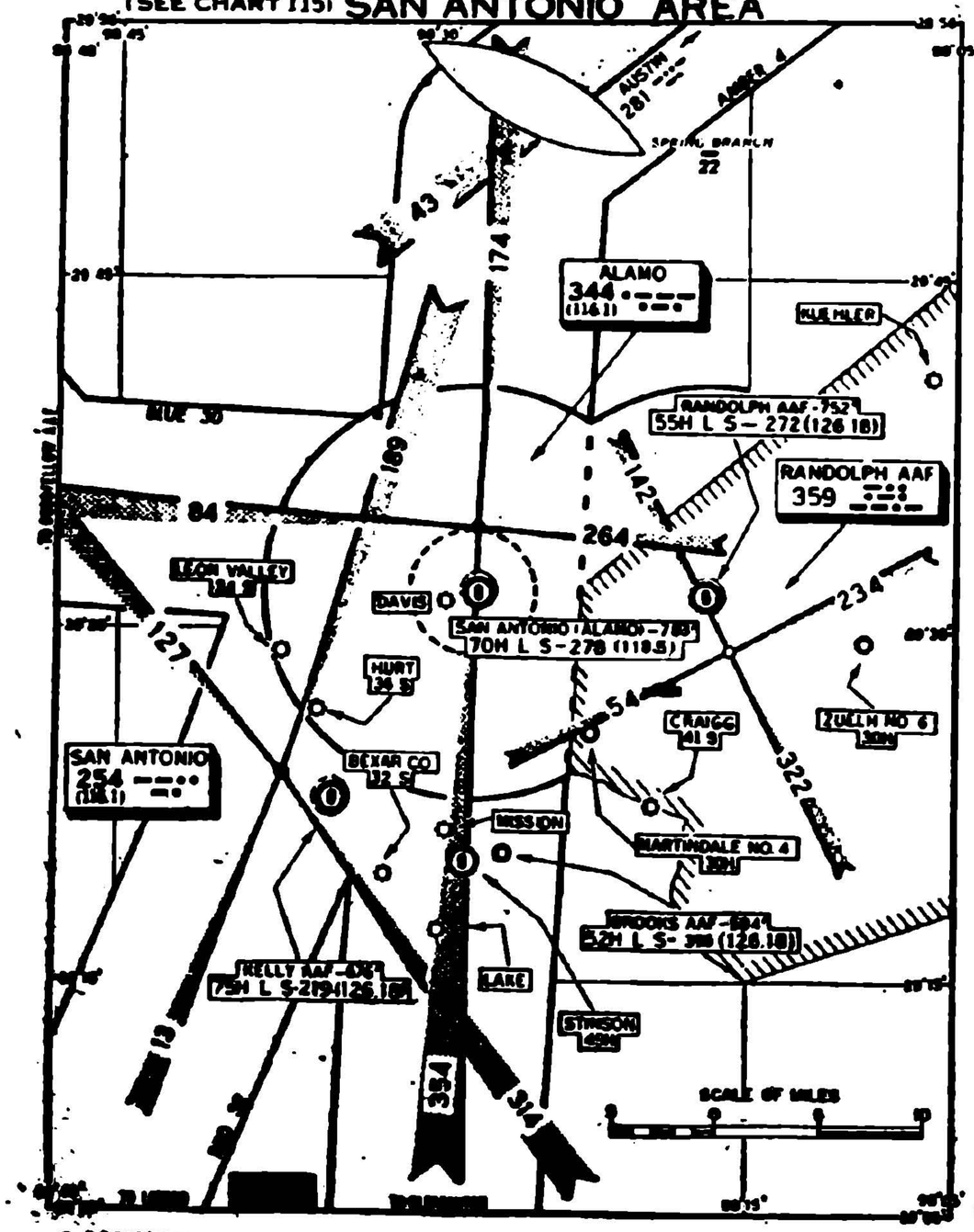
SEATTLE AREA (SEE CHART 2)



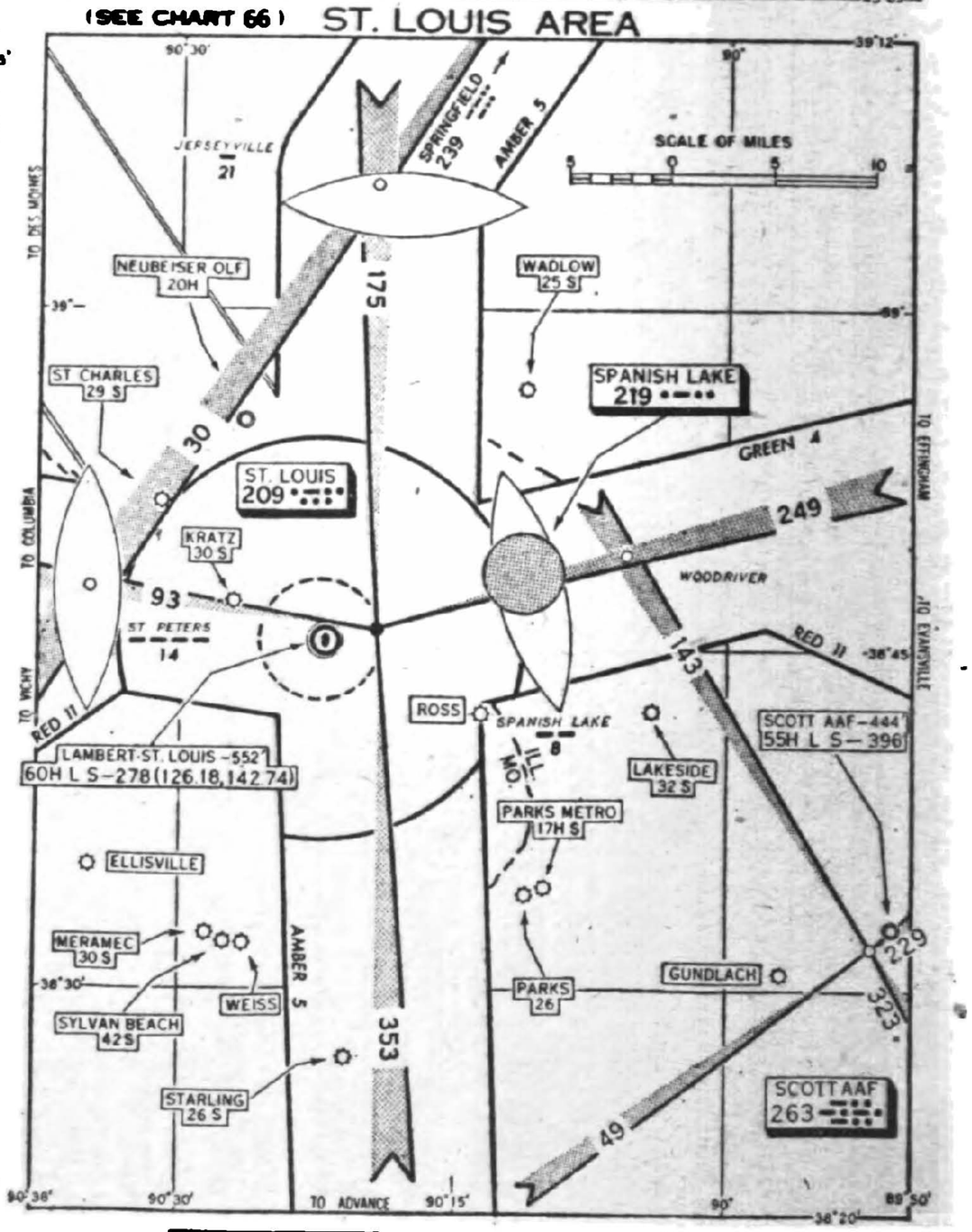
PORTLAND AREA (SEE CHART 2)



(SEE CHART 115) SAN ANTONIO AREA



(SEE CHART 66) ST. LOUIS AREA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF BLOCK LEGS INDICATE "A" BOARDARIES.

AIRPORTS LESS THAN 2500 FT. OR LETTERED, PAVING UNPAVED RUNWAYS AND NO LIGHTS. CAUTION AND CLOSE IN AIRPORT SIDE.

R: EXTREMELY HAZARDOUS

D: USABLE WITH CAUTION

Directory of Seaplane Bases and Anchorages

✓ CAUTION-Many seaplane landing areas in the North are closed during winter months because of ice.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
CALIFORNIA				
(N) Alameda NAS (N)	4.5 WNW	S.L.	211 R1 L5 S6	73,91 100 oct. Ramp: tractor.
(N) Corcoran, Tulare Lake	15.5 WSW	200	74	Buoys,Pole line N,E;dikes NW,W,S.
Lakeport, Clear Lake	E of Lakeport	1325	Unl	Buoy. C-L-O-S-E-D.
Oakland	6 S	S.L.	S4	Ramp;beach;haul-out.Data unver.
(N) San Diego NAS (N)	4.5 WSW	S.L.	106 R1 L S6	87,100 oct. Ramps; haul-out.
(CG) San Francisco CGAS (CG)	9 SSE	S.L.	132 L5 S6	91,100 oct. Ramps; all facs.
(N) San Pedro NAS (N)	2 ENE	S.L.	Unl L1 S4	73-100 oct. Ramps; all facs.
CONNECTICUT				
Greenwich	0.8 S	S.L.	Unl	PRIVATE. Ramp. Congested harbor.
Stratford,United Acft.Corp	2 SW	6	53	PRIVATE. Ramp.
Westport	2 S	S.L.	40 S6	80 oct. Float; marine railway.
Cromwell	0.8 S;hwy W		90 S4	80 oct.Float;ramp.Data unverified.
DIST. OF COLUMBIA				
(N) Anacostia NAS (N)	2.4 SE Mon't	8	106 S4	87-100 oct.Ramp;all fac prior req.
FLORIDA				
Avon Park,Lake Lotela	2 SE; RR SW	100	66 S1	80 oct. Beach.
(N) Banana River NAS (N)	11 SE Cocoa	S.L.	116 L S6	87,98 oct. Ramps; all facs.
Bradenton	Adj N	1	Unl S1	73 oct;80 oct req. Ramp;float.
Clarcona,Hidden Acres	1.5 WNW	90	30 S6	80 oct. Data unverified.
Daytona Beach,Bob Orrell	2 N	S.L.	264 S4	Ramp; float.
" Raymond's	1.5 N	S.L.	Unl S6	80 oct;91 oct req.Ramps;piers;boa
Fort Myers,Gulf Airways	2 N	S.L.	Unl S4	80 oct.Ramp;all facs.Data unver.
(N) Jacksonville NAS (N)	7.2 S	S.L.	Unl R1 L5 S4	91,100 oct. Ramps;all facs.
" Riverside	Adj city	7	Unl S1	80 oct. Beach.Data unverified.
(N) Key West NAS (N)	7 ENE	S.L.	130 R1 L S6	91,100 oct. Ramps;buoys.ARPT OF ENTRY
Lakeland, Municipal	Adj NE	145	Unl S1	80 oct. Data unverified.
Lake Worth, Municipal	Adj city	S.L.	100 S6	80 oct.Ramp;beach.Obsts E.Unver.
Leesburg, Hal Hoover's	1 N	15	Unl S1	80 oct.Ramp;beach;dock.Data unver.
Melbourne	Adj S	S.L.	Unl S1	80 oct. Float
Miami, Chalk's	2 E;causeway	S.L.	Unl S4	80 oct. Beach;ramps;winch. ARPT OF
(CG) " Dinner Key CGAS (CG)	2.5 SE	S.L.	150 L3 S4	100 oct.Ramps;haul-out.CLSD ENTRY
" E.Coast Avia. Service	8 NNE	S.L.	132 S4	80 oct. Ramps;buoys. Obsts.
" Embry Riddle	2 E;causeway	S.L.	65 S4	80 oct. Ramps.
" Miami Avia. Center	8.5 N	S.L.	Unl S1	80 oct. Data unverified.
Orlando.Orlando Aviation	5 N	90	60 S1	80 oct. Ramp;beach. Data unver.
" Country Club				
" Raymonde	2 W	70	50 S1	80 oct.Float.Twr NE.Data unver.
(N) Pensacola NAS (N)	5.3 SW	S.L.	116 R1 L1 S6	87-100 oct.Ramps; all facs.
(N) " Bronson NAAS (N)	12 WSW	S.L.	Unl L4 S4	87,91 oct. Ramps; all facs.
St. Augustine	Adj SE	S.L.	Unl S1	80 oct. Float; beach; dolly.
St. Petersburg,Albert Whitted	0.75 SE	S.L.	Unl S6	80,91 oct. Data unverified.
(CG) " CGAS (CG)	2.5 E	S.L.	Unl L S4	80-100 oct. Ramps.
" James Johnstone	7 W	S.L.	Unl S6	80 oct. Ramp; all facs.Data unver
" Pinellas County	11 NNW	S.L.	Unl S1	80 oct. Data unverified.
Tampa, Peter O.Knight	4 S; arpt W	8	Unl S6	80 oct. Ramps; all facs.
Titusville	Adj NE	S.L.	Unl S1	73 oct; 80 oct req. Data unver.
West Palm Beach, Hidet	1 N	S.L.	58 S4	80,87 oct.Ramps;all facs.ARPT OF ENTRY.
[redacted]				
Alton,Clifton Terrace	5 W		53 S1	80 oct. Data unverified.
[redacted]				
Davenport,Elliot Fly.Serv	Adj S	550	50 S1	80 oct.
[redacted]				
Cross Lake	5 NW		100 S4	Fuel; dock.Data unver.
Westvago	1 E	S.L.	53	PRIVATE.May Brothers.
[redacted] Service (See page 111) — NOW ON REVISED BASIS.				

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
MAINE				
Bath, New Meadows	2.3 WNW; RR S	12	60	Beach. N,S approaches blocked.
Boothbay,Frank L.Sample Jr	Adj	S.L.	Unl S1	Ramp; float.
Brunswick,Riverside Arpk.	1 WNW;RR,hwy S	60	58 S1	80 oct. Beaching.
Dexter,Heart of Maine	0.5 N	433	40	Buoys;boat. Trees N,S,W.
Eagle Lake	3.8 N	574	70 S1	80 oct. Obsts.
East Holden,Holbrook Pond	1.1 NNE	200	50 S1	73 oct. Ramp;dock.
Eastport	1 W	S.L.	Unl	Ramp.
Fryeburg	2 E	358	120	Trees encircle lake.
Greenville,Moose Hd.Lake	0.6 NNW	1028	50 S4	91 oct. Ramp.
" Jct.,Squaw Mt. Inn	1.5 N	1028	52	Buoy;boat;beach;float.
Madison, Tomlinson	6.8 NE	330	158 S6	80 oct.Boat,beach ramp; all facs.
Naples	0.5 NNW	267	160 S1	80 oct. Boat.
Portage,Portage Lake	0.4 WSW	609	160 S4	80,91 oct. Beach; boat.
Shinn Pond	0.7 NE	900	60 S1	80 oct.Buoys;beach;wharf. Obst.
Winthrop,Inland Fish & Game	2.7 NNE	212	127 S1	80 oct.Buoys;beach;float.
MARYLAND				
(N) Annapolis NAF (N)	1 E	S.L.	Unl S2	Ramp;haul-out;buoys.
(N) Baltimore,Middle River NAF	10 E	S.L.	Unl S6	91,100 oct.Ramp;buoys. (N)
Baltimore	7 S; bay E		Unl L1 S4	Ramps.
Glen Burnie-Whipp	1.5 E	50	100 S6	80 oct. Ramp.
(N) Patuxent River NAS (N)	2.9 NE of Jarboesville	S.L.	Unl S4	90,100 oct. Ramps;buoys.
MASSACHUSETTS				
Agawam	1 SSE	30	100 S6	80 oct. Ramp; all facs.
Beverly,Jubilee Yacht Club	Adj S	S.L.	105 S1	Beach;dock. Avail. May - Oct.
Chatham	Adj W	S.L.	33 S2	Ramp;dolly;buoy.
Holyoke, Smiths Ferry	4.5 N	100	95	Obsts. NE, SW.
Lawrence,Merrimac Val'y Skypt	2 E	7	83 S4	No sto. Ramp;float.Data unverified.
(CG) Salem CGAS (CG)	2.5 E	S.L.	150 S4	91,100 oct. Ramps.
(N) Squantum NAS (N)	0.8 W	S.L.	Unl S4	73-100 oct. Ramps;buoys;haul-out.
Swansea,Swansea Boat Yard	2.5 SSW	S.L.	211	Float;buoys;beach.
MICHIGAN				
Algonac	2.8 W	574	50 S1	73 oct.
Detroit,Motor Boat	6 ENE	575	Unl S1	Dock. Peach Island S.
" Seapl. Patrol Base Inc	4 ENE	575	Unl S1	73 oct. Dock. Belle Island S.
Kalamazoo, Austin Lake	8 SSE; RR E	855	100 S4	80 oct. Boat;beach;tractor.
North Muskegon,Interstate	0.3 S	581	100	Ramp;boat;dolly.
Trenton, Hance	5 NNE	574	Unl S1	73,80 oct. Beach;ramps.
Whitmore Lake	1 NNE	894	84 S4	Beach;boat;ramp.
MINNESOTA				
Bemidji, Moberg	1 NNE	1350	S2	80 oct.
Ely	1.5 W	1337	110 S2	80 oct. Ramps;dock.
Little Falls,Scenic Airways	0.5 N	1110	35 S1	80 oct. Ramps;beach; Poles S.
Marcel, Ranier	0.5 E	1300	30	Trees around lake.
MISSISSIPPI				
(CG) Biloxi CGAS (CG)	2 ESE	S.L.	54 S4	91 oct. Ramp.
NEW HAMPSHIRE				
Alton Bay,Interstate Awys	Adj N	504	Unl S1	80 oct. Ramp;buoys;wharf.Data unver
Hooksett	2 S	2	80 S6	80 oct. Beach;ramp;tractor.
Lakeport, Paugus Bay	1 NE	504	100 S4	73 oct. Beach;boat;ramp.
The Weirs, Weirs	0.3 SE	504	210 S4	80 oct. Ramps.
Wolfeboro	0.5 SE	504	180 S1	80 oct. Boat;wharf.
" Lakes Region	2.7 W	504	60 S6	80 oct.Ramp; all facs.
" Lake Winnepesaukee	3 WSW		60 S1	80 oct. Data unverified.

N.B. Seaplane bases and anchorages are not charted or indexed.

✓ CAUTION-Many seaplane landing areas in the North are closed during winter months because of ice.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
NEW JERSEY				
(CG) Cape May CGAS (CG)	2 NW	S.L.	60	Ramp; haul-out; buoys. INACTIVE
Little Ferry	0.5 E;brdg N	5	40 S6	80 oct.Boat;ramp;tractor.
Perth Amboy	0.5 S of brdg	5	Unl S1	80 oct.Ramp;all facs.Data unver.
Ridgefield Park,Lambrose Air College	0.5 S	5	40 S4	80 oct. Boat; ramp; winch.
" Mellor-Howard	1 S	5	35 S4	80 oct. Ramp; all facs.
Secaucus, Dawn Patrol	0.5 N;brdg SW	5	50 S2	73 oct. Winch.
NEW YORK				
Alplaus, Wells	0.5 SW	200	50 S4	80 oct.No sto.Ramp.Hi-line E.
Babylon Skyport	1.5 SW	S.L.	Unl S4	80 oct. Ramps;boat.
Buffalo	7.3 NW	570	103 S6	80 oct. Ramp; all facs.
Cooperstown, Otsego	Adj NNE	1194	Unl S1	80 oct.Float;ramp;buoys;winch.
Dobbs Ferry	0.5 SW	5	100	Marine Ry;ramp;winch;float.
Eagle Bay, Adirondack	0.3 S	1707	70 S1	80 oct. Beach.
Lake George, Hall's	0.5 E	330	52 S1	73 oct. Ramp; all facs.
Montauk Yacht Club	2.5 NE	S.L.	Unl S1	87 oct.Buoys;floats. Avail,May-Oct
New York,Downtown Skyport	Foot Wall St.	S.L.	S1	Floats.
" Evers	11 NE	5	70	Ramp;buoy;boat;winch. Bridge SSW.
(N) " NAS (N)	11.8 SSE	S.L.	100 S4	73,91,100 oct.Ramps;tractor.
" La Guardia	5 E	S.L.	211 L1 S6	73-100 oct. Ramps;winch;buoys.
North Long Beach	0.4 N;brdg SW	S.L.	75 S4	80 oct. Ramp;float.
Ossining, Picksir	0.5 W	3	158 S4	80 oct. Boat;ramp.
Oyster Bay,Cold Sprg Harb.	2 E	10	50	Buoys;beach;boat;dolly.
Piseco, Knox Bay	1.5 S	1661	163	PRIVATE. Boat;beach;tractor.
Port Washington,Grumman	1.5 NW	S.L.	158 S4	Ramps; all facs.
Rochester,Point Pleasant	6 NE	246	Unl S1	80 oct. Ramp;float;dock.
Round Lake	0.5 E;RR S,W	188	48 S6	80 oct. Beach;boat;tractor.
Sag Harbor	0.5 N	5	103	PRIVATE. Ramp;tractor.
White Stone, Queens	1 N	S.L.	200 S4	80 oct Ramp;dock.
Yonkers	S end	S.L.	Unl S4	80 oct.Ramp;moor.Clsd Dec,15-Mar,15
NORTH CAROLINA				
(CG) Elizabeth City CGAS	3.5 SE	S.L.	106 L1 S4	91,100 oct. Ramps; all facs.
" Harvey Point	13 S	S.L.	Unl	Ramps.
OHIO				
Cleveland,Breckling Air Service	1 E	573	30 S4	80 oct.No sto.Ramp;boat.Data unver buoy
OREGON				
Milwaukie, Portland	3 W	10	32 S4	80 oct. Ramps;boat;beach;winch.
Ocean Lake, Devils Lake	0.7 E	S.L.	59 S4	80 oct.No sto. Beach;winch.
Portland, Safley's	5 NNW	26	60 S1	Ltd 80 oct. Ramp;beach;winch.
PENNSYLVANIA				
	0.7 S			
Beaver	0.5 S	670	50 S1	80 oct. Boat;beach;ramp;tractor.
Corsopolis	0.5 N	675	50 S1	80 oct. Boat;ramp.
Edinboro	1.2 NNW	1200	Unl S1	Ltd fuel.Beach;boat;haul-out.
Harrisburg, Air-Harbor	1 SSW;brdg SE	300	30 S4	80 oct. Boat.No sto.
Kittanning, Sedwicks	0.2 W	769	50	Float;beach;boat.
Milton	1.5 SW	440	50 S	Sveg from Milton Arpt.
Oakmont	Adj NW	725	52 S1	80 oct. Float.
Philadelphia	10 SW	10	Unl S6	80,91 oct. Ramps; all facs.
" Philadelphia Skyport	Center of city	10	Unl S6	Boat;all facs. Data unverified.
(N) " Mustin NAS (N)	4 S	S.L.	120 S6	87-100 oct. Ramp.
Pittsburgh, Buck's	st riv inter.	715	70 S6	87 oct.Boat;beach;ramp;winch.
" Dravosburg	5 SE;jct rivs	718	50 S2	80-100 oct. Ramp;float;boat.
" Highland	5 NNE	721	36 S6	80 oct. Ramp;all facs.Data unverif
Rochester	o.5 S	670	78 S1	80 oct. Float;boat.

CITY—AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
RHODE ISLAND				
Newport	3 NW	S.L.	Unl	Ramps;buoys;boat.
(N) Quonset Pt.NAS(Providence)	16.5 S	S.L.	Unl L5 S6	91,100 oct. Ramps; all facs. (N)
TEXAS				
(N) Corpus Christi NAS (N)	9.5 SE	S.L.	Unl R1 L3 S5	91,100 oct. Buoys;ramps.
La porte, Pay Bros.	2 NE	S.L.	Unl S1	No sto. Floats;marine ry.Data unver.
VIRGINIA				
(N) Lahlgren NAF (N)	Adj SE	10	S2	Ramp.
(A) Langley (A)	3 N Hampton	5	105 S2	Dock;Closed during ice period.
(N) Norfolk NAS (N)	6 N	S.L.	123 R1 L1 S6	87,91,100 oct. Ramps;all facs.
(N) Quantico MCAS (N)	1 S	13	120 S4	Buoys;boat;ramp.
WASHINGTON				
Bellingham	5 ESE	307	158 S2	73 oct. Boat;ramp;winch.
" Lakeside Fly. Serv.	3 E	307	106 S1	73 oct. Buoy;boat.
Bremerton	0.75 E	S.L.	211 S6	80 oct.No sto.Ramps;winch;hoist.
(N) " NAS (N)	0.5 S	S.L.	Unl S4	Ramp;buoys;haul-out.
Chelan, Air Harbor	0.8 W	1079	Unl S1	73 oct. Boat;beach;ramp.
Coulee Dam	3 ESE	1275	Unl S2	73 oct. Boat;beach;marine ry.
Longview, Sky Harbor	1.3 ENE	5	37 S1	73 oct. Float;beach.
(N) Oak Harbor NAS (N)	0.5 SE	S.L.	Unl R1 S	Fuel,sto,prior req.Ramps;buoys.
Oroville, Dorothy Scott	1.7 N	913	52	Boat;beach.
(N) Port Angeles CGAS (N)	2 NNE	13	Unl S4	Ramp; all facs.
Port Townsend	Adj S	S.L.	150 S4	Ltd fuel. Buoys.
Prosser, L & D	1 W	632	76 S1	80 oct. Ramp. 100' pole line WSW.
Seattle,Kurtzer Fly.Svcg.	In city	S.L.	79 S4	80 oct. Ramps;hoist.
(N) " NAS (N)	6 NNE	36	300 L-S6	87-100 oct. Ramps; all facs.
" Seattle Service	In city	20	53 S2	80 oct. Ramp;boat.
Tacoma, Float Haven	0.7 NE	S.L.	26 S1	80 oct.Ramp;floats;boat;winch.Prog SSE.
Wenatchee	0.5 E	600	53 S1	73 oct.Boat;beach;ramp.
WEST VIRGINIA				
Charleston,Kanawha Flying School	Center of city	586	50 S6	80 oct. Boat;ramp;winch.
Wheeling	Center of city	630	50 S1	87 oct.Boat. Bridges S.
South Charleston	W of city	560	Unl S6	80 oct.Boat;ramp;winch. Data unver.
WISCONSIN				
Madison, Jackson	3 WNW	849	Unl S2	80 oct. Dock;float
Milwaukee	3 ESE;hwy w	585	185 S6	80,91 oct.
Bangor, Down East (Maine)	3 NE		106 S4	80 oct.No sto.Ramp;float;beach.Data
Fall River (Mass.)	2 E	131	119	Data unverified unverified.
Gloucester (Mass.)	0.3 W	S.L.	50 S4	80 oct.No sto.Morrings;float.Data
South Hadley (Mass)	1 W	95	100 S4	80 oct. Data unverified. unverif.
Lowell (Mass.)	1 W	95	92 S3	Data unverified.
Lawrence,Merrimac Val'y(Mass)	2 W	45	50	Data unverified.
New Bedford (Mass.)	In harbor	S.L.	Unl	Data unverified.
Athens (New York)	Adj E		Unl S1	73 oct. Float. Data unverified.
Bay City,James Clements	3.7 S	580	35 S4	80 oct. Data unverified. (Mich.)
Comstock Park,Grand River	1 S		50	Data unverified. (Mich.)
Curtis,Ostrander's Forest Inn (Mich.)	1 N		Unl S1	80 oct. Moor.Data unverified.
Iron Mountain,Lake Antoine	1 NE		Unl	Beach. Data unverified.(Mich.)
St.Clair Shores,Jay Bee	Adj.		Unl S1	80 oct.Ramp.Data unverified.(Mich.)
Old Mission (Mich.)	Adj E.	581	120 S1	80 oct.Beach.Data unver.
Connecticut Valley(Windsor Locks,Conn.)	2.5 S.		158 S4	80oct.Hi-tension wires N.Closed winter.Data unver.
Drummond,Smith Lake(Wisc)	9.5 W		30 S1	80,91oct.Beaching. Data unverif.
Drummond,Sweet Lake(Wisc)	9.5 W		40 S1	80,91 oct. beaching. Data unverif.
Orlando, Davis (Fla)	2.5 NW	90	80 S1	80 oct. Ramp,dock

R-radio facilities. L-lighting facilities. S-servicing. (See page x111)→ NEW OR REVISED DATA. N.B. Seaplane bases and anchorages are not charted or indexed.

NOTICES TO AIRMEN

INTRODUCTION

PROCEDURAL STATEMENT: The AIRMAN'S GUIDE no longer has a separate section for the DIRECTORY OF AIRPORTS or the AIR NAVIGATION RADIO AIDS. These two sections are now inserted as data pages between the flight planning charts. To retain the 2-page chart flow, however, the data pages are found on the reverse sides of the charts rather than facing them. On the data pages are tabulated all the data covering the facilities charted on the reverse sides and formerly found in the DIRECTORY OF AIRPORTS and AIR NAVIGATION RADIO AIDS sections. To facilitate reference to a particular facility, an Index of Facility Locations with the parenthetical number of the page on which the locale is charted has been added to the revised AIRMAN'S GUIDE, e.g., Chicago (139). On the back of page 139 will be found the Air Navigation Radio Aids and the Directory of Airports data covering Chicago.

Because of the serious paper shortage every means of reducing the Airman's Guide bulk has been investigated. Codification and considerable abbreviation are already being utilized. No material may be deleted, however, in this paper conservation program because surveys have revealed that subscribers consider all parts of the Guide essential. Consequently, about the ultimate step in this bulk-reduction direction has just been taken. The data pages backing the charts now serve, where possible, as notam pages. Resultantly, most of the new data formerly notamized in the Notices to Airmen section with prefixed large stars or double asterisks are no longer carried in that section. Only commissionings, abandonments, or changes so potentially hazardous that they are indicated with R (for red flag) symbols on the charts, are now cited in the Notices to Airmen section.

Notamizing on the data pages is effected by the use of prefixed arrows as in the former Air Navigation Radio Aids publication. All changes from the previous issue, whether cited in the Notices to Airmen section or not, are indicated by the prefixed arrows. Following are examples of changes notamized only on the data pages: field obstruction, servicing, elevation, location, and runway length changes. Because of the use of the prefixed arrows as new data indicators, a further innovation had to be adopted. This is a heavy black horizontal line device.

Space below the heavy black horizontal lines on the data pages has been reserved as a supplement for new radio aids and airports whose data were received after the data pages were originally typed. Revisions to existing airports and radio aids are super-imposed on the old data, but new airports and radio aids are listed, necessarily out of alphabetical alignment, below the heavy black horizontal lines until the page is re-typed.

In summation: (a) on the data pages backing the charts, new data or revisions are indicated by arrows; (b) in the Notices to Airmen section, citations covering new or revised radio data are prefixed by one large star "★". Citations covering new or revised airport, or miscellaneous data are prefixed by two asterisks "**"

All temporary conditions (field soft, runway under construction, range course out of alignment, etc) are cited in full until they are no longer in effect. When a citation carries a permanent item and a temporary item, the permanent item is underlined. Parenthetical date at end of item indicates time item was reported.

To conform to chart practice, all facility data are listed in the Notices to Airmen section and on data pages alphabetically by states and by facility name. Thus, an airport will be found listed alphabetically under its own name rather than under its locale's name. If the airport or radio facility name is other than that of the city in which it is located, the location is shown in parenthesis after the facility name.

CIVIL FACILITY DATA: Please advise immediately the Office of Aviation Information, Attention A-250, CAA, Department of Commerce, Washington 25, D. C., whenever temporary conditions covering civilian airports or navigational aids begin or terminate, data revisions are effected, or flight hazards are erected or removed.

SPECIAL NOTICES

ARMY DATA: Advice covering Air Forces Fields or Air Forces Operations on civilian fields, or AAF Radio Facilities, and Danger or Caution Area activation, as well as requests for approval for the closing of any army airfields to transient military aircraft for a period in excess of ten days should be directed to: COMMANDING GENERAL, AIR TRANSPORT COMMAND, WASHINGTON 25, D.C. ATTENTION: HEADQUARTERS FLIGHT SERVICES, FLIGHT OPERATIONS. Information to be published will be coordinated and submitted to the C.A.A.

NAVY FACILITY DATA: In accordance with Hydrographic Office Memorandum for Aviations No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air/ground communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25, D. C., for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter #96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

POLICY ON ARMY USE OF TEMPORARILY INACTIVE ARMY AIR FIELDS: 1. Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein by the following notice: "Army temp inactive - civil facs". 2. Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft on official business only under written orders of an air force, command or higher authority. Individual orders for each flight rather than blanket authority is desired. Such airfields will be identified herein by the following notice: "Temp inactive - no facs. (see Special Notice re use)". Operation of Air Transport Command hospital evacuation aircraft will not be limited in any respect by above policy. Above policy statement is not to be construed as countermanding any AAF regulations or letters governing command use of municipal airports or Army airfields.

"OFFICIAL BUSINESS" AS APPLIED TO AAF: The term "official business", within the meaning of AAF Regulation 85-2, is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units or organizations at or near the airfield selected for landing for the purpose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining aircraft clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintining flying proficiency are not considered to be official business within the meaning of this regulation.

AIRPORTS AVAILABLE FOR USE BY MILITARY AIRCRAFT: The attention of Army clearance personnel and of Army pilots is invited to provisions of Section III of Army Air Forces Regulation 85-2, which states in part: "The use by Army aircraft of private airports which have not been leased, purchased, or otherwise acquired by the

✓ Indicates new or revised Special Notice.

Federal Government is unauthorized except in case of emegency or for official visits authorized by an Air Force or Command". This Regulation further states "AAF transient itinerant aircraft may utilize: (a) Government or DLA (development landing area) type airports, subject only to such restrictions as may be listed from time to time in Weekly Notice to Airmen . . . (b) Private airports when legal permits for their limited use are procured by, and filed with the real estate agency of the War Department. . .". Reference to the AAF Installations Direction, and to the Data Pages as well as the Notices to Airmen section of the Airman's Guide should be made in case of doubt as to the proper use of fields. On the Data Pages, all AAF installations are designated by the prefix (A), Navy by (N) and DLA by (P).

RESTRICTION ON C-45, AT-7, AT-11, F-2, and CQ-3 ARMY AIRCRAFT: Upon compliance with following items and notation in Form 1B of each aircraft certifying completion, above types of aircraft may be cleared for IFR flight: (a) Replace all gyro units which on flight check spill either gyro at less than 45°; (b) Compliance with T.O.01-90C-9; (c) Compliance with applicable modifications on auto-pilots prescribed by T.O.'s 01-90-50, 01-90-54, 01-90-52, 01-90-56; (d) Modify receiver dials so that index is turned 90° toward pilot as described in item 7, page 6, T.O. 00-65-14; (e) Periodic inspections prescribed in T.O. 05-45BA-2 for Jack and Heintz instruments and T.O. 45AB-2 for Sperry instruments.

RESTRICTION ON FLIGHT OF AAF AIRCRAFT IN NEW YORK CITY AREA: Effective immediately no AAF acft except those on scheduled transport operations will be cleared to New York City Area unless point of first intended landing is Mitchel Field, Hempstead, L.I.,N.Y. When instrument conditions prevail in New York City Area, no Army aircraft except those on scheduled transport operations will land at or take off from other than Mitchel Field. When contact conditions prevail in New York City Area, aircraft which have been cleared for Mitchel Field but which desire to land at other authorized fields in New York City Area, will, when approaching New York City Area, obtain clearance from New York Flight Service through normal communication means. For purposes of these instructions, New York City Area is defined as a circle 50 miles in diameter contered on southern tip of Manhattan Island. Contact weather New York Area will be considered to be: 2000 feet ceiling, 3 miles visibility, both day and night. When cloud conditions exist below 2000 feet flight conditions will be considered IFR.

MILITARY AND NAVAL LANDINGS IN NEWFOUNDLAND: All military and naval aircraft landing in Newfoundland should use Harmon Field at Stephenville or Naval Operating Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

RESTRICTIONS ON AAF HELICOPTERS: YR-5A,R-5A,YR-5D,R-5D (except as indicated below*) and YR-5E helicopters are grounded and will not be flown.

*R-5D helicopters No. 43-46643 and subsequent have been modified by the contrator and may be released for flight.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA - Morrison Field, Fla.; Washington National Airport, D.C.; or Westover Field, Mass. ALASKA - McChord Field, Wash.; Great Falls AAF, Mont. BERMUDA - Mitchel Field, N.Y.; Morrison Field, Fla.; Washington National Airport, D.C.; or Westover Field, Mass. CANADA - Great Falls AAF, Mont.; McChord Field, Wash.; Washington National Airport, D.C.; Selfridge Field, Mich.; or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif.; Kelly Field, Tex.; or Morrison Field, Fla. CARIBBEAN - Morrison Field, Fla. ENGLAND, GREENLAND, ICELAND, NOVA SCOTIA, NEWFOUNDLAND, AND NORTH IRELAND - Washington National Airport, D.C., and Westover Field, Mass. (Note: Selfridge Field also will clear for Nova Scotia and Newfoundland). HAWAII - Fairfield-Suisun AAF, Calif.

OPERATING PROCEDURE UNDER AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): 1. Departure from AAF Bases. No change. Reference: AAF Regulations 15-23 and 60-22. 2. Departure from non-AAF Bases. AAF aircraft departing from non-AAF bases will file a complete flight plan with, and secure approval from, the nearest Flight Service Center prior to takeoff, or as outlined in AAF Regulation 60-22. Communications with a Flight Service Center may be estab. by direct telephone to the center or by a radio call to the nearest AAF Base or AACS airways radio station. In addition to the Flgt Service clearance, pilots contemplating flight under Instrument Flight Rule conditions will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA Communication facilities. However, if CAA Communication facilities are not available, the CAA clearance may be obtained through Flight Service. 3. Change of Contact Flight Rule (CFR) Flight Plan Enroute. AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACS Airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. (4) Change of Instrument Flight Rule (IFR) Flight plan, or CFR to IFR, or IFR to CFR enroute. AAF aircraft requiring a change of route, altitude, point of first intended landing, cruising speed or alternate airport, or change from CFR to IFR or IFR to CFR enroute, will contact a CAA communications station for coordination and approval by CAA Airway Traffic Control and Flight Service. If communications with CAA communications station cannot be established, AACS Airways radio station will be contacted for coordination and approval by CAA Airway Traffic Control and Flight Service. 5. CFR Position Reports. When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS Airway radio stations enroute and receive any necessary advisories from Flight Service.
6. IFR Position Reports. When flying under IFR conditions, pilots will first make position reports to CAA communication stations as heretofore required, and will then make position reports to AACS Airways radio stations in order that the responsible Flight Service Center may furnish any necessary advisories. 7. Voice Calls. AACS Airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio".
8. All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency and service obtainable. An index to AACS Airways Stations within the U.S., together with a listing of the assigned frequencies, may be found on pages 94 and 95 of T.O. 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service
A	116.10 mc..	CAA AIRWAYS (RANGE STNS) *AACS Airways (Plan 62)
B	126.18 mc.	CONTROL TOWERS
C	137.88 mc.	AACS AIRWAYS (PLAN 62) *Control Towers.
D	140.58 mc.	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL.

* Available for service indicated on a secondary basis.

9. It will be some time before all AAF aircraft are equipped for operation on AACS Airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt

to make position reports to Flight Service as described above. However, emergency Flight Service advisories may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS Airways frequencies will contact airways stations whenever possible rather than AAF control towers.

10. The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA Area	Flight Service Area	Phone No.
Washington Pittsburgh New York Boston	Olmsted Flight Service Center Middletown, Pa.	Steelton 93387 Steelton 93470
Jacksonville Miami	MacDill Flight Service Center Tampa, Fla.	H-4871
Memphis New Orleans Atlanta	Maxwell Flight Service Center Montgomery, Ala.	Montgomery 89
Detroit Cincinnati St. Louis Chicago	Wright Flight Service Center Dayton, Ohio	Osborn, Ohio MO-88691
Fort Worth San Antonio	Fort Worth Flight Service Center Ft. Worth, Texas	Ft. Worth 77251
Denver Minneapolis	Lowry Flight Service Center Denver, Colo.	Dexter 1553 Dexter 1554
Los Angeles Albuquerque El Paso	March Flight Service Center Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland Salt Lake Great Falls Seattle	Hamilton Flight Service Center San Rafael, Calif. McChord Flight Service Center Tacoma, Wash.	San Rafael 5800 Text 2165 or 2167 Lakewood 3324

ARMY AIRWAYS FACILITIES: In accordance with AAF Letters 100-74, 100-89, 100-2 and AAF Manual 100-63-1, the AAF Military Flight Service Communications System was placed in operation November 1, 1946. This new system, replacing the leased CAA communications system previously used for CFR flight plans and associated communications, handles AAF operational point-to-point and air-ground communications pertaining to departures, arrivals, emergency rescue, hurricane evacuation, flight advisories, clearances, transportation and cargo services, training, bomb scoring, and RON messages The CAA continues to handle IFR flight in accordance with statutory responsibility. Operating instructions for the guidance of AAF pilots are furnished by special notice entitled: "Operating Procedure under AAF Military Flight Service Communications System (Plan 62)". This system is operated by 9 AAF Military Flight Service Communications Centers located at the following points which will have an area of responsibility corresponding to that or two or more CAA airway traffic control centers as indicated: McChord Field, Wash. (Area encompasses present Seattle and Great Falls CAA Areas); Hamilton Field, Calif. (Area encompasses present Oakland and Salt Lake City CAA areas); March Field, Calif. (Area encompasses present Los Angeles, Albuquerque, and El Paso CAA areas); Lowry Field, Colo. (Area encompasses present Denver, and Minneapolis, and Kansas City CAA areas); Ft. Worth AAF, Tex. (Area encompasses present Ft. Worth and San Antonio CAA areas); Maxwell Field, Ala. (Area encompasses present Memphis, New Orleans, Atlanta CAA Areas); MacDill Field, Fla. (Area encompasses present Jacksonville and Miami CAA Areas); Olmsted Field, Pa. (Area encompasses present Washington, Pittsburgh, New York, and Boston CAA areas); Wright Field, Ohio (Area encompasses present Detroit, Cleveland, Cincinnati, St. Louis, and Chicago CAA Areas). Communications with Army aircraft are accomplished by means of HF and VHF installations as listed on pages 94 and 95 of T.O. 08-15-1 of November 15, as well as by means of AAF control towers. Almost all of air/ground stations listed are now in operation. Notice of inoperativeness or of changes therein will be given in "Notices to Airmen" Section.

STANDARD NAVY GROUND CONTROL APPROACH FREQUENCY ASSIGNMENTS: Allocations of frequencies, both HF and VHF, for Navy GCA use have been coordinated with the AAF. Universal frequencies allocated primarily for Navy GCA operational use are as follows: HF Communications - 3475 kcs., 4890 kcs., 6640 kcs.; VHF Communications - 134.64 mcs., 142.02 mcs., 143.64 mcs. As a safety precaution, Navy GCA Units will also be prepared to control aircraft on 140.58 mcs., the Navy emergency frequency. To provide a means whereby Navy aircraft may receive assistance from Army GCA Units and vice-versa, the following agreement will govern: (a) Army GCA Units will at all times be prepared to control Navy Aircraft on 140.58 mcs. (b) Navy GCA Units will be prepared to control AAF aircraft on 140.58 mcs. It is the responsibility of the pilot desiring GCA assistance to establish communication with the appropriate control tower for preliminary approach instructions. The pilot will then be instructed as to the proper frequency for contacting the GCA Unit. Navy GCA Operational Units are located as follows: Whidbey Island NAS, Wash.; Charlestown NAAS, R.I.; Oakland NAS, Calif.; Miramar MCAS, Calif.; Seattle NAS, Wash.; Olathe NAS, Kans.; Oceana NAAS, Va.; Patuxent River, Md.

LORAN DATA: Loran is a long range electronic navigational aid utilizing pulse techniques. It provides accurate fixes for the user within one per cent of his distance from the stations. Loran service is provided continuously twenty-four hours a day. Loran operates on fixed frequencies of 1750, 1850, and 1950 kcs. To use Loran it is required that a Loran receiver-indicator be employed and that suitable charts and tables be available to the navigator. The following is a list of Coast Guard and Canadian Loran rates presently in operation: Atlantic: 1L-0, 1L-2, 1L-3, 1L-4, 1L-7, 1H-1, 1H-2, 1L-1; West Coast U.S.: 2H-4, 2H-5, 2H-2; Aleutian Area: 1L-0, 1L-2; Central and Western Pacific: 2L-0, 2L-1, 2L-2, 2L-3, 4H-2, 4H-3, 4H-4, 4H-5, 1L-6, 1L-7. Information regarding Loran coverage, rates, frequency, etc., throughout the world is contained in the Catalog of Loran Charts and Service Areas, Hydrographic Office Publication No. 1-L. This publication may be obtained from Hydrographic Office agents located in various cities in the United States or from the Hydrographic Office, Washington, D.C., at a cost of 30¢. Complete Loran tables are contained in Hydrographic Office Publication Series No. 221, which can be obtained from the same sources at a cost of $3.00 per volume. Loran charts may be similarly obtained. Hydrographic Office Circular No. 3 and the Hydrographic Bulletin (issued weekly) give a list of these agents mentioned above and may be obtained without charge from the Hydrographic Office or any Branch Hydrographic Office. Changes in Loran service are broadcast in Hydrolants and Hydropacs, and as local broadcasts, the stations, frequencies, and schedules being listed in the first Hydrographic Bulletin issued each month. Inquiries of an operational nature regarding Loran may be addressed to the Commandant (OAN), U.S. Coast Guard, 1300 E Street, N.W., Washington 25, D. C.

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

FOREIGN ENTRY PROCEDURES: Every U.S. citizen traveling abroad, except to Canada, Mexico, Alaska, Hawaii, Puerto Rico, and the Virgin Islands, requires a passport. The following procedures are necessary in order to gain entry, with intention to land, in Canada and Mexico:

CANADA: 1. All departures from the U. S. must be made from Airports of Entry (See next item). 2. If landing is to be made at a designated Canadian Airport of Entry, notice should be telephoned or telegraphed to the collector of customs at the predetermined point of entry when clearing U.S. Customs. 3. If entry is planned at a field other than a customs airport, arrangements should be made with the Secretary,

Customs Division, Department of National Revenue, Ottawa, at least 10 days in advance. 4. Pilots and aircraft must be properly certificated and general observance of Canadian air regulations is required. 5. The following is a list of all Canadian Customs Airports of Entry: Whitehorse, Y.T.; Vancouver, B.C.; Calgary, Alta.; Lethbridge, Alta.; Moose Jaw, Sask.; Regina, Sask.; Winnipeg, Man.; Ottawa, Ont. (Island or Malton); Hamilton, Ont.; Windsor, Ont.; Montreal, P.Q. (Dorval); Fredericton, N.B.; St. John, N.B.

MEXICO: Applications for permits may be filed with the nearest Mexican consul who charges a fee of $4.00, or directly with the Department of Civil Aeronautics, Mexico City, Mexico, without charge. The permit will be sent directly to the Airport of Entry named in the application, unless the applicant specifically requests that it be sent to his home address. If entry is to be made from Brownsville, Tex., permission may be received from Representative of Mexican Ministry of Communication and Public Works, Department of Civil Aeronautics, Rio Grande Valley International Airport, Brownsville, Texas. All departures from the U.S. must be made from Airports of Entry. (See next item).

AIRPORTS OF ENTRY: Customs clearance into or out of the U.S. must be secured at Airports of Entry. Since there is insufficient traffic at most of these fields to justify resident customs personnel, advance notice must be sent to the Deputy Collector of Customs of the city in which the Airport of Entry to be used is located. The notice should state the day and approximate hour of exit or entry. Following are the Airports of Entry: International Arpt, Douglas, Ariz.; Nogales International Arpt, Ariz.; Calexico, Arpt, Calif.; Lindbergh Field, San Diego, Calif.; Meacham Fld, Key West, Fla.; Dinner Key Seaplane Base, Miami, Fla.; Miami International Arpt, Fla.; Midet Seaplane Base, West Palm Beach, Fla.; Caribou Arpt, Me.; Presque Isle Arpt, Me.; Detroit City Arpt, Mich.; Romulus AAF, Mich.; Sault Ste Marie Arpt, Mich.; Williamson-Johnson Fld, Duluth, Minn.; Duluth Boat Club Seaplane Base, Minn.; Cut Bank Arpt, Mont.; Great Falls Arpt, Mont.; Havre City-County Arpt, Mont.; Albany Arpt, N.Y.; Buffalo Arpt, N.Y.; Malone-Dufort Arpt, N.Y.; Massena Arpt, N.Y.; Ogdensburg Arpt, N.Y.; Ogdensburg Seaplane Base, N.Y.; Rochester Arpt, N.Y.; Rouses Point Seaplane Base, N.Y.; Watertown Arpt, N.Y.; Grand Forks Arpt, N.D.; Pembina Arpt, N.D.; Portal Arpt, N.D.; Cleveland Arpt, Ohio; Hinde Arpt, Sandusky, Ohio; Put-In-Bay Arpt, Ohio; Eagle Pass Arpt, Tex.; El Paso Arpt, Tex.; International Arpt, Brownsville, Tex.; Warren R. Austin Arpt, Swanton, Vt.; Bellingham Arpt, Wash.; Burlington Arpt, Vt.; City-County Arpt, Port Townsend, Wash.; Felts Fld, Spokane, Wash.; King County Arpt-Boeing Field, Seattle, Wash.; Lake Union Seaplane Base, Seattle, Wash.

CUSTOMS REPORTS: In making flights TO or FROM a foreign country, civilian fliers are required to report to a customs officer. If they do not report, they are subject to a civil penalty of $500.00 for each violation, and any aircraft used in connection with any such violation is subject to seizure and forfeiture, as provided for in the customs laws. On flights from foreign territory, the first landing in the United States is required to be made at an Airport of Entry, unless permission to land elsewhere than at an airport of entry is granted by the Commissioner of Customs, Washington 25, D.C. Consult the nearest customs officer before making foreign flights.

U.S. CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: Although the CAA does not require special permission for the flight of U.S. aircraft abroad, or for the delivery of aircraft exported to foreign countries all aircraft must be registered and certificated as to airworthiness, and pilots must hold appropriate U.S. pilot certificates. The single exception to the above is: Special permission must be obtained from the Director, Aircraft and Components Service, CAA, Washington, D.C., for any flight into or through the Panama Canal Zone. In general, permission must be secured from foreign countries for the conduct of scheduled or non-scheduled operations from the U.S. Specific information may be secured from the Aviation Division, State Department. All air carriers must secure operating certificates from the CAA and their operations must be in conformance with these certificates. Although there are no Federal taxes on the exportation of aircraft from the U.S., it is mandatory that a license for such export be obtained from the State Department.

CANADIAN REGULATIONS FOR CFR FLIGHTS: (a) It is compulsory for pilots desiring to conduct a CFR flight to file a flight plan unless the flight will be made within a radius of 25 miles of the point of departure. (b) Arrival messages must be filed by pilot on all such CFR flights.

CANADIAN INSTRUMENT FLIGHT RULE FLIGHT: Pilots are cautioned to conform to the requirements of C.A.R. 60.2 where flight is proposed to be conducted under Instrument Flight Rules from the United States into air traffic control areas designated in Canada. Failure to adhere to these regulations may result in detention of pilots concerned by Canadian Authorities.

PANAMA CANAL ZONE, FLIGHT INTO: Prior to take-off from any aerial port of embarkation of any aircraft flight into, or through, the 200 mile area blanketing the Canal Zone, Commanders of Military Aircraft will notify the CG 6th Fighter Wing, Attention: Fighter Controller, by an information copy of their flight plans. With a view to safety and protection of their equipment and personnel, operators of all other aircraft should follow the same procedure. Responsibility for this notification of flight plans lies with the operator, but notification will normally be transmitted by the clearance authority at the point of departure.

SAN JUAN, P.R., PRE-FLIGHT CLEARANCES: The Isla Grande Airport at San Juan, Puerto Rico, is a part of the U.S. Naval Air Station, San Juan. Commercial air carriers may not operate at this field without receiving specific authorization from the Chief of Naval Operations, Washington, D.C. The Commanding Officer NAS, San Juan, may grant permission for one or two isolated landings. In any case, proper authority must be obtained prior to landing at San Juan. Privately owned aircraft in a ferry status must obtain permission from the commanding officer before landing at Isla Grande Arpt.

CARIBBEAN AREA-RADIOBEACONS FOR USE WITH ADF: The following Coast Guard Radiobeacons now operate continuously in their assigned sequence, i.e., one minute on, two minutes off, 24 hours daily:

II San Juan 296 . - - . Lat 18-24-14 N, Long. 66-07-03 W
I Goat Island (Jamaica) 304 . . - . Lat 17-53-00, Long. 77-04-14 W
I Trinidad 308 - - - . Lat 10-41-23 N, Long. 61-44-44 W

It is requested that all ships and aircraft using these beacons submit comments to the Commander, 10th Coast Guard District, Arsenal, Marina, San Juan, P.R., as to usefulness with ADF equipment, bearing accuracy obtainable, maximum usable range, ease of identification, etc.

VILLA LANDING FIELD, ANTIGUA, B.W.I., CLOSING OF: The Villa Landing Field at Antigua, B.W.I. has been abandoned, and is no longer available for aircraft use.

PRE-FLIGHT SERVICE: Pilots desiring to file flight plans are requested to do so with any CAA Airway Communication Station by personally visiting the station or by telephone. Radio should be used for filing flight plans only as a last resort. Pilots are urged to visit communications stations to obtain authentic flight information and assistance in planning their flights. Personnel at these stations are trained to render flight planning assistance. An objective of CAA pre-flight service is to encourage pilots to familiarize themselves with flight conditions prior to commencing cross country flight.

NOTICE TO ALL FLYING PERSONNEL: Because of the increase in aircraft operations, both civil and military, in recent months, the number of complaints regarding airplane noise nuisance has reached such proportions that the advancement of aviation and development of new airports are in danger of being severely retarded. To reduce the number of such complaints, it is requested that the following practices be put into effect by all fliers:

1. Discontinue all unnecessary low flying.
2. When weather and traffic volume permit, increase altitudes of all traffic patterns that require flight over inhabited areas.
3. Re-route channels of approach and departure to avoid residential and business districts whenever possible.
4. If the airport is located near inhabited areas, reduce power and increase pitch of propellers as quickly as possible during take-off so as to keep engine and propeller noises at a minimum.
5. Keep rpm's set at a minimum required operational setting when low flying over populated areas is necessary.

LOW FLIGHT OVER FUR RANCHES: Numerous complaints have been received regarding low flying over fur ranches. This low flying, especially during mating season, has resulted in very definite dollar and cents losses to fur breeders. They request that pilots avoid flying over their ranches, particularly at low altitudes, stating that the ranches can be identified by the large number of small animal inclosures or pens.

AIRPORT APPROACH ZONES AND AIRPORT TRAFFIC ZONES CFR MINIMA: Part 60 specifies that CFR traffic within Airport Traffic Zones or Airport Approach Zones must maintain 500' vertical and 2000' horizontal separation from the clouds unless given traffic clearance by the control tower or control center concerned. Even under such clearance CFR flights must remain clear of clouds. These airport traffic zones and airport approach zones are indicated on the Flight Planning Charts of the Airman's Guide, and all recently revised Coast and Geodetic Survey Aeronautical Charts. In the interest of safety CFR flights must maintain the 500' and 2000' minima specified above while in these circular charted zones. (see page VIII of this publication for air traffic control procedures and weather minima).

ACTIVATION OF NEW YORK OCEANIC ATC CENTER: Effective Nov. 15, 1946, New York Oceanic ATC Center activated ATC in all navigable airspace within that portion of the Atlantic Ocean bounded on the N by lat. 43°00'; on the E by long. 45°00'; on the S by lat. 30°00', and on the W by the E Coast of the United States To facilitate movement of traffic, New York Oceanic control center has apportioned certain sectors of this area and delegated responsibility, therefore, to Boston, New York, Washington, Jacksonville, Domestic ATC centers and the Bermuda approach control center The sectors designated are: Boston, bounded on the N and W by lat. 43°00' and the E coast; on the E by a line 100 nautical miles equi-distant from the coast or long. 67°00' whichever is less, and on the S by lat. 41°30'; New York bounded on the W by the E Coast; on the N by lat 41°-30; on the E by a line 100 nautical miles equi-distant from the coast, and on the S by lat 39°-30. Washington bounded on the W by the East Coast; on the N by lat. 39°-30; on the E by a line 100 nautical miles equi-distant from the Coast and on the S by lat. 34°-40. Jacksonville bounded on the W by the East Coast; on the N by lat. 34°-30; on the E by a line 100 nautical miles equi-distant from the Coast and on the S by lat. 30°-00. Bermuda 150 nautical mile radius of Kindley Field. Air traffic control will be effected in accordance with procedures promulgated by the Provisional International Civil Aviation Organization (PICAO) and New York Oceanic Air Traffic Control Center operations letters insofar as known air traffic and available communications facilities permit. All aircraft to be operated within this area shall file a flight plan during instrument flight rule conditions or when proceeding beyond 100 nautical miles from the Coast Line. Aircraft shall establish and maintain a continuous listening watch on wireless telegraphy with the air/ground station at New York or Bermuda except when maintaining a continuous listening watch by radio telephone.

NEW YORK OVERSEAS FOREIGN AERONAUTICAL STATION: Effective Dec. 4, 1946, the broadcast of navigation reports by WSY changed times of transmission and added the frequencies as follows: at 0200, 0400, 0600, 0800, 1000, and 1200 GMT broadcast is made simultaneously on 3380, 8720, and 12395 kcs. At 1400, 1600, 1800, 2000, 2200, and 2400 GMT broadcast will be made simultaneously on 3380, 5960, 8720, 12395 and 16250 kcs. Form and contents of broadcast remain unchanged. Concurrently, the hourly metar and notam broadcast are transmitted at 55 mins. past each hour between the hours of 0055 through 1155 GMT on 3380, 8720, and 12395 kcs. and between the hours of 1255 and 2355 GMT on 3380, 5960, 8720, 12395, and 16250 kcs. Contents of the metar and notam broadcast remain unchanged. The broadcast at 25 minutes past each hour was discontinued. Comments concerning the effectiveness of the above services will be appreciated.

NEW PRIVATE FLIER FREQUENCIES: About Dec. 15, or shortly thereafter, all CAA Communications Stations will begin to guard 122.1 mcs and CAA operated towers 122.5 mcs. These are the new frequencies assigned for private fliers' use for Air-ground Communications. Jan. 1, 1947, the guard on 131.9 and 131.7 will be discontinued.

GUARDING OF 3117.5 KCS BY CAA AIRWAY COMMUNICATIONS STATIONS: All airway communications stations located at points also served by CAA airport traffic control towers discontinued continuous listening watches on 3117.5 kcs. Hereafter, communications stations at these locations will establish watches on 3117.5 kcs upon "request" and during such hours as the associated tower is closed.

OPERATION OF SEAPLANES ON THE NEW YORK STATE CANAL: An official complaint has been received from the State of New York, Department of Public Works, that the New York State Canal channel is being used for the taking off and landing of aircraft. This channel is very narrow and has numerous curves. The taking off and landing of aircraft on this channel, therefore, is dangerous and presents a hazard to canal traffic and small boats. All airmen are cautioned that such activities may constitute careless or reckless operation of aircraft.

OBSOLETE INSTRUMENT APPROACH AND LANDING CHARTS: The Instrument Approach and Landing Charts listed as follows have become obsolete and

hazardous to flight. All copies dated as indicated, or with prior dates, should be destroyed: (1) AL-204, Indianapolis (Stout), Ind, dated Sept. 16, 1946. (2) AL-246 and 246A, Manchester (Grenier), N.H., dated Oct. 2, 1946. (3) AL-423, Tonopah, Nev., dated Sept. 4, 1946. (4) AL-497, Knobnoster (Sedalia AAF), Mo., dated March 26, 1946. (5) AL-512, Clovis, N. Mex., dated Sept. 5, 1946.

AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: (a) Correct "TO-08-15-3", page 138, by showing the contact course from Washington National Airport to Andrews Field as 114°.

(b) Correct aeronautical charts to show 269 kcs. as the transmitting frequency of the Bridgeport Conn. control tower.

(c) Correct Flight Chart 217, dated Sept. 13, 1946, by changing the S leg of Memphis, Tenn. radio range from 259 degrees to 359 degrees.

WEATHER REPORTING SERVICE

Weather Reporting Station	Type of Station		Lat. Long.	Elev.	Effective Date
Kearney, Nebr. (AAF)	Hourly	Closed			11-15-46
La Grande, Oreg. (La Grande Airport)	Hourly	Closed			12-5-46
Los Angeles, Calif. (Van Nuys Metropolitan Arpt)	Hourly	Closed			10-20-46
Fort Knox, Ky. (Godman Field)	Pibal	Opened	37°54' 85°58'	748'	11-25-46
Millville (Vineland), N.J. (Municipal Airport)	Hourly	Opened	39°22' 75°04'	68'	12-6-46

DISCONTINUANCE OF CERTAIN OPERATIONS AT CAA COMMUNICATIONS STATIONS: (A) The following CAA communications stations will discontinue all operations (all voice or code communications, weather reporting service, radio receiving watches), except radio range or homing facilities (all H and MH facilities will operate continuously without voice), on the following dates: McCool, Ind. - 12-28-46; Custer, Mont. - 12-5-46; Ashley, N.D. - 12-28-46; Archbold, Ohio - 12-28-46 ; Alice, Tex. - 12-18-46; Clarendon, Tex. - 12-18-46; Navasota, Tex. - 12-18-46; Palacios, Tex. - 12-18-46; Yoakum, Tex. - 12-18-46; Milroy, Ind. - 12-28-46.

(B) The following CAA communications stations will be shut down and all facilities discontinued on the following dates: Evergreen, Ala. - 12-15-46; Gooding, Idaho - 12-5-46; Malad City, Idaho - 12-5-46; Strevell, Idaho - 12-15-46; Lamoni, Iowa (T) - 1-1-47; Montezuma, Iowa - 1-1-47; Cassoday, Kans. - 1-1-47; Coffeyville, Kans. - 1-1-47; Warsaw, Ky. (T) - 12-28-46; Cadillac, Mich. - 12-28-46; St. Ignace, Mich. - 12-28-46; Lake City, Minn. - 12-28-46; Big Springs, Nebr. - 1-1-47; Overton, Nebr. - 1-1-47; Golva, N.D. - 12-28-46; Arlington, Oreg. - 12-5-46; La Grande, Oreg. - 12-5-46; Ontario, Oreg. - 12-5-46; Cherry Fork, Ohio - 12-28-46; Port Clinton, Ohio - 12-28-46; Anton Chico, N. M. - 12-18-46; Anderson, S.C. - 12-15-46; Lane, S.C. - 12-15-46; Philip, S.D. - 1-1-47; Spearfish, S.D. - 1-1-47; Sulphur Springs, Tex. - 12-18-46; Easton, Wash. - 12-5-46; Kelso, Wash - 12-9-46; Stevenson, Wash. - 12-9-46; Tylertown, Miss. (T) - 12-15-46

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms floods, etc.) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

N.B.

AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with 2-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields and before taxiing and taking off, should be on the alert for and be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest or Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons coupled with flashing red code lights, indicate suspension of CFR traffic.

AIR NAVIGATION AID DATA

All radio facilities except towers are CAA facilities unless otherwise cited. All towers are listed by operating agency. All range bearings are magnetic in-bearings. All fan markers and station location markers operate on 75 mcs. All radio facilities operate continuously unless otherwise specified.

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

[redacted]

ANNISTON-RADIO: About Dec 15, homing facs will be decomm. Teletype and weather facs will continue in oper. (11-18)

ANNISTON AAF-Temp inactive-no facs. (See Special Notice re use)

**BATES FLD (MOBILE)-36'' rot. bcn, bndry, range, ctc, obst lgts. Ctc lgts on req. (10-3). See page 128.

BIRMINGHAM ARPT-Closed to civil. acft not equipped with operating rcvr. No landings on sodded areas. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. No svcg mil acft 2200 to 0600. No maintenance.(10-9)

BROOKLEY FLD (MOBILE)-RADIO: Army DF (HF) stn inop on all HF. (12-9) FLD: Soft-use rnwys, taxi strips only. No 91 oct. (10-4)

CAMP SIBERT AAF (ATTALLA)-CLOSED TO ALL ACFT.

CENTRE ARPT-Avail. lgt acft only in wet weather. (12-3)

CHASTAIN'S ARPT (PRICHARD)-2600' of E/W strip avail., mrkd. (11-2)

CRAIG FLD (SELMA)-Bndry lgts inop. (11-2)

DANNELLY FLD (MONTGOMERY)-NE taxi strip closed (parked acft) (8-12)

GREENVILLE ARPT, SITE 24, NO-AG, E 400' E/W rnwy unsafe (high grass) (9-2)

GUNTER FLD (MONTGOMERY)-RADIO: Army twr temp suspended. (5-16) FLD: Use rnwys only. Sod areas adj rnwys and taxi strips soft. (11-20)

[redacted]

HUNTSVILLE-Bombing and mortar firing is being conducted within the following described area: beginning at the Tennessee River Channel at lat 34-34-30, long. 86-44; due N to Southern RR; easterly along RR to long 86-42; due S to said river; SW along river to point of beginning.
MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi S looks like arpt and lgts give impression of parallel rnwys. (10-17)
MUSCLE SHOALS ARPT-Fuel avail. civil. acft only. (8-1)
NAPIER FLD (DOTHAN)-Avail. civil. acft in emerg only. (8-6)
OZARK AAF-Temp inactive-no facs. (See Special Notice re use).
PRYOR FLD (DECATUR)-Mun. opers and acft sto depot. No collect calls or telegrams accepted by sto depot. (6-22)
TUSCALOOSA ARPT, SITE 59, FV-AG-Extreme NW end fld soft in wet weather. (12-2)
TUSKEGEE AAF-Closed - emerg use only.
TUSKEGEE INSTITUTE FLD NO. 1 (TUSKEGEE)-Soft spots after heavy rains. (11-2)

ARIZONA

ASHFORK INT, SITE 36A, LA-AQ-Rough. (9-19)
COCHISE INT, SITE T-3, PH-EO-Rough. Tall grass in spots on fld. Ctn when landing and taxiing. (9-20)
COOLIDGE ARPT-Closed-emerg. use only.
DATELAN AAF-Temp inactive-no facs. (See Special Notice re use).
DAVIS-MONTHAN FLD (TUCSON)-E fld closed-acft parked on rnwys. Blinding ceilometer projector W end fld half way between ends of NW/SE, E/W rnwys. Rnwy 17-35 closed. (11-27)
DEEP LAKE INT, SITE 54A, LA-AQ-Soft. E end E/W, N end N/S strips rough. Equip. on fld days. (11-11)
DOUGLAS AAF-Temp inactive-no facs. (See Special Notice re use)
ECHEVERRIA FLD (WICKENBURG)-Use rnwys only (parked acft)
ERNEST A. LOVE ARPT (PRESCOTT)-Use wind tee SW of apron. (9-20)
FALCON FLD (MESA)-Closed to trans acft-no facs. (9-19)
FLY FLD (YUMA)-800 ft. left traffic pattern all rnwys. Avoid local traffic days. Parking rstd to W side of fld. (10-16)
FREDONIA ARPT-High weeds, cattle on strips. (9-3)
GILA BEND AAF-Tetrahedron inop. (8-26)
HOLBROOK MUN. ARPT (HOLBROOK)-CLOSED (rough)- (6-13)
INTERNATIONAL ARPT (DOUGLAS)-Temp closed (const) (6-17)
KINGMAN ARPT-No inst flights cleared to Kingman. No obst lgts atop Haulpai Mtn. (8500 ft MSL) 11 mi S. Rnwy lgts Rnwy 17-35 inop. (7-12)
LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. (9-19)
LUKE FLD (PHOENIX)-Temp inactive-no facs. (See Special Notice re use). Traffic direction indicator on second hangar from N. (11-22)
MARANA AAF-CLOSED. (9-9)
NOGALES INTERNATIONAL ARPT (NOGALES)-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld soft and rough due to heavy rains and erosion. (10-11)
**PARADISE ARPT (GLENDALE)-Will hereafter be carried under Phoenix, Ariz. (10-31)
See page 85.
PHOENIX-Inst. train. on Phoenix Range between 5500' and 9500'.
RYAN FLD (TUCSON)-Use rnwys only, bal fld soft in wet weather, parked acft. Washes N edge. (8-8)
SKY HARBOR ARPT (PHOENIX)-Const in area E of N/S and S of E/W rnwys. (10-23)
THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only. (parked acft).
TUCSON ARPT-Trans acft desiring to use fld after 2100 will give 2 hrs advance notice in order that lgts may be turned on. (11-13)

[redacted]

WILLIAMS FLD (CHANDLER)-Use rnwys only.
WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed. (10-31)

ARKANSAS

ADAMS FLD (LITTLE ROCK)-Use rnwys only-shoulders soft. Equip. on fld. Closed to trans mil acft 1800 to 0800. (11-6)
EL DORADO-RADIO:VHF range will be comm soon at lat 33-17-00, long. 92-46-00. Freq. 109.1 mcs, ident "LD" (.- . . - . .) Visual courses: 45°,225°; Aural courses: 135°, 315°, courses mag and towards stn. Mag. var: 7°E. Stn class: VARW (12-9)
EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg. only. (9-17)
GRIDER FLD (PINE BLUFF)-Use strips only (parked acft). Closed ngts. (6-7)
HELENA-Two unlgtd 405' twrs crossing Miss. River at S edge City. (11-7)
JONESBORO ARPT-Use rnwys only. (8-16)
LITTLE ROCK-RADIO: About Dec 13, NE and NW courses will be realigned to 218° and 112°. (11-29)
LUXORA INT, SITE 39, NO-LS-30' unlgtd pole line being erected S end N/S rnwy. (9-27)
McGEHEE ARPT-Cattle on fld intmtly. (9-6)
McLAUGHLIN ARPT (HOT SPRINGS)-RADIO: Mobile Army twr transmits on 4420 kcs and receives on 4495 kcs only. (9-11) FLD: Use ctn when landing and taking off. Crash and fire fighting equip. avail. 0800 to 1600 Mon. thru Fri only. (9-23)
PINE BLUFF-RADIO: Oct. 26, VHF range flight-checked and comm on cont oper. on an exper status only, because of no facs to control or monitor range. Lat 34-14-48, long. 91-55-36. Freq. 108.7 mcs. Ident. "PL" Visual courses: 13°, 193°, aural courses: 103°, 283°. Stn class: VARW. Mag. var. 7° E. This corrects "Airgl", Vol. 1, No. 15.
**TEXARKANA ARPT-150' twr of Rdo Stn KTFS, erected 5 mi SW (243°T) at lat 33-25-26, long. 94-04-50, lgtd at 50' levels and flash. lgt at top. (11-11)
THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only (parked acft).
WALNUT RIDGE ARPT-Acft parked all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0800. NE/SW rnwy closed. (11-21)

CALIFORNIA

ALAMEDA NAS-Maintain high approach on Rnwys 26L and 22. Heavy acft parked these these areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility: Lgtd dredge and pipe extending to shore operating 1/2 mi S of lagoon in seadrome. Equipment adj to and on rnwys. Fld on positive control. (8-16)
ALTA, BCN SITE 132 MI. BLINKER, SF-SL-Will be perm discont during the period Dec. 10 to Dec. 20. (11-22)
AMERICAN LEGION ARPT (SALINAS)-CLOSED (12-5)
ARCATA ARPT-Closed to acft without 2-way radio unless prior approval rcvd from Stn Director. Incoming acft must file flight plan. Use surfaced areas only. (10-2)
AUBURN PEAK, BCN SITE 103, MI. BLINKER, SF-SL-Will be perm. discont during the period Dec 10 to Dec. 20. (11-22)
BAKERSFIELD-KERN CO. ARPT (BAKERSFIELD)-Unlgtd 92' pwr line 1/2 mi N of bndry. (11-1)
BELMONT-RADIO: About Dec. 26, compass lctr will be decomm and relctd NW of the San Francisco Arpt, exact lctn to be published later. (12-7)
BELMONT ARPT-Avail. at pilots risk (equip). NW end Rnwy 28 closed. (4-23)
BRAWLEY ARPT-Holes in extreme NW corner fld. (3-20)
BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs).
BURBANK-RADIO: Intermittent interference from Navy transmissions on adj channel of 245 kcs. (5-23)
BURBANK-LOCKHEED AIR TERMINAL-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN. Right traffic use Rnwys 7, 15; left traffic use Rnwys 25, 33. Approach lgts Rnwy 7 changed to red. Lgts on approach to Rnwy 7 partially obstructed by trees. 2-way radio required all acft. (8-2)

CAL AERO ARPT (ONTARIO)-Use rnwys only (parked acft)
CANNON FLD (FRESNO)-Landings from SE and take-offs to SE prohibited. (11-6)
★CASTLE FLD (MERCED)-RADIO: Army twr recomm. See page 52. (12-3) Army air ground stn temp inop. (11-25) FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.
CATES, BEACON SITE 235 MI. BLINKER, SF-SA-Beacon inop. (2-17)
CLEAR LAKE SEAPLANE BASE-Avail. in emerg. only. (6-11)
COLFAX HILL, BCN SITE 112 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)
COMPTON CENTRAL ARPT (COMPTON)-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (10-26)
CONCORD ARPT-CLOSED EXCEPT IN EMERG; (10-30)
CORCORAN-135' unlgtd twr being const adj Santa Fe RR, downtown Corcoran. Upon completion will be 148' high and lgtd. (2-24)
COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (6-11)
CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs).
DANVILLE, BCN SITE 12 MI. BLINKER, SF-SL-Will be perm. discont. during the period Dec. 10 to Dec. 20. (11-22)
DEL MAR ARPT-Right traffic at 600' with prevailing westerly winds. (10-10)
DESERT CENTER INT, SITE 17, LA-PH-E/W strip emerg use only. (9-19)
DONNER SUMMIT, BCN SITE 15, SF-SL-Bcn inop. (11-26)
●EL CENTRO NAS-Lgts E/W rnwy inop. Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. (6-24)
EL TORO MCAS-Fld carrier landing practice Rnwy 25L. Trans acft use Rnwy 25R when practice in progress. (11-15)
**FAIRFIELD-SUISUN AAF (FAIRFIELD)-RADIO: Army range unreliable, use for homing only. (9-30) FLD: High intensity rnwy ctc and approach lgts avail. (11-14) See page 48. First 1000' Rnwy 25, new Rnwy 21, closed. (8-22)
GARY FLD (BLYTHE)-Use rnwys only (parked acft).
GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000' (6-1)
HAMILTON FLD (SAN RAFAEL)-Exten to Rnwy 12 closed except in emerg. (10-18)
HAMMER FLD (FRESNO)-Temp inactive-no facs. (See Special Notice re use).
HARMON FLD (SAN JACINTO)-Traffic pattern 2200' indicated or 600' above ground. Left pattern when taking off to NE-right pattern to SW. (10-28)
HASTER FARM OLF (GARDENGROVE)-Closed to all civil. acft except in emeg or on approval of the CO. (11-8)
HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Arpt.
HOBERG ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)
HOLTVILLE ARPT-Closed-emerg use only.
HORSE FARM OLF (LOS ALAMITOS)-Closed to all civil. acft except in emerg or on approval of the CO; (11-8)
HUMBOLDT CO. ARPT (EUREKA)-Closed to trans acft-const. Obst lgt atop N 350' radio twr approx 11 mi SSW inop. Twrs being dismantled. (10-29)
INDIO-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-22)
INYOKERN NAF-Use in emerg only (caretaker status-no facs).
LINDBERGH FLD (SAN DIEGO)-Army temp inactive-civil. facs. Acft departing for or arriving from Mexico land at Lindbergh Fld for customs clearance. Closed to cast without 2-way radio unless prior approval rcvd from Arpt Manager. (12-6)
LIVERMORE NAS-Avail. emerg use only. (10-1)
LIVERMORE OLF-Obsts in SW corner fld. (2-4)
LOCKHEED AIR TERMINAL-See Burbank.

LONG BEACH ARPT-Obst lgts atop 165' twr Radio Stn KVOE 15 mi ESE (107°) true inop. No 91 oct mil acft. Ltd svcg. No maintenance. Const entire N bndry fld, mrkd. Ctn landing Rnwys 16R, 16L (12-9)
LOS ALAMITOS NAAS-Closed 1730 to 0800 except in emerg. Rnwy 22L closed. (9-1)
LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl Area from 2000 to 2300 daily. (7-26)
★LOS ANGELES-RADIO: Dec 8, rcvg facs and distant control of range separated from Burbank at Lockheed Air Term. and estab at Los Angeles Mun. Arpt in new service bldg on N side of fld. All voice and air-ground communications with Los Angeles Radio will be handled from the new lctn. (12-9)
VHF voice fac comm at communication stn Dec. 8, Transmits on and gds 116.1 mcs cont. Stn class: SBRA2-VDTX. VHF range comm Dec. 5, at lat 33-56-35 long. 118-25-49. Var. 16°E. See pages 81, 137.
★LOS ANGELES ARPT-MINES FLD (LOS ANGELES)-RADIO: CAA twr now trans mits on 272 kcs, 118.9, 126.18 mcs. Gds (4); 126.18, 118.9, 131.9 mcs. (12-8) About Dec. 12, approach control service will be inaugurated. Acft will ordinarily be cleared by the Los Angeles Airway Traffic Control Center to the Downey FM, 11 mi E of the Los Angeles Range stn, to hold between Downey an and a point 2 minutes E,until further advised by Los Angeles Approach control on 260 kcs. (11-27). Twr will transmit on 272 kcs, 118.9, 126.18 mcs. Will guard (4); 126.18, 118.9 and 131.9 mcs. FLD: Unlgtd oil derricks on approach to Rnwy 34. Rot. bcn unlgtd days. E/W paved strips S side fld avail. taxiing only. N side fld under const. Equip. on fld, N edge Rnwy 7L-25R, N side fld adj Rnwy 4-22, and W side N/S rnwy. All landings, take-offs and taxiing rstd to paved areas. Rnwys 11-29, 4-22 closed. Army temp inactive civil. facs Rnwy, taxiing lgts Rnwy 4-22 inop. Obst lgts atop twr N side fld inop. (12-6)
LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs advance notice should be given if possible. (7-1)
MACHADO ARPT (SANTA MARIA)-Use strip only. (8-15)
★MARCH FLD (RIVERSIDE)-RADIO: DF (VHF) fac now in oper 0730 to 1630 Mon. thru Fri. Call sign-March Homer. Freqs guarded 139.32 mcs primary; 138.42 mcs secondary, upon req for practice homing. (12-3)
FLD: Rnwy 7-25 closed-avail. on twr permission only. (10-25)
MATHER FLD (SACRAMENTO)-RADIO: Army ILS temp inop. (10-22)
FLD: Use rnwys only-mat unserviceable. N/S rnwy closed. (12-4)
McCLELLAN FLD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders, unsurfaced areas unsafe. (10-17)
MERCED MUN. ARPT-Rnwy 30 avail., bal rnwys, taxi strips closed. Equip. on Rnwy 30-will be removed for scheduled traffic. (10-16)
MILE SQUARE FARM OLF (SANTA ANA)-Closed to all civil. acft except in emerg or on approval of the CO. (11-8)
MINTER FLD (BAKERSFIELD)-Temp inactive-no facs. (See Special notice re use).
MIRAMAR MCAS (SAN DIEGO)-Rnwy 10-28 under const. Rnwy 6-24 avail. Fld on positive control. All acft in San Diego area use ctn while approaching Miramar MCAS; (3-19)
MOFFETT NAS-LTA (MOUNTAIN VIEW)-Equip, trenches adj NW/SE rnwy. Ctn landing, taxiing, taking-off. Equip. on fld. Fld on positive control. Multi-engine acft above JRB class use Rnwy 14L-32R only, except in emerg. (7-23)
MONTEREY PENINSULA ARPT (MONTEREY)-Right traffic pattern in use.(11-22
★MUROC AAF-RADIO: Army range facs unreliable and to be used for homing and training purposes only. Weather bdcast at 29 minutes after hr.

FLD: CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN. Lctd within a danger area. 50' equip. near W end Rnwy 6-24. No 91 oct. No facs 1900 to 0700 or Suns. (10-22)

NAPA SKY RANCH ARPT (NAPA)-Under const. (7-10)

NORDEN, BCN SITE 156 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)

OAKLAND-RADIO: 116.1 mcs transmitter and receiver temp inop. (9-13)

OAKLAND ARPT-RADIO: Soon, lclzr fac will be shut down for modification. A port. lclzr will be placed in oper temp on 109.5 mcs. Concurrently, a glide path component will be operating temp on 332.6 mcs. FLD: Naval acft avoid fld except on off. bus. Rock surface area between E and W taxiway and Rnwy 27R avail. lgt acft. Take-off from center of area, adhere to instructions issued by twr. Taxiway leading from Rnwy 33 to ramp at Navy Terminal closed. Equip. on grass area W of Rnwy 24 ngts. Area under const marked. No gas or maintenance facs avail. 1800 to 0800 except in emerg. Ltd gas, maintenance facs 0800 to 1800. Closed to civil acft except on authority Arpt Superintendent. Rnwy 6-24 avail. lgt acft-avail. heavy acft for taxiing only. Equip. on N taxiway and E approach to Rnwys 27R and 27L. (12-3)

O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only. Strip muddy when wet. (11-5)

ORLEANS FOREST FLD (ORLEANS(-Fence across N end of fld. (8-14)

**PAIVA INTERCITY ARPT (PARLIER)-230' twr of Rdo Stn KRDU erected 8 mi ESE (110°T) obst lgtd. (11-14)

PLACERVILLE ARPT-Avail. emerg only. Strip rutted-not maintained. (9-21)

RAMONA ARPT-Hump in center of strip. Acft at one end of strip cannot see acft at other end. (7-24)

RED BLUFF-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-18)

ROCKLIN, BCN SITE 93 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)

RYAN FLD (HEMET)-N side matted area rough. (5-2)

SACRAMENTO-RADIO: 116.1 mc transmitter and rcvr temp inop. Range appears unreliable, all courses subject to swing max 4° during fog. (12-6)

SACRAMENTO ARPT-Acrobatics, low flying days from flight strip 1000' W of Sacramento Arpt. NW/SE rnwy avail. days. Use rnwys, taxi strips only-shoulders and fld soft. Unsafe small acft-rough. (12-10)

SAGE, BCN SITE 114 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)

SALINAS-RADIO: VAR range will be comm soon at lat 36-42-28, long. 121-38-53. Ident. "SB" Freq 109.1 mcs. Bear. and dist, stn to fld: 124°, 3.4 mi. Visual courses: 122°, 302°. Aural courses: 32°, 212°. Class: VARW. Var. 17°E. (11-13)

SAN BERNARDINO CO. ARPT (DAGGETT)-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. (11-12)

SAN DIEGO NAS-Traffic circle oval in shape with left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing thru Point Love (White Pyramid Buoy) unless directed by twr. Point Love (White Pyramid Buoy) is lctd on traffic pattern 1-1/2 mi S of Hotel Del Coronado. Acft crossing air traffic lanes at North Island must be above 1500'. Acft will not fly over Coronado or Amphibious Train. Base at an alt of less than 1500'. Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (9-26)

SAN FRANCISCO ARPT-Two lines unmrkd white spar buoys 8' above water moored in NW/SE direction along edges of shipping channel adj to easterly side of Seaplane Area and extend SE therefrom. Anchored vessels in shipping channel between lines of buoys. Vessels unmrkd and will be lgtd only as required. Avoid rnwy, taxiway shoulders. Turf area closed, unmrkd hazards. Use rnwys, taxiways. Rnwy 14-32 closed. (9-30)

SAN MATEO ARPT-Const. Avail. lgt acft only. (11-1)

SAN NICOLAS ISLAND NAAS-Use in emerg only (caretaker status-no facs).

SANTA BARBARA-RADIO: About Dec 15, VHF range will be comm at lat 34-25-40 long. 119-52-26. Freq. 108.3 mcs. Ident. "OY" Visual courses: 96°,276°; aural courses: 6°,186°. (11-8)

SANTA BARBARA ARPT-Approach and ctc lgts Rnwy 15,33 inop. Equip. on rnwys. (12.7)

SANTA MARIA AAF-Stay clear rnwy, taxiway sides. E/W rnwy closed. Temp inactive-no facs. (See Special Notice re use)

SANTA MONICA ARPT-CLOVER FLD (SANTA MONICA)-Avail. trans acft with 2-way radio. Closed ngts and to all student pilots. (8-10)

SECRET VALLEY, SITE 52, RV-ND-Soon, all lgts will be discont. Fld will be avail. days only. (11-22)

SHERMAN FLD (WALNUT CREEK)-Surplus Acft Sales Center-prkd acft.

SILVER LAKE INT, SITE 18, LA-SL-E quarter fld rough. (10-9)

SODA SPRINGS, BCN SITE 153 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec 10 to Dec. 20. (11-22)

**STERK'S RANCH ARPT (LANCASTER)-New fld. Lat 34-43, long. 118-06. (10-24)

See page 81.

★STOCKTON-RADIO: CAA range comm Nov 26, at lat 37-52-10, long- 121-11-09. Var. 17°E Ground-checked only. See page 48.

STOCKTON FLD-CLOSED-emerg use only.

SUMMER HOME ARPT (MANTECA)-Irrigation culvert being installed across middle of strip. (7-22)

SUMMIT PASS, BCN SITE 157 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec 10 to Dec 20. (11-22)

SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer NAAS Brown Fld. No communications at landing strip. (5-13)

TERMINAL ISLAND NAAS (SAN PEDRO)-Trans acft not cleared after sunset(9-4)

TRONA-RADIO: Receiving watches, voice fac and teletype service operating from 0600 to 2400.

TRONA ARPT, SITE 13, RV-ND-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (11-7)

VAN NUYS METROPOLITAN ARPT-Temp inactive-no facs. (See Special Notice re use). Avail. civil. acft providing they have off. bus. with one of the acft companies lctd on fld. Acft without radio may enter providing previous arrangements have been made with twr. (12-5)

VENTURA CO; ARPT (OXNARD)-Bdn, bndry, obst lgts inop. Battery operated. port. rnwy lgts avail. ngts in emerg or by prior arrangement. (11-4)

VERNALIS FLD-CLOSED (equip., obsts on rnwys, aprons. (8-15)

VICTORVILLE AAF-Use rnwys 16L-34R, 7R-25L, 3R-21L only. (11-13)

VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (9-16)

CANADA - See Page 28.

AKRON INT, SITE 9, DV-GI-Unsafe heavy acft. (12-8)

ALAMOSA ARPT-CLOSED (rnwys under const, fld lgts and bcn inop). (9-30)

ANTON-RADIO: Abt Dec 16 oper of VHF range will be suspended indefinitely. (11-22

ARLINGTON FLD NO. 4 (LA JUNTA)-Closed-emerg use only.

AURORA-RADIO: LFM fld pattern will be temp weak and distarted. (10-28)

BUCKLEY FLD (DENVER)-Temp inactive-no facs. (See Special Notice re use)

★DENVER-RADIO: Visual-aural courses of VHF range realigned to: visual: 81°, 261° and aural: 171°,351°. Courses flgt-checked and correctly aligned. This corrects "Airgi", Vol. 1, No. 18.

FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy. (9-29)

GRANBY ARPT-Ctn from Nov. until April-snow. (10-17)

LA JUNTA AAF-Temp inactive-no facs. (See Special Notice re use).

COLORADO

LOWRY FLD (DENVER)-RADIO: Army air to ground stn. inop. (11-20)
PINE VALLEY ARPT (COLORADO SPRINGS)-E rnwy of parallel N/S rnwys closed-being widened to 300'. E/W rnwy avail. between markers only. Heavy const. equip. on fld days. Use rnwys only. (11-2)
PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 38-17-28; S by lat 38-16-19; W by long 104-18-38; E by long. 104-17-40.
PUEBLO ARPT-Rot. bcn atop hangar when lgtd indicates fld closed except to scheduled air-carrier acft. (9-13)
PUEBLO AAB-Temp inactive-no facs. (See Special Notice re use)
RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (9-11)
ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (telephone lines) (6-11)
RUSTON FLD (DENVER)-Const. Strips soft during wet weather. (9-20)
RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.
SKY RANCH ARPT (DENVER)-RADIO: Municipal twr temp inop. (12-10) FLD: Right traffic Rnwys 26,30,36; left traffic Rnwys 8,12,18. Traffic controlled by tetrahedron. Avail. CFR oper days only. (3-27)
TRINIDAD ARPT-Strips avail. lgt acft. (12-3)
WALKER FLD (GRAND JUNCTION)-Filled ditches both sides of taxi strip extending from NW/SE rnwy rough and soft. (12-2)

CONNECTICUT

★BRADLEY FLD (WINDSOR LOCKS)-RADIO: Municipal twr comm Dec 4. See page 44. FLD: Use in emerg only. (9-10)
BRAINARD FLD (HARTFORD)-Equip. on fld intmtly. Turf closed to heavy acft-soft. 300' bldg under const 1-1/2 mi NW of fld bndry, close to NW leg Hartford Range. Flood lgts N end N/S rnwy inop. (10-31)
BRIDGEPORT ARPT-Use rnwys only. (8-2)
BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans student pilots. Const N end fld and on taxiway between fld and shop. (10-31)
GROTON TRUMBULL FLD (GROTON)-Rnwys being repaired. Equip. on fld. (10-1)
HAMMONASSETT FLYING FLD (MADISON)-Rough-not maintained. E/W strip avail. in emerg. Hangars under const. (9-16)
HARTFORD-RADIO: Auto. range monitor. sys inop. (9-30)
KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only. (9-10)
NEW HAVEN ARPT-Avail. days only. Use rnwys only. No local take-offs or landings during airline arvls and dptrs when signalman displaying red flag stationed at approach end of rnwy being used. (11-18)
**RENTSCHLER FLD (EAST HARTFORD)-Flashing code bcn on top twr now oper., flash. code PEH (. - - . . . - .) (11-26). Page 44. Obst lgt atop 220' tank 1/2 mi W N/S taxi strip inop. (11-26)

DELAWARE

BELLANCA FLD (NEW CASTLE)-Use rnwys only. Sod strips under const. (6-13)
DOVER AAF-Temp inactive-no facs. (See Special Notice re use)
HARRINGTON ARPT-Hangars under const. (3-14)
NEW CASTLE CO. ARPT (WILMINGTON)-Sod fld within bndrys of rnwys avail. lgt acft. (9-18)

DIST OF COLUMBIA

SPECIAL NOTICE-The Administrator of Civil Aeronautics has designated the Mt. Vernon National Monument a congested area. In accordance with C.A.R. 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat 38-42-40, long. 77-05-30.
SPECIAL NOTICE-TELEVISION TWR 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL ARPT, LAT 38-53-46, LONG. 77-08-05. (3-22)
ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset Avail. to transport traffic after sunset upon receipt of two hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd. (7-12)

DIST OF COLUMBIA

BOLLING FLD (WASHINGTON)-Rnwys 10-28,14-32 closed. Rnwy 17-35 closed to acft when weather conditions below ctc flight minimums. (10-15)
WASHINGTON NATIONAL ARPT (WASHINGTON)-ARMY: No Army acft will be cleared this fld without personal approval of CG AAF or Deputy Cmdr excepting those ATC acft on scheduled opers which require Washington National as Terminal: acft transporting VIP personnel such as Cabinet Members, Asst. Secretaries of War, and other personnel of like importance (for purpose this directive, mil personnel regardless of rank not considered VIP) and those acft based at Washington National. Army acft landing this fld should taxi to new ATC Terminal Bldg N of Admin Bldg. NAVY: Closed to Navy acft except NATS. Use Anacostia NAS. In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. GENERAL: Closed to acft without radio. Stay on paved areas-shoulders soft. Derrick with 35' boom N end fld between end of Rnwys 18, 15. Trenches in grass area same lctn. Equip. on fld. (11-19)

FLORIDA

ALBERT WHITTED ARPT (ST. PETERSBURG)-Fld unlgtd-smudge pots avail. on 1 hrs notice. Avoid sodded areas, white sand area E of N/S rnwy extending to water (soft). (1-2)
ALLIANCE FLD NO. 4 (MARIANNA)-Closed-emerg use only.
APALACHICOLA AAF-Temp inactive-no facs. (See Special Notice re use)
AVON PARK AAF-Temp inactive-no facs. (See Special Notice re use).
BANANA RIVER NAS-RADIO: Navy exper. VHF rnwy localizers and various types of ILS operate intermittently day, night. (5-2). FLD: Closed to civil. acft days except on prior permission from CO and in emerg-closed ngts except in emerg. S end Rnwy 2-20 under const. Various type acft practicing inst approach operating cont during IFR up to and including 2000' with weather minimums as low as 200' ceiling and 1/8 mi visibility. Air space includes area 20 mi radius from NAS. (10-31)
BANANA RIVER NAS SEAPLANE BASE-Seaplane landing area avail. W of stn on Banana River. Wind line consisting of seven green lgts on location in center of area ngts when training is scheduled. (7-11)
BOCA RATON AAF-Port floods avail. on 15 minutes notice. No 91 oct. Stay on rnwys-shoulders soft. (10-16)
BONITA SPRINGS, BCN SITE 12, TM-MM-Soon, 24" clear 6 RPM single end bcn with red course lgts flash. char "2" (. . -) atop 51' twr 1/2 mi N Bonita Springs and 19 mi SE Page Fld will be comm. (11-22)
BRONSON FLD NAAS (PENSACOLA)-Closed to all trans acft. (8-14)
**CROSS CITY ARPT-Bcn resumed oper. (12-4). See page 129.
★DALE MABRY FLD (TALLAHASSEE)-RADIO: Army DF sta decomm. (9-24). FLD: 26' bldg erected 900' NW of NW end NW/SE rnwy, lgtd. Observe twr E side fld for lgt signals. Bcn atop water tank S of fld inop. (12-4)
**DAVIS SEAPLANE BASE (ORLANDO)-New base. Lat 28-36, long. 81-24. (12-2) See page 144.
DINNER KEY CGAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10)
DREW FLD (TAMPA)-Use rnwys only. Equip. on fld days. Avail. to radio rcvr-equipped acft tuned to twr freq. (6-28)
**EGLIN FLD (VALPARISO)-RADIO: Army ILS sys temp inop. (10-29) FLD: High intensity rnwy ctc lgts installed. (11-14). See page 128. Acft approaching fld will enter area along right edge of S leg Crestview Range. (1)-Acft on CFR will fly 3000' or 500' below the ceiling whichever is lower, until cleared by Eglin twr. (2)-Acft on IFR will enter at last assigned airways cruising alt and ctc Eglin Twr for let-down instructions. Exten const. (10-29)
★ELLYSON NAAS-EAST & WEST FLDS (PENSACOLA)-RADIO: Navy twr decomm. (12-4). FLD: Closed to trans acft. Disposition delivery acft (landplanes) land at Pensacola NAS-Chevalier Fld. (11-22)

FORMAN OLF (FT. LAUDERDALE)-Use in emerg only (caretaker status-no facs).
FORT LAUDERDALE-Obst lgts atop N twr Radio Stn WGBS 8 mi W inop. (9-23)
FORT LAUDERDALE NAS-Avail. mil acft on off. bus. upon 24 hr. prior notice 0800 to 1630 Mon thru Fri, and in emerg. (11-13)
GILBERT FLD (WINTER HAVEN)-Use rnwys only. (11-4)
HIDDEN ACRES ARPT (CLARCONA)-E/W strip avail. lgt acft. (9-18)
HILLSBOROUGH ARPT (TAMPA)-CLOSED. Sinkhole center of E/W rnwy 100' E of intersection center of fld. (5-26)
HOEQUIST ARPT (ORLANDO)-S half E/W rnwy avail., mrkd. (3-20)
JACKSONVILLE ARPT NO. 1-Equip. both ends NE/SW rnwy. 30' unlgtd poles for neon approach lgt sys being erected at SW approach end NE/SW rnwy. (11-18)
JACKSONVILLE NAS-Closed to ngt seaplane opers. Trans acft desiring ngt landing facs notify Jacksonville NAS 12 hrs in advance. Equip. on fld days. (9-19)
KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (6-19)
LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500' Prevailing wind E to SE. (10-26)
LEE OLF (GREEN COVE SPRINGS)-Closed except in emerg and off. flights. Avail. on 24 hrs advance notice to CO, NAS Jacksonville. (1-26)
LEESBURG AAF-CLOSED TO ALL TRANS MIL ACFT EXCEPT UNDER WRITTEN ORDERS OF AN AIR FORCE, COMMAND OR HIGHER AUTHORITY OR IN EMERG. No facs.
MacDILL FLD (TAMPA)-RADIO: Glide path of Army ILS (SCS-51) temp inop. (6-19) Army H fac temp inop. (8-5) FLD: Rnwys 4-22, 13-31, 18-36 avail. Rnwy 18-36 closed ngts. (10-29)
MARIANNA ARPT-Equip. on fld days. Mrkd hole Rnwy 8-26. Rnwy 4-22 closed. (10-10)
MASTER OLF (MIAMI)-Closed from thirty min after sunset until 0700. (9-5)
MAYPORT CGAS-Closed to all traffic except Air Sea Rescue and emerg landings (caretaker status-no facs). Rnwys 32 and 36 to intersection closed. (9-27)
MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks E of S end Rnwy 4-22. (11-6)
MIAMI, BCN SITE 20, TM-MM-Soon, 24" clear single end 12 RPM bcn with red course lgts flash. char "0" (- -) atop 51' twr will be comm 22 mi W Miami at lat 25-45-36, long. 80-36-54. (11-22)
MIAMI INTERNATIONAL ARPT-AAF (MIAMI)-Domestic non-scheduled acft taxi to old Army Term. Bldg SE side fld upon arvl and prior to dptr and register with Ramp Supervisor. Scheduled air-carriers and International Acft requiring immigration and customs service use 36th St. Term. Trans International pilots advise twr before landing. Use rnwys only. NE/SW rnwy closed except to lgt acft in emerg. Equip. on fld intmtly days. Obstruction lgts on pole lines adj Seaboard Airline R.R. Shops between N and S flds inop. No svcg for military aircraft except in emerg or maintenance trans Army aircraft 2400 to 0800. (11-20)
★MIAMI NAS-RADIO: Navy twr decomm Dec 6. FLD: Acft remain on N leg Miami Range for distance of 25 mi N of range stn when passing Miami NAS. Stay clear of NW corner fld-fighter train. break-up area. Acft practicing touch and go landings ngts. Closed sunset to 0700. (11-15)
MILES CITY, BCN SITE 14, TM-MM-Soon, 24" clear 12 RPM single end bcn with red course lgts flash. char "4" (. . . .) atop 51' twr will be comm 1 mi S Miles City at lat 26-08-24, long. 80-21-54. (11-22)
MORRISON FLD (WEST PALM BEACH)-N/S rnwy closed. Air Rescue Service acft will be cleared into this fld. (11-1)
NORTH PERRY OLF (HOLLYWOOD)-CLOSED-no facs. (10-28)
NORTH POMPANO OLF (POMPANO)-CLOSED (no facs). (1-24)
OCHOPEE, BCN SITE 18, TM-MM-Soon, 24" clear single end 6 RPM bcn with red course lgts flash. char "8" (- . . .) atop 51' twr will be comm 24 mi E Ochopee at lat 25-50-06, long. 80-54-36. (11-22)

ORLANDO AAB-ORLANDO ARPT-Closed to acft exceeding 50,000 lbs except for use alternate destination by scheduled air-carriers. North E/W, West N/S rnwys closed. No 91 oct. No Army maintenance Sats and Suns and from 1700 to 0800 daily. (10-9) Radio controlled target ship in Pinecastle area 6 mi S of Orlando 0800 to 1200 daily Mon thru Fri. (7-1)
PAGE FLD (FT. MYERS)-NE/SW, NW/SE rnwy lgts, tetrahedron inop. Use E/W rnwy only at ngt. (9-14)
**PALM BEACH COUNTY PARK ARPT (LANTANA)-Rnwy lgts resumed operation. Fld lgtd until 2300. Lgts avail. btwn 2300 and daylgt by buzzing fld. (11-26). See page 136.
PENSACOLA ARPT-Ext Navy train. throughout area. Join pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest available taxi strip. Opers and svcg lctd brick hangar. (9-23)
PENSACOLA NAS-CHEVALIER FLD (PENSACOLA)-Avail. days only. Ngts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld, bear. 341° NNW. Disposition Delivery acft land at NAAS Ellyson Fld. Pilots desiring to land at Chevalier Fld contact Pensacola Navy twr before entering traffic pattern. (8-22)
PETER O. KNIGHT ARPT (TAMPA)-Equip. on fld days. Sodded areas unsafe heavy acft. Rnwy lgts avail. on 1 hrs notice between 1900 and sunrise. (10-1)
PINECASTLE AAF-Temp inactive-no facs. (See Special Notice re use). Radio controlled target ship in Pinecastle area 6 mi S of Orlando 0800 to 1200 daily Mon thru Fri. (10-18)
RICHMOND NAS-LTA-Use in emerg only (caretaker status-no facs)
RIDDLE FLD (CLEWISTON)-Heavy acft avoid lgt bar and rod steel mat. Twr oper only during scheduled flying. Unsafe areas partially mrkd days, unmrkd ngts. Cloud flying when clouds broken to overcast during daylgt hrs in area bounded by lat 26-27, lat 26-43, long. 80-50, long. 81-27. Use rnwys only. Grass areas flooded most of summer. (7-27)
★SAUFLEY FLD NAAS (PENSACOLA)-RADIO: Navy GCA unit, radio call "Peachck" comm. (11-25)
STENGEL FLD (GAINESVILLE)-Equip. on fld, mrkd. (5-24)
TAYLOR FLD (OCALA)-Use rnwys only. (5-8)
TITUSVILLE-COCOA ARPT (TITUSVILLE)-Hangars under const. (9-10
WHITING FLD NAAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" sloping curb at rnwy edges. Tetrahedron indicates rnwy in use and not wind direction. NE/SW rnwy lgts inop. (3-2)

ALBANY ARPT-Use rnwys only. (11-8)
ALMA INT, SITE 43, MM-AG-Unlgtd 40' hangar under const N edge NW/SE rnwy. (11-16)
ATHENS ARPT-Bndry, bcn lgts inop. (8-10)
ATLANTA ARPT-RADIO: Middle marker of CAA ILS lctd 3600' SE of SE end NW/SE rnwy, keyed with alternate dots and dashes will be comm soon. Outer marker will be relctd 4.5 mi SE of SE end NW/SE rnwy. (9-19) FLD: Const, equip. on fld intmtly. Use rnwys ngts. Closed to HB and VHB acft. Army temp inactive-civil. facs. Trans Army acft use Marietta AAF. Twrs of Radio Stn WSB 12 mi NE being dismantled, lgtd. (11-12)
ATLANTA NAS-RADIO: 142.74 mc transmitter at Navy twr temp inop. (12-9). FLD: Acft on IFR between 2000 and 0700 clear thru A.T.C. and proceed to Atlanta Arpt. Const equip. along rnwys. (5-10)
AUGUSTA-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-21)
BEMISS FLD NO. 3 (VALDOSTA)-Temp inactive-no facs. (See Special Notice re use)
BOWERS ARPT (BAINBRIDGE)-CLOSED (high weeds). (8-14)

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BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rnwys. Use rnwys only. Close flight plans with Bush Twr. (7-1)
CAMP STEWART AAF (HINESVILLE)-Temp inactive-no facs. (See Special Notice re use). Cattle on fld. (12-17)
CHATHAM AAF (SAVANNAH)-Temp inactive-no facs. (See Special Notice re use) Rot. bcn inop. (5-22)
COCHRAN FLD (MACON)-Temp inactive-no facs. (See Special Notice re use). Use rnwys, taxi strips only. (12-5)
COOK CO. ARPT (ADEL)-Lgts inop. (9-23)
**DANIEL FLD (AUGUSTA)-Three 310' and one 420' twrs 4 mi NW (323° T) for rdstn WGAC has been erected and lgtd. (11-29)
GLYNCO NAF-LTA-RADIO: Navy twr temp closed, operates on call on one hrs notice. FLD: Tetrahedron temp removed. (10-11)
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. 120' lgtd twr between Rnwys 10 and 15 outside outer perimeter. No taxiing permitted on ramp E of Terminal Bldg-congested vehicular traffic. Area being fenced off. (10-9)
KINGS ARPT (MILLEDGEVILLE)-Soft after rainy weather. (11-6)
LA GRANGE ARPT-Heavy acft use rnwys, taxiways only-grass areas soft. (12-27)
LAKEWOOD ARPT (ATLANTA)-Strips rough in spots. (10-9)
LAWSON FLD (COLUMBUS)-MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2 and 32. Right hand traffic Rnwys 14, 20, 27; left hand on Rnwys 2, 9, 32. (6-25)
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (8-6)
MARIETTA AAF-Ltd sto. Facs avail. 0800 to 2000. Rdo Stn WFOM erecting unlgtd 100' twr 2 mi WSW. (11-20)
MOODY FLD (VALDOSTA)-Temp inactive-no facs. (See Special Notice re use). 2 obst lgts atop Radio Stn WGOV inop.
PARKAIRE FLD (MARIETTA)-Emerg use only-const. (8-28)
ROBINS FLD (WARNER ROBINS)-No 91 oct. (7-17)
ROCKY FORD FLD NO. 1 (VALDOSTA)-Closed-emerg use only.
SOUTHER FLD (AMERICUS)-Use strips only-parked acft.
THOMASVILLE ARPT-Closed ngts-no lgts. (10-24)
TURNER FLD (ALBANY)-RADIO: Army air to ground stn temp inop. (11-20). FLD: Temp inactive-no facs. (See Special Notice re use). Use rnwys only. Rnwys 4C, 9R, 14C, 18L closed. (8-26)
VADA ARPT (BAINBRIDGE)-CLOSED (cattle on fld). (8-14)
VALDOSTA ARPT-Closed-emerg use only.
VIDALIA-LYONS AIRFLD (VIDALIA)-Temp inactive-no facs. (See Special Notice re use). Flight plans handled thru Turner Fld. (4-5)

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BENNETT FLIGHT STRIP (ANDERSON DAM)-Avail. for emerg use only. (5-7)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (11-19)
CAMAS CO. ARPT (FAIRFIELD)-NNW/SSE strip, hangar under const. (8-29)
COEUR D'ALENE AIR TERMINAL-Equip. on fld days. (10-19)
GOODING ARPT, new-Use rnwys only-sod unsafe (erosion). (9-20)
GOWEN FLD (BOISE)-Army temp inactive-civil. facs. Use rnwys, taxi strips only. shoulders soft. Blinding 30 million candle pwr ceilometer 1000' NNW of arpt bcn. (9-13)
IDAHO CO. ARPT (GRANGEVILLE)-NE/SW strip under const. (9-19)
IDAHO FALLS ARPT-Bcn inop. (11-19)

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MOUNTAIN HOME AAF-Temp inactive-no facs. (See Special Notice re use). N/S rnwy closed. Gravel area W edge approx 20' sq. soft.
POCATELLO ARPT-6' ceilometer projector in center of grass strip running parallel with Rnwy 5-23 and approx 75' S of rnwy at a point 500' W of taxi strip that intercepts Rnwy 29. (11-19)
POCATELLO AAF-RADIO: Army air to ground stn temp inop. (11-20). FLD: Temp inactive-no facs. (See Special Notice re use).
PRIEST RIVER MUN. ARPT-NNE/SSW strip under const. (7-1)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (11-5)

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ALBERTUS ARPT (FREEPORT)-Const. Equip. on fld. (10-29)
ASHBURN ARPT (CHICAGO)-Avail. lgt acft under 2000 lbs only. Landing fee for heavier acft $2.00 and up. (7-25)
AURORA ARPT-Use strips only. (9-28)
CASEY ARPT-S 1000' N/S strip being graded. (10-31)
CHANUTE FLD (RANTOUL)-Ltd parking. (10-28)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const). (9-23)
CHICAGO ARPT-NE/SW rnwy closed, unlgtd (parking area). Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Terminal Bldg on arvl and check out on dptr. Floodlgts available on request. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the aircraft. Minimum charge $2.00. Fee payable at Airport Superintendent's Office before take-off. All numerals and letters on Runways 13L, 13 R lighted nights. Hangar under const N side field just E of NW corner. Caution when taxiing. Covered ditch adj Runways 27L, 31R, marked. Ditch on E side Rnwy 36R, mrkd. (12-6)
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. Watch for Scott Fld traffic. (11-8)
**DECATUR ARPT-Correct location: lat 39-52-30, long. 89-01. (12-4). See page 68.
DECATUR PARK DISTRICT ARPT (DECATUR)-Use rnwys only. (11-26)
GALESBURG ARPT-Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)
GEORGE FLD (LAWRENCEVILLE)-CLOSED (no facs). (5-15)
GLENVIEW NAS-Prior approval required all acft expecting to RON except off. bus. regularly scheduled NATS or NATSFWS flights. Equip. on approaches. Non-radio equipped acft land on mats only. Closed ngts except in emerg or by prior arrangement. (7-8)
INTERSTATE ARPT (DE KALB)-CLOSED. (5-11)
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (7-18)
**LA SALLE CO. ARPT (UTICA)-ABANDONED. (11-25)
MARION ARPT-Ext. train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. (9-6)
**MATTOON ARPT-220' Rdo Twr Stn WLBH erected 4.5 mi NW (300° T) at lat 39-30-10.3, long. 88-22-11.4, lgtd with 1000 watt flash. bcn on top. (11-18)
MOLINE ARPT-75' lgtd mast, 1500' W, 500' S of centerline of E/W rnwy guyed with cables. Power shovel with 30' boom SW end NE/SW rnwy. 10' unlgtd antenna erected 1000' S of N end N/S rnwy and 250' E of centerline N/S rnwy. 30' unlgtd poles off NW end NW/SE rnwy. (11-23)
**PEKIN ARPT-Aeronautical acetylene gas bcn airway lgt located 2 mi WNW (284° T) at lat 40-31, long. 89-41 extinguished as of sunrise Tues, Nov 19, 1946.

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**PEORIA ARPT-Aeronautical acetylene gas bcn, airway lgt located 2.5 mi WSW (210°T) at lat 40-33, long 89-42, extinguished as of sunrise Tues., Nov 19, 1946. Closed ngts. (10-8)
QUINCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. (11-12)
RUBINKAM ARPT (HARVEY)-Reduced in size. Ditch marks E bndry. N, S, W bndrys unchanged. (11-12)
ST. CHARLES ARPT-Closed except in emerg. (10-2)
ST. DAVID ARPT-Closed to cross-country acft. No svcg avail. N/S strip closed. New arpt under const 6 mi N. (6-13)
SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather and after thaws. (9-21)
SCOTT FLD (BELLEVILLE)-RADIO: Army air to ground stn. inop. (11-20)
SMITH AVIATION FLD (ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)
**SPRINGFIELD ARPT-377' twr of Rdo Stn WCYS formerly Stn WCBS, erected 2 mi E (94°T) at lat 39-45-41, long 89-39-03, obst lgtd with 2 flash. lgts at 144', 266' and top levels. (11-21) Fld and strips soft after heavy rains. Unsafe heavy acft when soft. Closed ngts. (11-8)
WAUKEGAN ARPT-NW corner NW/SE rnwy, W end E/W rnwy unusable, mrkd. (8-16)
WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)
YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (8-9)

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ATTERBURY AAF (COLUMBUS)-Temp inactive-no facs. (See Special Notice re use).
AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)
BAER FLD (FORT WAYNE)-RADIO: Army ILS (CAA type) temp inop. (10-24)
FLD: Temp inactive-no facs. (See Special Notice re use). E/W rnwy closed. (11-25)
BENDIX FLD (SOUTH BEND)-Army temp inactive-civil. facs. Equip. on fld days. N triangle closed. (8-15)
BLOOMINGTON ARPT-Const. (9-26)
BRIGHTWOOD ARPT (INDIANAPOLIS)-Fld under const. E/W rnwy closed. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. (9-19)
CHAIN LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only. (5-23)
**CHARLESTOWN ARPT-Correct location: lat 38-28-49, long 85-35-56. (11-26) See page 69. 2000' strip under const-usable with ctn. (9-16)
COLUMBUS ARPT-Turn off rnwys onto taxi strips after landing. (9-10)
EVANSVILLE ARPT, old-Use rnwys only. Equip. on fld. days. (9-26)
FORT WAYNE-RADIO: No voice fac in oper until relctn of rcvg and teletype facs to Baer Fld.
★FREEMAN FLD (SEYMOUR)-RADIO: Army range, homing bcn and twr discont. (11-27)
** FLD: No lgts. (12-4) See page 69. Temp inactive-no facs. (See Special Notice re use)
HULMAN FLD (TERRE HAUTE)-Use rnwys only (erosion). (8-28)
INDIANAPOLIS-RADIO: GCA unit operated by CAA on exper basis at Indianapolis Arpt, between the hrs 0800 and 1600 Mon thru Fri. Unit aligned for approach from the SW on Rnwy 4. Transmits on 212 kcs, 126.18 mcs, receives on 3105, 4495,6210,3117.5 kcs, 126.18 mcs. Pilots desiring to make practice runs should make arrangements thru Indianapolis Twr, Indianapolis Radio or airline ground stn at Indianapolis. All flights must be CFR prior to starting GCA runs and must remain CFR throughout approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mc bndry marker using keyed 3000 cycle tone, operating intermittently at SW bndry of arpt. Exper lclzer on 108.3 mcs SW end NE/SW rnwy. Exper radio range with 5 lgtd 131' twrs operating intmtly at Avon, Ind, 7 mi NW of arpt on 172 and 194 kcs. Low power (holding marker) 75 mcs, temp inop 10 mi SW of arpt on ILS course keying "U" tone 3000 cycles. (11-22)

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**INDIANAPOLIS ARPT-High intensity rnwy ctc and approach lgts installed. (12-4) See page 69. Heavy acft use rnwys only. Const around N side fld, parking ramp. No crash equip. Mil pilots register with registrar in Admin Bldg Lobby, trans acft at City deskin Terminal Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. Tetrahedron being installed in triangle between NE/SW, NW/SE, E/W rnwys temp uncontrollable. EXPER OPERS: Approach lgt system on SW approach lane; bndry lgts SW corner, operating intmtly. 2-1/2' exper rnwy lgts both sides NE/SW rnwy. Exper flights of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip. 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' NE of NE/SW rnwy on centerline; trailer adj CAA glide path 400' SE of NE/SW rnwy, all lgtd ngts. (11-15)
MADISON AAF-JEFFERSON PROVING GROUNDS (MADISON)-CLOSED TO ALL ACFT.
McCOMB ARPT (DECATUR)-Closed when wet. (11-5)
MICHIGAN CITY ARPT-Use only mrkd strips, taxiways-bal fld unsuitable for landing and taxiing. (7-27)
MORGANTOWN-RADIO: FM on S course Indianapolis Range will remain in oper on exper basis. (11-8)
MUNCIE ARPT-Hangar under const along S bndry. (8-31)
PLYMOUTH ARPT-E/W strip avail. NNW/SSE strip avail with ctn.(const). (7-3)
PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to heavy local traffic, trans acft avoid turning in middle of fld after landing. Continue to taxi straight to end of fld then taxi to within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather. Const NE end of fld. (9-20)
SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft. Left traffic pattern. Const areas mrkd. (8-27)
SMITH FLD (FT. WAYNE)-Hangar under const N edge fld, mrkd. (10-6)
STARKE CO. ARPT (KNOX)-N/S strip soft. (11-4)
**STOUT FLD (INDIANAPOLIS)-Bcn, bndry, range, ctc, obst lgts avail only on prior req. (11-25) See page 69. Inadequate svcg facs for trans acft; no radio control, crash equip., base opers avail. only 0800 to 1700. (11-23)
VETERAN'S ARPT (BLOOMINGTON)-Strips rough. (7-30)
WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N. No-wind conditions land to W. (8-16)

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AUDUBON AIRWAYS ARPT (AUDUBON)-Fld rough.
CEDAR RAPIDS ARPT-Use rnwys, taxi strips only. (9-23)
CHAPMAN FLD (WATERLOO)-Bcn, bndry, obst lgts inop. Soft in wet weather. (11-5)
CRAM FLD (DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)
DES MOINES ARPT-Entire area off rnwys E of N/S, NW/SE rnwys closed. Use rnwys only. Army temp inactive-civil. facs. (11-6)
ELKADER AIRPARK-Strip rough and rolling. (5-22)
HARLAN ARPT-Strips plowed up-regrading. Strip E of N/S strip approx 1000' long avail. with extreme ctn-rough. (10-11)
HUNTER FLD (CEDAR RAPIDS)-Use rnwys only. (11-3)
IOWA CITY ARPT-Avail days only. Use rnwys, taxi strips only. Sod adj rnwys, taxi strips freshly seeded, graded. (8-30)
MASON CITY ARPT-Sod between taxi strip and N end N/S rnwy unusable. (10-14)
OTTUMWA NAS-Closed for mil clearances from sunset until thirty minutes after sunrise. Open for landings at all times. (11-30)
SIOUX CITY ARPT-Blinding 30 million candle pwr ceilometer 1000' N of Admin Bldg. (11-11)
WINTERSET ARPT-Rough and rolling. (2-28)

ALLMAN ARPT (LENEXA)-Use strips only. (9-12)
★ANTHONY-RADIO: Army DF stn decomm. (9-24)
BEECH ARPT (WICHITA)-Use rnwys only during damp weather. (11-4)
CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags. (10-11)
★CHANUTE-RADIO: Dec 5, NW course of low freq range realigned to 95°. Flgt-checked and correctly aligned. Dec 9, VHF voice fac comm at Commun. Stn. Tr. on and gds 116.1 mcs cont. Class: SBRAZ-VDT. These data rvcd too late for inclusion on "Flight Planning charts" and in "ANRA".
DODGE CITY AAF-Closed-emerg use only.
DODGE CITY ARPT-Blinding 25 million candle pwr ceilometer projector installed 1000' NW of Admin Bldg. E/W rnwy closed. (10-16)
DOWNS ARPT-When taking off to the S or E use right traffic. (9-30)
FAIRFAX FLD (KANSAS CITY)-Use rnwys only. (3-12)
FORT RILEY-AA firing conducted immediately N of Marshall Range Sta.
GARDEN CITY AAF-Ctc Garden City Radio for landing information ngts. Svcg, opers avail. 0800 to 1630 Mon. thru Fri only. Closed hgts. (10-22)
GOODLAND-RADIO: About Dec 16 oper. of VHF range will be suspended indefinitely. (11-22)
GOODLAND ARPT-Rnwy sides soft when wet. (9-20)
HERINGTON AAF-Temp inactive. No facs. (See Special Notice re use).
HUTCHINSON MUN. ARPT-Heavy acft use rnwys only. (9-23)
HUTCHINSON NAS-CLOSED - no facs. (11-25)
INDEPENDENCE AAF-Only N/S rnwy near ramp avail. Svcg, opers avail. 0800 to 1630 Mon thru Fri only. Closed ngts. (10-22)
JAN SSEN SKYTEL APRT (McPHERSON)-E/W strip soft when wet. (9-17)
LAWRENCE ARPT-Center fld, taxi areas unusable, soft. Use rnwys only in dry weather. (8-16)
LLOYD FLD (FT. SCOTT)-Use in emerg only (vegetation). (6-24)
MARSHALL FLD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys, taxi strips, ramps only. Soft shoulders off rnwys. Rnwy lgts undependable. (10-23)
MORLAND-RADIO: About Dec. 16 oper. of VHF range will be suspended indefinitely. (11-22)
OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Range Stn.
OLATHE NAS-Closed 1800 to 0800 - flights desiring landing during these hrs must notify opers before 1600. (6-13)
OLATHE OLF NO. 2-Use in emerg only - no facs.
OLATHE OLF NO. 4-Use in emerg only - no facs.
OLATHE OLF NO. 7-Use in emerg only - no facs.
OLATHE OLF NO. 9-Use in emerg only - no facs.
SALINA-RADIO: About Dec. 16 oper of VHF range will be suspended indefinitely. (11-22)
SHERMAN FLD (FT. LEAVENWORTH)-Left traffic on Strips 12, 15; right traffic on Strips 30, 33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (7-8)
SMOKY HILL AAF (SALINA)-RADIO: Army ILS (CAA type) temp inop. (10-24)
FLD: E/W rnwy closed. (10-17)
TOPEKA-RADIO: About Dec 16 oper of VHF range will be suspended indefinitely. (11-22)
TOPEKA-Inst flying radio range ngt, day. Call Topeka Radio at least 20 mi out before flying range.
WALDO-RADIO: About Dec 16 oper of VHF range will be suspended indefinitely. (11-22)
WALKER AAF (HAYS)-Closed-emerg use only.

WICHITA ARPT-RADIO: Glide path of CAA ILS will be comm soon on 335 mcs. (10-12) About Jan 6, oper of outer mrker will be temp suspended until approx Jan 20, for installation of low freq compass lctr. (12-7) FLD: Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Taxi strip W side fld closed. Lgts on Rnwy 18R-36L inop. Trans acft without radio use ctn. Stay on concrete-sod unsafe. (11-15)

ASHLAND ARPT-Right traffic pattern on NW landings and take-offs. (10-15)
BLUE GRASS FLD (LEXINGTON)-Use rnwys only. (10-13)
BOWLING GREEN ARPT-Red obst lgts NW end NW/SE rnwy inop. Const. (11-1)
BOWMAN FLD (LOUISVILLE)-Army temp inactive-civil. facs.
CAMPBELL AAF (HOPKINSVILLE)-No mechanical or refueling svc avail.; use Smyrna AAB for refueling and maintenance. Opers closed 1630 to 0800. (11-29)
GODMAN FLD (FORT KNOX)-RADIO: Army range now operating reliably, maximum power only 25 watts. (10-17) FLD: CLOSED TO ALL HEAVY AND VERY HEAVY BOMBARDMENT TYPE ACFT EXCEPT IN EMERG. Opers off. open 0600 to 2400; after 2400 avail. upon 12 hr prior notice. (10-15)
GREATER CINCINNATI ARPT (COVINGTON)-Bndry lgts inop. Obst 600' due S Admin Bldg. (10-28)
**RIVERSIDE ARPT (LOUISVILLE)-New fld. Lat 38-11, long 85-53. (11-15) See page 69.
STANDIFORD FLD (LOUISVILLE)-Bndry, rnwy lgts inop. Tetrahedron unlgtd, free swinging. (5-25)

ALEXANDRIA-RADIO: Dec 9, range inop for change to simultaneous feature. Class will be: SMRAWZ. Courses will be realigned to: 28°,123°,208°,292°.
BARKSDALE FLD (SHREVEPORT)-RADIO: Army ILS (CAA type) temp inop.(6-4)
FLD: Liaison type acft land Rnwy 14R-32L. Exten train. heavy traffic. GCA unit on right and left hand side of center rnwy, lgtd. (12-5)
COTTON VALLEY ARPT-E/W strip closed.
CROSS LAKE ARPT (SHREVEPORT)-CLOSED (const, equip. all strips). (4-29)
CROSS LAKE SEAPLANE BASE-Obsts in seaplane area-ctn when landing. (10-4)
DE RIDDER AAB-Closed-emerg use only.
DUSON, BCN SITE 19, HU-NO-Bcn inop-blown down. (11-22)
EAST BATON ROUGE PARISH ARPT (BATON ROUGE)-Avoid SE corner fld, marked with white flags.
HOUMA NAS-LTA-Twr operates daylgt hrs on week days only for acft in connection with Bureau of Aeronautics Storage. Closed to all other acft except in emerg. No fuel. (7-22)
IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. Rnwy lgts inop. (11-14)
JENNINGS ARPT-Use strips only in wet weather. Smudge pots avail. on prior arrangements. Unlgtd pole lines S and E side fld. (5-17)
LAFAYETTE ARPT-Avail. days only. Use rnwys only. (7-4)
LAKE CHARLES-RADIO: Following repairs, courses ground-checked only. These data rcvd too late for deletion of Ⓡ symbol.
LAKE CHARLES AAF-Blinding 30 million candle pwr ceiling lgt installed Stn WBAS. Operates during cloudy conditions. No 91 oct. (7-19)
MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way radio except in emerg. 171' unlgtd steel derrick being erected approx 15 mi SSE in Lake Salvador. (12-6)
MONROE ARPK, new-Arpk 1/2 mi SE of old Monroe Arpk unsafe (soft) (9-12)
NATCHITOCHES ARPT-Taxi to right. (4-23)

LOUISIANA

NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Equip. on fld days. Non-radio equipped acft use extreme ctn. Closed to all Army acft except primary, basic and advanced (not inclg converted tactical type) trainers, utility cargo, C-46, C-47 series, C-60, C-64, liaison acft. helicopters and autogyros. (11-9)

NEW ORLEANS NAS-Avail. Navy acft not exceeding 9000 lbs daylgt hrs. Equip all rnwys-conducting evaluation tests. Fld on positive control. (10-11)

**NORTH LAKE CHARLES ARPT (LAKE CHARLES)- New fld. Lat 30-23, long 93-13. (11-18) See page 120.

SELMAN FLD (MONROE)-Obst lgts atop twrs, hangars, floodlgts atop poles W side fld inop. Rgt lighting facs not avail. trans acft. Equip. on fld.(11-18)

SHREVEPORT ARPK, INC-Entire fld avail. except sod area E of N/S rnwy. (11-14)

SHREVEPORT ARPT-RADIO: Soon, CAA twr will discont guarding 142.74 mcs. (10-27) Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1-1/4 mi S within approach zone N/S rnwy lgtd. (11-6)

MAINE

AUGUSTA ARPT-Bcn operating intmtly. Obst lgts atop poles 400' N of ENE/WSW rnwy, and on bldgs S side Admin Bldg inop. Equip. on fld days. (11-6)

BRUNSWICK NAS-Closed to all but off. flights (caretaker status - no facs).

DOANES ARPT (DRESDEN)-N 1000' N/S rnwy avail, bal of rnwy closed until spring repairs. (10-20)

DOUGLAS FLD (BRUNSWICK)-Avail. emerg use only. Right traffic when wind from the S. (8-28)

**DOW FLD (BANGOR)-Radio: Army air to ground stn. temp. inop. (11-20) FLD: 200' twr 3 mi NE flash bcn atop (12-2). High intensity approach lgts installed. (11-14) See page 17. E/W rnwy closed. Use concrete portion fld only. Closed 1900 to 0700. Ltd transportation and maintenance facs.(12-2)

HOULTON ARPT- Closed except to scheduled airlines and local opers. Other acft land by prior permission from Resident Engineer, fone 2211. (10-10)

LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft use rnwys only-safety strips soft. (11-13)

MILLINOCKET-RADIO: Auto. range monitor. sys temp inop.

NORRIDGEWOCK AIRPORT-CLOSED - Use in emerg only.

OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop. (11-12)

PORTLAND ARPT-E/W rnwy closed ngts (ctc lgts inop). Equip. on fld days(9-20)

PRESQUE ISLE AAF-RADIO: Army DF facs on standby status; services avail within 1/2 hr upon req over air to ground or point to point facs. (3-4)

RAYMOND'S ARPT (PHILLIPS)-NW end NW/SE strip soft beyond flagged area.(10-7)

SCARBORO ARPT-Avail. lgt acft only. Use N/S strip. Land within flagged area. (11-18)

WESTON FLD (MADISON)-Avail. emerg only. (8-29)

MARYLAND

**ABERDEEN AIRPARK-New fld. Lat 39-30, long. 76-10. (11-29) See page 76.

**ANDREWS FLD (CAMP SPRINGS)-High intensity rnwy ctc and approach lgts avail. (11-14) See page 77.

BALTIMORE MUN. ARPT-No crash equip. Use rnwys, taxi strips only-other areas soft. 2 cranes 20 and 40' high operating approx 250' S, SW of Rnwys 32, 27, 80' crane 800' N of N/S rnwy, mrkd. Const, equip. on fld. 60' lgtd derrick 500' from NW end NW/SE rnwy. (11-23)

BELTSVILLE CLF-No crash equip. Closed to all acft except in emerg. (12-5)

CHESAPEAKE BAY-Mines being dropped over-water immediately ESE of Cove Point at lat 38-21-12, long 76-19-18, from altitude of 20,000'. (11-25)

EDGEWOOD ARSENAL FIELD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STA OR IN EMERG OR PRIOR PERMISSION FROM CO. Closed Sat and Sun. Operates Mon thru Fri 0800 to 1600. Approach fld N of Penn. RR. High alt bombing E and S. Stay on concrete. (2-20)

ERCO ARPT (RIVERDALE)-Gen. fld const, however, one strip always avail. (9-20)

GLENBURNIE-WIPP ARPT (GLENBURNIE)-Avoid flagged area-equip. (10-5)

HAGERSTOWN ARPT-Acft parked on hangar and factory apron, also along N bndry of fld just W of the N end of the N/S rnwy and N of the W end of the E/W rnwy. Use ctn in landing and taking-off in area off rnwys. (9-20)

KENT ARPT (WORTON)-Landing area under const. (3-17)

LEE ANNAPOLIS ARPT (ANNAPOLIS)-N/S rnwy closed (const). NE/SW rnwy and black-topped taxiway avail.-unsuitable for acft heavier than twin-engined type. (10-6)

MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS WITH GLENN MARTIN CO. OR IN EMERG. (10-31)

PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches, equip. adj taxiway parallel to Rnwy 2-20, ditches adj Rnwy 9-27, mrkd. Equip. on fld. Rnwy 9-27 being repaired.

PHILLIPS FIELD(ABERDEEN)-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STA OR IN EMERG. Equip on fld. Ltd svcg. No maintenance or RON. Closed Sats., Suns. Rnwy 4-22 closed. Approach fld from N only, fly heading of 200° from Aberdeen to fld. Avoid area 1500 yds S of fld; firing up to alts of 25,000'. No 91 oct. Closed to very heavy type acft. (7-30)

SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (9-24)

WEBSTER FLD (PRIEST POINT)-Closed except on 24 hr notice.

MASSACHUSETTS

**BARNES ARPT (WESTFIELD)-Bndry lgts turned off daily at 2400. Rot bcn oper dusk to dawn. (11-7). Oper of arpt bcn days only indicates scheduled airlines in vcnty arpt. Acft proceed with ctn when bcn lgtd. Ctc Westfield Radio for lgts. (8-4)

BEDFORD AAF- Two of three 435' twrs 3.5 mi SW (245°) true completed. Temp lgtd with 1000 watt non-flash. lgts. (11-2)

BOSTON-RADIO: Dec 12, FM will be comm at Dedham, Mass located at lat. 42-15-59, long. 71-10-07, on SW course 14.4 mi from range sta. Ident, two dots, three dashes (. . - - -) Bear. and dist, range sta to FM: 238°, 14.4 mi. When Dedham FM is comm, ident of Franklin, Mass FM will be changed to three dots, three dashes (. . . - - -). (12-9)

BOWLES ARPT (AGAWAM)-High grass. Ltd maintenance. (6-6)

BROOKFIELD'S ARPT-Ctn-steep grade at SE end. (9-9)

CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been established approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay.

GRAFTON ARPT (NORTH GRAFTON)-Avail lgt acft. Heavy acft use ctn. Avoid W, SW portions of fld. (6-15)

LAWRENCE AIRPORT- At ngt use rnwys for landing and taking off. (3-23)

**LOGAN ARPT(BOSTON)-Temp high intensity lgts on 2 rnwys. (11-14) See page 45.

LOGAN ARPT (BOSTON)-Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs: $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight, cargo and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Private or personal planes shall pay $1.00 when landing. All trans pilots must register at office of Arpt Manager and pay fees. Pilots will be denied clearance until fees are paid. Equip. on fld. Mercury arc vertical beam NW end new temp NW/SE rnwy-used intmtly day, ngt. Floodlgts and wind-

tee rmvd. Equip. on perimeter of fld. New 5900' Rnwy 15-33 and Rnwy 4-22 avail.-NE 100' Rnwy 7-25 unsafe. 100' floating derrick SW end Rnwy 4-22, mrkd. New hangar being erected SW corner of old fld, lgtd. Closed to B-17 and all Army tri-cycle gear type acft-use Bedfor AAF. Army temp inactive-civil. facs. (12-5)

MARLBORO ARPT-Fld not maintained-avail. emerg use only. (9-9)

MERRIMACK VALLEY SKYPORT (LAWRENCE)-Right traffic when landing or taking off down river. (11-13)

MYRICKS ARPT-Wires on S end N/S strip. (11-20)

**NEW BEDFORD ARPT- Bcn, bndry, rnwy ctc, obst lgts avail. (11-27) See page 45

OTIS NAAS (FALMOUTH)-Use in emerg only (caretaker status - no facs).

PITTSFIELD ARPT, SITE 3B, AZ-[redacted]-Land according to wind sock. (6-27)

REVERE ARPT-Const on seaplane base 1000' N of arpt. Booms day, ngt. (10-12)

SOUTH WEYMOUTH NAF-50' lgtd antenna pole 2200' from S edge landing mat.(11-1

SPRINGFIELD AIRPORT-Lgts inop. (6-24)

SQUANTUM NAS-Unlgtd 100' boom on lighter at bndry due W between Rnwys 2, 8. Equip. at bndry. Fld avail. 0800 to 30 mins prior to off. sunset. (9-27)

STEVENS FLD (NORTH ADAMS)-Avail. only lgt acft. (10-12)

**WESTOVER FLD (CHICOPEE FALLS)-RADIO: Army GCA sys temp inop. (12-9) FLD: High intensity approach lgts installed. (11-14) See page 44. Following procedure normally to be carried out on IFR South-bound inbound flights to Westover Fld: Boston ATC will be contacted over Portsmouth, N.H., intersection (Portsmouth intersection is N leg of Grenier Range) for further clearance acft will proceed to a point over Grenier Fld range stn for further clearancy by Boston ATC to Gardner intersection (Gardner intersection is the intersection of NE leg of Westover range and NW leg of Boston range) acft will report to Boston ATC over Gardner intersection and will then be instructed by Boston ATC to ctc Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing letdown procedures as disseminated from Westover Fld. Cruising alts assigned by Boston ATC will be maintained until further cleared to descend by Boston ATC. Westover approach control will assume control of acft upon departing Gardner intersection but not until released by Boston ATC. When under Westover approach control all instructions will be followed which are transmitted by Westover approach control.

WORCESTER ARPT-350' twr Rdo Stn WNEB being erected 3 mi ESE (110°) true. Twr now 75' high, temp lgtd. (10-28)

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ABRAMS ARPT (GRAND LEDGE)-Hangar being const. Ctn using N/S, E/W strips during winter months. (11-12)

ADRIAN CITY ARPT (ADRIAN)-SW corner fld unsafe for landings and take-offs. (11-14)

ANN ARBOR AIRPORT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (6-14)

BAKER'S FIELD (PORT HURON)-Use strips only. (6-25)

BISHOP ARPT (FLINT)-Use rnwys only when turf soft. Lgt acft use turf adj left side of concrete. Unmrkd acft parked on fld within 500' of bldgs. 160' water twr under cont 1-1/4 mi NE, unmrkd. (8-15)

CALVIN CAMPBELL MUN ARPT (INDIAN RIVER)-Emerg use only. (6-24)

CAPITAL CITY ARPT (LANSING)-Use only rnwys, new N/S strip. Strip closed ngts. Equip. on fld days-acft parked W side fld E of apron. (9-20)

DALTON ARPT (FLUSHING)-N/S, E/W strips unusable. (11-13)

DETROIT CITY ARPT-Inbound acft required to have radio receivers. (10-22)

DETROIT NAS-Closed 1700 to 0800. (9-14)

DR. HAINES FLYING FIELD (THREE RIVERS)-Sides and ends of strips soft. (5-10)

EMMET CO. ARPT (PELLSTON)-Unlgtd hangar under const 1500' N of the E end of the E/W rnwy. (12-6)

FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (11-15)

FORD ARPT (DETROIT)-CLOSED. Avail emerg use only. Use rnwys only. (8-14)

GLADWIN ARPT-40 x 60' unlgtd hangar NW corner fld. (9-27)

GRIDLEY ARPT (YPSILANTI)-Strips unusable when wet-muddy. Land on sod with ctn. (10-22)

JAMES CLEMENTS AIRPORT (BAY CITY)-Closed ngts. Heavy acft use rnwys only. (7-20)

JEWETT ARPT (MASON)-Strips mrkd with yellow mrkrs. (11-14)

KELLOGG FLD (BATTLE CREEK)- Equip. on fld. (11-9)

KINROSS AAF-Temp inactive. No facs. (See Special Notice re use).

LAPEER AIRPORT-Hangars under const. Use strips only. E/W, N/S strips being widened. (7-13)

LEACH AERO SERVICE ARPT (HARTFORD)-NE/SW strip under const. (11-16)

LINDBERGH ARPT (KALAMAZOO)-Avail. ngts in emerg. Landings in accordance with wind tee lctd midway between NW end NW/SE and N end N/S rnwys. (11-15)

MACKINAC CO. ARPT (ST. IGNACE)-Trucks, equip. on SE side fld. (9-20)

**MASONS ARPT (GRAYLING)-Lat 44-38, long 84-29. (8-19) See page 16.

McKINLEY ARPT (FRASER)-Closed except to lgt acft in dry weather-soft.(4-26)

**MONROE OLF (NEWPORT)-No navy operations, will hereafter be carried as Monroe Arpt (11-26). See page 37.

MOUNT PLEASANT AIRPORT-Strips soft in wet weather. (3-16)

MUSKEGON CO. ARPT (MUSKEGON)-Use rnwys only-rough. (9-20)

OSCODA AAF-Use rnwys, taxi strips only. Temp inactive. No facs. (See Special Notice re use).

OTSEGO CO. ARPT (GAYLORD)-Avail. during winter months with ctn. (12-2)

PRICKETT FLD (SIDNAW)-Unusable-under const. (6-25)

RACO AAF-Temp inactive. No facs. (See Special Notice re use).

REYNOLDS FLD(JACKSON)-Green flasher code bcn atop rot. bcn inop. (12-5)

★ROMULUS AAF-RADIO: Army ILS decomm. (12-2) FLD: Closed-emerg use only.

SAGINAW ARPT-S 100' of 1000' taxi strip avail. all acft except tri-cycle gear acft-bal taxi strip being cleared of trees and brush. Other strip serviceable this area from N of bldgs to fld bndry. 40' crane 300' E, 100' S of E end E/W strip approx 200' S of center line of approach.(12-3)

ST. CLAIR CO. ARPT (PORT HURON)-Rdo Stn WEBO erecting 145' twr 4 mi NE (37°) true, temp lgtd. (11-13) Use strips only. (9-26)

SAULT STE MARIE ARPT-Loose gravel on N/S rnwy. Use rnwys only. (9-20)

SKYHAVEN ARPT (SAGINAW)-Use strips only. Avail. lgt acft only when wet. Right traffic when landing S, SW and W. Left traffic N, NE and E.(11-12)

STINSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rnwy. (7-10)

TRAVERSE CITY ARPT-N/S rnwy lgts, obst lgts S end N/S rnwy inop. (10-15)

TWIN CITIES ARPT-ROSS FLD (BENTON HARBOR)-Use rnwys only after heavy rains. (11-14)

WASHTENAW ARPT(ANN ARBOR)- Use rnwys only. Avail days only. (8-14)

★WILLOW RUN ARPT (YPSILANTI)-RADIO: Freq. of MH fac changed to 341 kcs.(12-7) FLD: Equip. on fld. Trucks on NE/SW taxi strip. Trenches and const of ILS bldgs on fld, mrkd. Apron base and loading gates under const, mrkd.(12-4)

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APPLETON ARPT-Use rnwys, taxi strips only. (11-20)

BENSON AIRPORT- Only NW/SE strip avail, bal fld under const. (6-16)

DECKER AIRPORT (AUSTIN)-Acft over 3500 lbs use caution. (6-28)

FARIBAULT AIRPORT-Closed to all acft weighing over 5000 lbs. (5-16)

FERGUS FALLS ARPT-Temp closed (const). (6-17)

FLYING CLOUD ARPT (MINNEAPOLIS)-Const. (12-17)

MANKATO AIRPORT-Use strips only. (5-16)

MINNEAPOLIS-Lgt atop Foshay twr will be discont soon. (10-11)

MONTEVIDEO ARPT- Const. Temp rnwys avail. Equip. on fld intmtly. (10-11)

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ORTONVILLE ARPT-Temp closed (const). (6-20)
ST.PAUL ARPT-Use rnwys, taxi strips only. (8-1)
THIEF RIVER FALLS ARPT-Old rnwys abandoned. New NW/SE, NE/SW rnwys avail. wheel-equipped acft until heavy snow. High trees NW end NW/SE rnwy.(12-9)
UNIVERSITY OF MINNESOTA ARPT (NEW BRIGHTON)-E/W, N end N/S strips rough.(9-30)
VICTORY AIRPORT (MINNEAPOLIS)-Surplus Acft Sales Center - parked acft.
WILLIAMSON-JOHNSON AIRPORT (DULUTH)-Closed ngts. (8-1)
★WOLD CHAMBERLAIN FLD (MINNEAPOLIS)-RADIO: Army DF stn decomm. (9-24) CAA twr will transmit on 278 kcs, 118.3,142.74 mcs.soon. Will guard: 3105, 4495,6210,3117.5 kcs, 116.1, 118.3,142.74 mcs. (12-5) FLD: Foreign Clearing Stn for Musk-Calf Project Flts. (11-21)

MISSISSIPPI

AUGUSTINE FLD (JACKSON)-Use strips only-parked acft.
**BONITA FLD (MERIDEN)-Lat 32-22-30, long 88-40-00 (11-26) See page 124.
COLUMBUS AAF-RADIO: Army air. to ground stn. temp. inop. (11-20) FLD: Temp inactive. No facs. (See Special Notice re use). Use rnwys only. (8-19)
DELTA ARPT (YAZOO)-CLOSED. (11-7)
GREENWOOD ARPT-Use rnwys only-sodded portion soft. All rnwys lgts operated simultaneously-unable to control rnwys separately. (11-12)
GRENADA ARPT-NE/SW rnwy closed. (6-28)
GULFPORT MUN. AIRPORT-Closed ngts. Fld lgts inop. Ltd svcg. Avoid flying over area directly off SW corner. Entire sod fld avail. (5-27)
JACKSON ARPT-Rnwys 2-20, 16L-34R closed. Bndry lgts NW end Rnwy 11, SE end Rnwy 34 discont. Red guide lgts installed 100' from Rnwy 11-29. (12-2)
JACKSON COUNTY AIRPORT (PASCAGOULA)-Trans acft use rnwys only - drainage grills under grass. (5-19)
KEESLER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Mgt opers rstd to acft with 2-way radio. 20' boom NE corner NE/SW rnwy, mrkd. (10-17)
KEY FLD (MERIDIAN)-Radio Stn WTOK erecting 180' twr 5 mi NE, lat 32-22-46, long. 88-40-04. (9-7)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
McCOMB ARPT-West 1/3 of E/W strip unusable. (9-30)
TYLERTOWN-RADIO: About Dec 15, teletype and weather reporting facs will be deactivated. (12-2)
YAZOO CITY CO. ARPT (YAZOO)-Use N/S strip only, bal fld soft. (11-7)

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BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (9-18)
CHILLICOTHE INT, SITE 7, KC-CG-Use only rnwy during wet weather. Sod areas slightly rough. (10-21)
COLUMBIA ARPT-Equip on fld days. Heavy student traffic. Mgt flying 3 mi radius fld. Sod at rnwys sides soft when wet. Traffic pattern 800' on down-wind leg. Blinding 20 to 30 million candle pwr ceilometer 1000' E of rot. bcn 200' twr being const 1 mi SE, temp obst lgtd. (8-29).
DAVIESS CO. ARPT (GALLATIN)-Use ctn until further development. (5-12)
FAYETTE ARPT-Closed during winter-avail. lgt acft in emerg only. (11-19)
HARRIS FIELD (CAPE GIRARDEAU)-Use strips only -parked acft.
HARVEY PARKS AIRPORT (SIKESTON)-Use rnwys only - parked acft.
INDEPENDENCE AIRPORT-N/S strip avail., bal fld closed (grading). (6-25)
JEFFERSON CITY ARPT-E/W,N/S strips avail. lgt acft only-sod soft when wet. NE/SW strip avail. twin-engine acft not exceeding weight of C45-C78.(5-11)
JOPLIN ARPT-Obst lgts NE end NE/SW rnwy inop. (10-10)
KANSAS CITY ARPT-RADIO: Glide path and bndry mrkr temp inop until perm lctr recomm at a later date. FLD: CLOSED TO ALL ARMY ACFT EXCEPT IN EMERG-USE FAIRFAX FLD. Army acft rstd from refueling except in extreme emer. Neon approach lgt sys discont until approx Mar 3, 1947-temp use

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approach lgt installed N end N/S rnwy consisting of 1 green spot-lgt 24" in diameter and elevated at a 30° angle. Unlgtd levee along N side fld raised to 20' above fld level. Lgtd pile drivers and derricks NW portion fld immediately W of N end N/S rnwy. Derricks and cranes SW and S portion fld-lowered ngts. Const W of paved portion loading ramp N of Term. Bldg, mrkd-acft avoid this area. Take-offs by lgt acft to the N from E of N/S rnwy prohibited. Tetrahedron uncontrollable. (12-2)
KANSAS CITY-GRANDVIEW ARPT (KANSAS CITY)-Sodded areas soft. (11-22)
KIRKSVILLE ARPK-CLOSED UNTIL SPRING. Emerg use only. (11-13)
LAMBERT FLD-ST. LOUIS ARPT (ST. LOUIS)-RADIO: Low clearances observed in blue and yellow sectors of ILS. (10-8) FLD: Closed to non-radio equipped acft. Equip. on fld and ramp. Const E, SE bndry fld. Navy facs closed 1700 to 0800 except when Opers Officer notified 2 hrs prior to 1700.(10-29)
McFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (10-1)
QUEEN CITY ARPK (SPRINGFIELD)-35' lgtd pole and lines N end N/S rnwy.(10-30)
ROSECRANS FLD (ST. JOSEPH)-RADIO: CAA twr will be comm soon, transmitting on 278 kcs, 126.18,118.7 mcs. Will guard 3105,4495,6210,3117.5 kcs,126.18 131.9,118.7 mcs. (12-7) FLD: Equip. on fld days. (12-7)
SEDALIA (KNOBNOSTER)-Temp inactive-no facs. (See Special Notice re use). Use rnwys only.
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough. Blinding 30 million candle pwr ceilometer in oper on E bndry. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)
VAUGHN ARPT (TRENTON)-1-1/2' ditch each side of strips. (9-19)

MONTANA

BILLING ARPT-Lgtd lctr bldg 1100' from W and E/W rnwy, lgtd glide path bldg 300' N of E/W rnwy adj E bndry. Army acft rstd from refueling except in extreme emerg. (10-22)
**BROADVIEW, BCN SITE 42, CX-CP-Conversion of Beacon Site from Type B to Type A completed Nov 18, 1946 and commercial power connected to bcn on that date.
BUTTE ARPT-Blinding 30 million candle pwr ceilometer 267' E of center of N/S rnwy. (9-11)
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-Muddy in wet weather. (11-18)
CUT BANK ARPT-Ctc lgts avail. on req. (11-28)
GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of rnwy shoulders - use 150' center strip. Rnwy lgts operating Rnwys 2-20, 16-34 only. (12-6)
HELENA ARPT-RADIO: About Dec 15, CAA twr will be reactivated and consolidated with the Airway Communication Stn into a single fac operated from the twr lctn. Control of air traffic within the arpt traffic zone will be during daylgt hrs. During hrs of darkness advisory service will be furnished acft equipped with two-way radio. (12-9) FLD: Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. (10-21)
LEWISTOWN ARPT-Use rnwys only. (11-13)
MILES CITY ARPT-Bndry lgts inop. (12-2)
MISSOULA CO. ARPT (MISSOULA)-NE/SW rnwy closed. NW/SE rnwy closed to class B-17 or heavier acft. (11-13)
MOORE ARPT-S end N/S strip rough. (7-30)
MULLAN PASS-RADIO: During winter months, range will be operated intermittently on reduced pwr - courses unreliable (ice on loops) (11-3)
POLSON ARPT-Usable with caution. (7-19)
POPLAR ARPT-Dangerous when wet. (9-6)
SIDNEY ARPT-Ends of strips in cultivation.
VALLEY CO. ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using.(9-7)
WOLF POINT ARPT-Hay stacks on fld. (9-10)

NEBRASKA

**AINSWORTH ARPT (OLD)-ABANDONED. These data received too late for inclusion on flight planning charts and Directory of Airports. (11-27)
AINSWORTH MUN ARPT-Use rnwys only. (10-27)
CLAY CENTER ARPT-Use strips only. (5-19)
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (9-26)
ELGIN ARPT-Haystacks on fld. (12-3)
FREMONT ARPT-Sod areas freshly seeded-unsafe for landing or taxiing when wet
★GRAND ISLAND AAF-RADIO: Army DF stn decomm. (9-24) Army ILS temp inop. (9-27) FLD: Only 73, 100 oct avail. (8-20)
★HAYES CENTER-RADIO: Dec 9, VHF voice fac comm at Commun Stn. Tr on and gds 116.1 mcs cont. Class: SBMRAZ-VDT. These data rcvd too late for "ANRA" and inclusion on "Flgt Planning Charts".
★KEARNEY AAF-RADIO: Army twr recomm. (12-3). See page 29. FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS. Use rnwys, taxiways only. (10-23)
LEE BIRD FLD (NORTH PLATTE)-Army acft rstd from refueling except in extreme emerg. (10-9)
**LINCOLN ARPT-Fld lgts avail upon req via Lincoln Rdo, by prior req. (12-4) See page 29. Rnwys and apron being sealed until approx Jan 20, 1947. Private acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. (12-6)
McCOOK AAF-Temp inactive-no facs. (See Special Notice re use). NW/SE rnwy avail. only. (11-13)
OMAHA ARPT-RADIO: About Jan 15, oper of outer mrkr of CAA ILS will be temp suspended until about Jan 23, for installation of low freq compass lctr. FLD: Use rnwys only. R'wy 17R-35L closed-avail. for taxiing only except W of center taxi strip. (11-12)
SIDNEY INT, SITE 50, SL-OH-E/W strip avail., bal fld rough. (9-20)

NEVADA

BATTLE MOUNTAIN-RADIO: SW course 3° S, bear. 46°. (10-25) 116.1 mc transmitter and rcvr temp inop. (11-6)
BATTLE MTN FLIGHT STRIP, SITE 35, SF-SL-Use paved surfaces only-shoulders soft. (12-8)
BOULDER CITY ARPT-SW end NE/SW rnwy unusable. (10-8)
DERBY, BCN SITE 212 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)
DOUGLAS-TAHOE AIRPORT (MINDEN)-S 700' N.S taxiway closed. (4-2)
FALLON-RADIO: Stn unmanned 2300 to 0700.
FALLON ARPT-Closed except in emerg. (9-27)
FERNLEY INT, SITE22, SF-SL-Rough with soft areas due wind erosion, soft sand, mrkd. (11-27)
INDIAN SPRINGS AIRPORT-Temp inactive. No facs. (See SpecialNotice re use).
★LAS VEGAS-RADIO: Dec. 8, SE course realigned to 292°. Courses groundchecked only. VHF range will be comm soon at lat 36-11-06, long. 115-05-4 Bear. and dist, stn to McCarran Fld: 24°, 4.2 mi. Freq. 109.1 mcs. Iden "LQ" Courses: Visual, 29°,209°, Aural, 119°, 299°. Mag variation 16°E Simult voice channel and receiving watches (3117.5 kcs, 116.1,131.7mcs) avail. 24 hrs daily. Stn class: VAR-VDT (10-8)
LAS VEGAS AAF-No weather forecasting. Clearance by AFS. Obst bcns No. 3 and 4 atop Sunrise Mtn inop. Ltd opers facs. No maintenance. (12-4)
RENO AAB-Closed-emerg use only.
RENO SKY HARBOR ARPT (RENOA)-Trans or inexperienced pilots avoid using.(8-5)
TONOPAH-RADIO: Stn unmanned from 2400 to 0800 daily. (7-31)
TONOPAH AAF-RADIO: Army air to ground stn inop. (11-20) FLD: Temp inactive. No facs. (See Special Notice re use).
VISTA, BNC SITE 200 MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)

NEVADA

WADSWORTH, BCN SITE 216MI. BLINKER, SF-SL-Will be perm. discont during the period Dec. 10 to Dec. 20. (11-22)
YELLAND FLD (ELY)-Ben, bndry lgts along N/S rnwy inop. (10-3)

NEW HAMPSHIRE

BOIRE FLD (NASHUA)-Wind sock atop brick hangar indicates wind conditions. In calm air conditions, take-offs and landings made toward NW. 34' hangar under const adj to bldgs S border fld. (11-24)
BRATTLEBORO-HINSDALE AIRPARK (HINSDALE)-Use only N/S strip unless familiar with fld. (6-4)
DEAN MEMORIAL ARPT (HAVERHILL)-New strips dangerous when wet. (11-21)
★GRENIER FLD (MANCHESTER)-RADIO: Army DF stn temp inop. (11-22) Army twr now operates 0800 - 1800 only. These data rcvd too late for inclusion in "ANRA". Army twr and ILS recomm. (12-3). See page 45. FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS. Crash facs avail 0800 to 1800 only. (12-7)
HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail, days only. (5-9)
LAKES REGION ARPT (WOLFEBORO)-CLOSED (const). Grass strip avail. in emerg.
LANCASTER ARPK-New surface dangerous when wet. (11-21)
LEWIS FLD (LITTLETON)-Center of fld dangerous when wet. (11-21)
NEWPORT ARPT-60' trees N end N/S strip. (10-9)

NEW JERSEY

ATLANTIC CITY NAS-Avail. 0700 to 1530 Mon thru Fri. ETA prior to 0700 and after 1530requires previous arrangement with Operations Officer. (7-11)
BENDIX-RADIO: Tests of exper equip.. will be conducted on freqs of 108.5, 109.3,110.1 mcs.
CAPE MAY CGAS-Closed to trans acft except in emerg (caretaker status-no facs
CARTARET-Beacon, side lgts inop on twr Radio Stn WOR. (7-24)
COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (8-2)
FORT DIX-Artillery range at Fort Dix. When firing in progress, special traffic patterns are used.
FORT DIX AAB (WRIGHTSTOWN)-Temp inactive. No facs. (See Special Notice re use).
LAKEHURST NAS-Rnwy tests in progress days, until approx Dec. 19. (11-19)
LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Temp fence erected at SW bndry fld. (8-6)
LAKEWOOD ARPT-N/S strip under const. (10-15)
★MILLVILLE-RADIO: Range comm Dec 4, at lat 39-25-02, long. 75-08-07. Var 9°W. Courses flight-checked. See page 76.
**NEWARK ARPT-High intensity rnwy lgts on NE/SW rnwy. (11-14) See page 80. To reduce the noise of acft flying over Newark residential areas and to avoid tall bldg section following must be complied with: 1. Increase the rate of climb as much as practicable. 2. N-bound or E-bound acft make left turn as soon as practicable when taking off to SW. 3. Make a half left turn as soon as practicable when taking off to W. 4. Make a half right turn as soon as practicable when taking off to N. Pass at least 500' to E of gas tanks lctd in Harrison when making a southerly direction approach to the N/S rnwy. 5. Whenever practicable the arpt traffic controller will suggest the use of rnwys which will permit the acft to avoid passing over residential and tall bldg areas. (9-7). Closed to all acft without 2-way radio. Landing fee for itinerant acft now in effect based on weight. All acft must taxi to Registry Office NW side fld and register E 800' Rnwy 28 rough. Pilots are to make approach for numeral on Rnwy. No hangar space for Army acft. S 1800' from extreme end pavement Rnwy 1 closed until approx Dec 13. 75' lgtd pile driver approx 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. (10-13)
RED BANK ARPT-Area starting from hwy W 1200' to the intersection of the N/S strip unusable. E end E/W strip seeded. (10-28)

NEW JERSEY

TETERBORO AIR TERMINAL (BENDIX)-Const. Pilots using fld do so at their own risk. (12-3)

NEW MEXICO

ALAMOGORDO-AAF RADIO: Army ILS (CAA type) inop. (8-7) FLD: Opers and svcg avail. 0730 to 1600 Mon thru Fri only. Rnwy 3-21 lgts inop. (7-19)
ALBUQUERQUE AIRPORT-Used by RFC. Avail. only for delivery surplus acft this fld, prospective purchasers of surplus acft or parts, or in emerg.
★CLOVIX AAF-RADIO: Army twr and ILS recomm. (12-3). See page 57. FLD: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.
CONDON FLD-See notice under White Sands Proving Ground, N. M.
CREWS FLD, SITE 42, EO-PU-(RATON)-CLOSED (const). (4-29)
DEMING ARPT-Closed-emerg use only.
DEMING FLD (CENTER)-Closed-emerg use only.
DEMING FLD (SOUTH)-Closed-emerg use only.
GALLUP AIRPORT-E/W rnwy closed. (5-4)
GALLUP CITY FLD-ENE/WSW strip under const. (5-7)
**GUZMAN MT., BCN SITE 364 MI. BLINKER, PU-EO-Dec 10, discont. (12-10)
HOBBS AAF-Rnwys 3-21, 12-30 closed. (10-16)
HOBBS MUN. ARPT-Allway landing area rough. Heavy acft use rnwys only.(7-21)
JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)
★KIRTLAND FLD (ALBUQUERQUE)-RADIO: Army air to ground stn. facs, inop. (11-20) Inner and outer mrkr of ILS inop (const). (12-5) Glide path of CAA ILS flgt-checked and comm on cont oper Dec 6. FLD: Blinding 25 million candle pwr ceilometer 1000' N of Terminal Bldg. (6-5) 3 twrs being const approx 2 mi W of fld, will be 400', approx 20' above fld elev and lgtd with blinkers at 200' and 400' (11-26)
LAS VEGAS ARPT-Use rnwys only-bal fld unsafe. (11-13)
MAGDALENA MUN. ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (5-6)
ROSWELL-Inten inst train. on Roswell Radio Range below, above, and in overcast. Acft inbound to Roswell or operating in vicinity under IFR, contact Roswell Radio for instructions.
ROSWELL AAF-Ltd parking, svcg facs. (10-25)
SANTA FE ARPT, new-Rnwy lgts inop. Army acft rstd from refueling except in extreme emerg. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)
WEST MESA AIRPORT (ALBUQUERQUE)-Surplus Acft Sales Center - parked acft.
WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condon Fld, White Sands Proving Ground will be cleared to Biggs Fld, Tex, and will obtain permission and instructions from Biggs Fld Opers before landing at Condon Fld. When Condon Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by radio prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condon Fld. (10-14)

NEW YORK

ALBANY ARPT-Equip. on fld intmtly. (11-13)
BENDER-BRENTWOOD RLD (BRENTWOOD)-Const on fld-ctn. (11-8)
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO-RADIO: Courses aligned by ground check only. These data rcvd too late for deletion of (R) symbol.
BUFFALO ARPT-Acft entering and departing Buffalo traffic zone use ctn-new

arpt 4000' ESE. 70' unlgtd smokestack W bndry fld between E/W and NE/SW rnwys. RNwys and taxi strips mrkd with black flags for winter opers.
**CATSKILL, BCN SITE 10, LG-UL Decomm Dec. 9. (12-9)
CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control local traffic and at other times when circumstances make such practices consistent with safety. Equip. N, W of N/S rnwy days. (11-13)
CHEMUNG VALLEY ARPT (WAVERLY)-Right traffic when taking off or landing to the W and N. (9-20)
CLASON'S POINT-RADIO: In near future, present New York (LaGuardia) range will be decomm. Simultaneously Clason's Point range will be comm at lat 40-41-11, long. 73-50-33. Freq. 209 kcs. Ident. "LG" Bear. and dist, stn to La Guardia Fld: 222°, 3.2 mi. Courses will be 42°,129°,222°,273° Stn class: SBRAZ-VDT. VHF voice fac will transmit on 116.1 mcs. Stn will guard: 3105,4495,6210,3117.5 kcs, 116.1 mcs. Clason's Point LFM will be decomm. FM will be comm at New Rochelle, N.Y. at lat 40-53-17, long. 73-47-19, on NE course. Bear. and dist, range to FM: 42°,5.6 mi. Ident one dash. Simultaneously, FMK will be comm at the New Rochelle,N.Y. Fm site on 275 kcs, ident "R". These facs, outer mrkr and outer compass ltr stn on CAA ILS La Guardia Fld will be comm simultaneously. (12-6)
CLINTON HOLLOW, BCN SITE 8, LG-UL-About Dec 23 rot. bcn with red course lgts will be comm at lat 41-51-20, long. 73-51-10. Elev 640' MSL. (11-25)
CROTON AIR PARK (PEEKSKILL)-Hangar under const. (6-11)
FLOYD BENNETT FIELD NAS (NEW YORK)-Closed 1700 to 0800. (8-15)
FORT PLAIN INT, SITE 40A, CV-AZ-NE/SW strip, SE 700' NW/SE strip rough.(10-?)
GLOVE CITY ARPT (GLOVERSVILLE)-Right traffic except when taking-off or landing to E. NE corner fld unusable-soft area mrkd. Closed to all acft above 250 horse pwr. (12-25).
HILTON AIRPORT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HUDSON, BNC SITE 10,LG-UL-About Dec 23, rot. bcn with red course lgts will be comm at lat 42-14-04, long. 73-49-04. Elev 548' MSL. (11-25)
HYLAN FIELD (ROCHESTER)-Use strips only - caution when wet. (5-18)
★IDLEWILD-RADIO: Dec 3,courses realigned to:42°,132°,222°,312°.Ground-checked only.FLD: Temp pavement on Rnwys B-N/S and C-NE/SW being removed with trenches across rnwys presenting extreme hazard even in emerg. Not yet opened-const. (10-15)
ITHACA ARPT-Right traffic pattern in use. (8-3)
KINGSTON-ULSTER AIRPORT (KINGSTON)-ESE/WNW strip closed. (3-20)
★LA GUARDIA FLD (NEW YORK)-RADIO: Dec 4, approach control VHF transmitting and rcvg facs 118.9 mcs changed to 118.7. Dec 17, the outer mrkr of CAA ILS will be relctd at lat 40-42-54,long.73-55-50,lctd 4.4 mi SW of SW end NE/SW rnwy. Simultaneously outer compass lctr stn (to be lctd at new outer mrker site) will be comm. Freq. 317 kcs, ident. "O". (9-13) Lclzr courses, used in connection with closed Rnwy 4-22, not reliable for approx 30 days. (10-29). FLD: ARMY ACFT HAVING OPR. BUS. WITH HQ ATLANTIC DIV ATC FT. TOTTEN, N.Y. SHOULD LAND AT MITCHEL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. or with C-in-C Eastern Sea Frontier or Hdqs 3rd Naval Dist when RON or refueling services not required. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVAL ACFT USE NAS FLOYD BENNETT. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Obst lgts stop lclzr shack approach end Rnwy 22 and end Rnwy 4. 20' lgtd bldgs 300' E of NE end NE/SW rnwy. Truck and 30' crane NW corner fld adj to rnwys days. Ditch N end approx 400' off W side RNwy 4-22 parallel to rnwys days. Area from end of Rnwy 18 to intersection of Rnwy 9-27 being graded days. (12-7)

MacARTHUR FLD (ISLIP)-Mobile ILS units 20' high on all rnwys 500' from rnwy centerline, lgtd. Acft use ctn-unconventional flight test oper. (11-18)
MALONE-DUFORT ARPT (MALONE)-Avail. ski-equipped acft only. (11-21)
MASSENA-RADIO: VHF range will be comm soon at lat 44-54-50, long. 74-43-23. Freq. 108.7 mcs. Ident. "MZ" Aural courses: 143°, 323° visual courses: 53°, 233°. Var. 14° W. Class: VARW. (11-16)
MASSENA-156' twr Radio Sta WMSA lctd 232°, 3.0 mi SW, temp lgtd with red lgts on top. Upon completion lighting facs will consist of 300 mm flash beacon atop and four side lgts; two at 1/3 level, 2 at 2/3 level. (9-9)
MASSENA AIRPORT-Use rnwys, taxi strips only-turf rough. (6-11)
MITCHEL FLD (HEMPSTEAD)-RADIO: Army ILS (CAA type) temp inop. (7-31)
**MITCHEL FLD (HEMPSTEAD)-High intensity approach lgts installed (11-14) See page 80. Rnwy 18-36 closed. (7-17)
MONTGOMERY FIELD (U.S. MILITARY ACADEMY NO.1) (MONTGOMERY)-CLOSED. (11-7)
NASSAU ARPT (HEMPSTEAD)-Fld not maintained. (6-28)
NEW HACKENSACK, BCN SITE 6, LG-UL-About Dec 23, rot. bcn with green course lgts will be comm at lat 41-38-09, long. 73-52-34. Elev 261' MSL. (11-25)
NEW PALTZ, BCN SITE 7A, LG-UL-Soon will be decomm. (11-25)
NEW YORK-Each week end, weather permitting, between the hrs. of 0900 Sat and 1600 Sun, Naval acft from NAS New York will conduct live gunnery runs and practice bombing in the following area over New York Harbor: beginning at lat 40-32, long 73-46; to lat 40-34, long 73-15; to lat 40-00, long 73-15; to lat 40-00, long 73-55; to lat 40-22, long 73-55; to lat 40-22, long 73-46 to the point of beginning. (11-15). THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.
NEW YORK-SPECIAL NOTICE-RADIO: See Clason's Point Radio.
NEW YORK CITY-See Special Notice "Restriction on Flight of AAF Acft in New York City Area".
NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2000 to 0800. (10-30)
★PORT CHESTER-RADIO: FM coordinates: lat. 41-01-45, long. 73-42-25. (12-9)
PULASKI ARPT-Const. Landing area being extended in all directions. (8-7)
ROCHESTER ARPT-Use rnwys only-soft. No hangar space. Equip. on fld days. (11-13)
ROME AAF-Traffic alt 1500' MSL. Right traffic pattern. (7-15)
SALAMANCA ARPT-SPECIAL NOTICE: The Common Council of the City of Salamanca passed ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100 for each violation. Closed to heavy acft.
SALAMANCA ARPT-Right traffic pattern when landing and taking off to W, variable pattern to clear houses 1000' W of end of strip. (10-9)
SARANAC LAKE ARPT-Use rnwys, taxi strips only-turf rough. (11-27)
**SAUGERTIES-Bcn site 8 LG-UL decommissioned. (11-26)
SCHENECTADY CO. ARPT (SCHENECTADY)-Use rnwys only-turf areas soft. (11-12)
SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic when landing to the E. (11-18)
SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const-NE/SW avail. with ctn. (11-22)
SMITHPORT INC. (UTICA)-Hangars under const. (10-14)
STEPHENTOWN-RADIO: FM to be relctd on E course of Albany, N.Y. range.
STEWART FLD (NEWBURGH)-Pilots unfamiliar with Stewart Fld let-down procedure will not be cleared this fld under actual inst conditions. Final approach under these conditions will be made on SW leg Stewart Fld range only. (8-5)
SYRACUSE ARPT-Turf areas soft after heavy rains. (9-10)
TIVOLI, BCN SITE 9, LG-UL-About Dec 23 rot. bcn with red course lgts will be comm at lat 42-03-29, long. 73-49-01. Elev 321' MSL. (11-25)
TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (6-11)

TROY ARPT-Bcn inop. (10-10)
UTICA ARPT-Bcn lgt burning but not revolving. (11-13)
WALLKILL FIELD (U.S. MILITARY ACADEMY NO. 3) (WALLKILL)-CLOSED. (11-7)
WATERTOWN ARPT-Installing lgts. Land, taxi with ctn-holes along rnwy edges. (8-1)
WESTCHESTER ARPT INC (ARMONK)-Const. tree removal equip on fld. (8-16)
WESTCHESTER CO. ARPT (WHITE PLAINS)-Const. excavation, equip. SW end NE/SW rnwy. Lgts inop due to repairs. 3 unlgtd 40' masts being erected off bndrys of fld approx 1000' SE of intersection of N/S and E/W rnwys. Equip. on NE end NE/SW rnwy daily from 0700 to 1800. (10-8)
WINGDALE ARPT-Avail. lgt acft only-rough. (3-21)

NORTH CAROLINA

ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No obs lgts installed on NW/SE rnwy, approach all rnwys with ctn, equip on fld. No radio facs. (1-7)
ATLANTIC MCAAF-Use in emerg only (caretaker status-no facs).
BALLOON FIELD NO. 1 (FORT BRAGG)-CLOSED. (11-20)
BOGUE MCAAF-Closed to all acft except in emerg (no facs). (7-11)
BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (12-6)
BURLINGTON ARPT-CLOSED (equip). (11-25)
CANNON AIRPORT (CHARLOTTE)-Surplus Acft Sales Center-parked acft.
CHERRY POINT MCAS-RADIO: Temp repairs made Navy range, use with caution. (11-20)
CHERRY POINT MCAS-Const. equip. on rnwys. Rnwy lgts being repaired. (7-17)
EDENTON NAS-Use in emerg only (caretaker status-no facs).
ELIZABETH CITY CGAS-Stay on rnwys-shoulders soft, rough. Closed ngts from 1930 to 0730 except on prior req. All fld lgts inop. (9-13)
FAIRCHILD-CIVIL ARPT (BURLINGTON)-Use rnwys, taxi strip only. No fld facs. (3-29)
FORT BRAGG-Heavy firing is being conducted in all sections of Fort Bragg danger area up to 20,000 ft. All acft must avoid this area shown on Flight planning chart 110 herein.
FORT BRAGG-Inten train. days with radio control target planes from fld 6 mi due E of N end Pope Fld. Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute.
GREENSBORO-HIGH POINT ARPT (GREENSBORO)-Both sides Rnwy 32 to intersection soft, rutted. Use rnwys only. (12-6)
KINSTON MCAAF-Avail. civil. acft only in emerg. (11-13)
**LAURINBURG-MAXTON (MAXTON)-Rot bcn, rnwy, obst lgts (11-20) See page 109
LEXINGTON ARPT-Ctn-strip rolling. (10-1)
MORGANTON ARPT-Soon will be closed to all acft-use Riverside Arpt. (4-26)
POPE FLD (FT. BRAGG)-CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAY RADIO-USE AUX STRIP 2 MI N, AT FT. BRAGG. Svcg avail. that fld. Heavy glider traffic. Equip. on fld days. 73,100 oct avail. (8-26)
RALEIGH-DURHAM ARPT (RALEIGH)-ILS and transmitter bldgs 900' from NE end NE/SW rnwy. Glide path unit 400' S centerline and 900' S of SW end NE/SW rnwy. Approach lgts 75' N of S end NE/SW rnwy and extending 1500' from end of rnwy. All obsts mrkd. (12-6)
ROANOKE ISLAND ARPT (MANTEO)-Bcn inop. (10-4)
★SEYMOUR-JOHNSON FLD(GOLDSBORO)-RADIO: Army DF stn decomm. (9-24)
SEYMOUR-JOHNSON FIELD (GOLDSBORO)-Use rnwys only-shoulders soft. Temp inactive. No facs. (See Special Notice re use).
THOMASVILLE ARPT-Ctn-strip rolling. (10-2)
WEEKSVILLE NAF-LTA-Avail. NTA and LTA acft daylgt hrs; ngts by prior arrangement or in emerg. (9-3)

NORTH DAKOTA

BISMARCK ARPT-Use rnwys only. Equip. on fld intmtly. Army acft rstd from refueling except in extreme emerg. Crash and fire fighting equip. avail. 0800 to 1900 only. (12-5)
CHANDLER AIRPORT (WILLISTON)-Use strips only, bal fld rough. (5-10)
DAWSON INT, SITE 63, HL-TWIN CITIES-Lgtd snow fence erected in E-W direction approx 75' N of present fld bndry lgts SE corner fld. (10-30)
DICKINSON MUN. ARPT-30' hay stacks near all edges fld. Use rnwys only. (10-9)
FARGO ARPT-HECTOR FLD (FARGO)-Tetrahedron flash. lgts inop. Bcn used days as substitute indicating suspension of CFR opers. (11-26)
GRAND FORKS ARPT-50' const booms adj to NE corner fld, lgtd ngts. (11-21)
JAMESTOWN ARPT-Obst lgts atop 190' twr Rdo Stn KSJB, 2 mi SW discont. Twr being dismantled. (11-4)
PEMBINA INT, SITE 144, FO-WG-Avail. ski-equipped acft only. (12-6)
VALLEY CITY ARPT, SITE 71, HL-TWIN CITIES-Course lgts red. No bndry lgts. (11-26)

OHIO

AKRON ARPT-Surplus Acft Sales Center-parked acft. Use rnwys only. Equip. on fld days. Trans pilots must register in Admin Bldg on arvl and dptr. Ltd svcg facs only. Steam shovel SW end NE/SW rnwy 0800 to 1600 (11-18)
AKRON-CANTON ARPT (GREENTOWN)-New arpt under const. Will be avail. approx Dec, 15. (10-18)
BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)
BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to N, W and SW. (11-24)
BROOKFIELD ARPT-Avail. lgt acft only. N/S strip under const. (4-21)
BRYAN-DEFIANCE MEMORIAL ARPT (DEFIANCE)-NE/SW rnwy under const. 50 pot torches on E/W rnwy avail. for ngt landings on prior req. (11-27)
CEDAR LAWN AIRPORT (KENTON)-Use strips only. (6-26)
CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. Land with wind tee regardless of wind direction. (11-25)
CLEVELAND ARPT-Three 200' twrs 10 mi SE lgtd at 2 levels, top with temp steady burning bcn too bcn to be replaced by flash. type. (11-30)
CLEVELAND ARPT-Trans pilots must register in Terminal Bldg upon arvl and dptr Landing Fee on all civil. multi-engine acft. Red obst lgt atop Terminal twr 10 mi NE inop. (11-21)
CLINTON CO. AAF (WILMINGTON)-Rnwys lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC Center upon entering or prior to dptr from ATC area. Intcm inst train being conducted-for danger area description see Wilmington, Ohio (7-8)
CONNEAUT AIRPORT-Use mowed strips only. (6-4)
DAYTON ARPT-Use rnwys only. Equip. on fld. Approach lgt lane under const for approx 1500' off SW end Rnwy 6-24R. Consists of poles graduated up to 32' in height. (9-26)
FINDLAY ARPT-Lgtd bldg under const NE of fld. (10-21)
GRIESER AIRPORT (MAUSSON)-Use strips only. (7-3)
GRIMES FLD (URBANA)-Use strips only. Land according to wind tee lctd in center of fld. (11-23)
LANSDOWNE ARPT (GREENVILLE)-Equip on fld intmtly. (8-12)
LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (10-17)
LORAIN CITY ARPT (LORAIN)-Water main being run thru the SW corner of fld temp shortening NE/SW strip to 1800'. (9-27)

LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Rnwy 6-24. Army facs ltd. (11-1)

OHIO

★MANSFIELD ARPT-RADIO: Privately owned and operated range and twr which was oper on req and for training purposes is now perm discont. (12-5)
MARION AIRPORT-Use only NE/SW, NW/SE strips W side fld. NE/SW, NW/SE strips extend into cultivated area W end of fld. (6-4)
MATHER ARPT (CLEVELAND)-Closed to trans acft except on special permission Const on 1000' NW/SE, 1100' NE/SW rnwys. (11-25)
MEDINA PRICHARD ARPT (MEDINA)-Soft when very wet. (10-14)
MIDDLETOWN AIRPORT-Right traffic pattern taking off to S, SW and W.
NORWALK AIRPORT-Ditch N end N/S strip adj to side of road. (7-26)
OHIO STATE UNIVERSITY ARPT (COLUMBUS)-Const. Trans use rnwys only. (9-17)
OHIO UNIVERSITY AIRPORT (ATHENS)-3' ditch W end Fld. (5-18)
PARKS WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E, NE, SE. (11-27
PATTERSON FLD (FAIRFIELD)-RADIO: Glide path of Army ILS unreliable for ceilings under 100'. (7-1) Army CCA sys temp deactivated. (8-16)
PATTERSON FLD (FAIRFIELD)-Equip. on fld. (11-1)
PAULDING CO. ARPT (PAULDING)-Soft when wet, land at own discretion. (11-26)
PORT COLUMBUS NAS (COLUMBUS)-RADIO: Effect Dec 23, CAA twr will transmit on 278 kcs, 118.5, 126.18 mcs only. Will guard 3105, 4495, 6210, 3117.5 kcs, 131.9, 118.5, 126.18 mcs. (12-7)
PORT COLUMBUS-NAS (COLUMBUS)-18" trenches being dug on SE side NW/SE rnwy from Admin Bldg to NW end NW/SE rnwy; from Admin Bldg to just W and parallel to Navy opers area terminating at bldg lctn 400' E of E end of E/W rnwy, mrkd. Rnwys unmrkd. (11-4)
RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)
TAYLORCRAFT ARPT (ALLIANCE)-No radio. Left traffic 800' pattern. Student train. and test flying, Land acrdg to wind tee atop NE corner of Hangar. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots must register in Opers Office upon arvl and dptr. (8-23)
WARD ARPT (BEDFORD)-SW end NE/SW strip under const. (11-27)
WELLINGTON ARPT-Right traffic on N and SW rnwys. (10-19)
WILMINGTON-Experimental Flying is being conducted within the following described area: beginning at lat. 39-41. long. 83-01-30; S to lat. 38-48-40, long 83-02-30; NW to lat. 39-11-20; long. 84-00; N to lat. 39-42-10, long. 84-00; E to point of beginning. This area should be avoided at all times.
WRIGHT FLD (DAYTON)-CLOSED TO ALL TRANS MIL ACFT EXCEPT ON AUTHORIZED OFF. BUS. THIS STN OR IN EMERG AND TO ALL TRANS NAVAL ACFT. ALL OTHER ARMY ACFT AND TRANS NAVAL ACFT USE PATTERSON FLD. No svcg 2400 to 0730. Sod area closed. Exten exer and train. flights. Ltd maintenance. No quarters for trans crews. (10-22)
WYNKOOP ARPK (MT. VERNON)-Under const. (6-20)
YOUNGSTOWN ARPT-Use rnwys only. Equip. on fld. (12-5)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron ngts on req only. Rnwy in use lgtd cont. (12-5)

OKLAHOMA

ALTUS MUN. AIRPORT-Avail. only for delivery surplus mil acft or in emerg. Equip on and near N/S rnwy. (12-13)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg only. No fuel or svcg avail. trans acft-use Ardmore Arpt Site 10, FV-WD. Intcm ctc and inst train. in progress. (9-13)
BETHANY AIRPORT (OKLAHOMA CITY)-Use rnwys only. (6-6)
CIMARRON FLD (YUKON)-Now a WAA Sales and Stg. Center. No svcg, repairs or overngt stg. Planes parked on fld. 4 strips indicated by pylons and mrkrs. Line mrkings center of each strip. (11-27)
ENID AAF-RADIO: Army range unreliable. (10-4)
ENID AAF-Ltd parking facs. Use rnwys, taxiways only. (5-8)
GARTHOMFTNER COUNTRY CLUB ARPT (OKLAHOMA CITY)-Only N/S, NW/SE strips avail. (11-26)

GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for termission to use this fld. (6-10)
GUTHRIE INT, SITE 21, FV-WD-Course lgts changed to red. Bndry lgts deccom. (11-25)
HATBOX FLD-MUSKOGEE ARPT (MUSKOGEE)-Use rnwys only - parked acft.
LAWTON ARPT-Obst lgts inop. Bndry, flood lgts on req. (7-24)
MAX WESTHEIMER FLD (NORMAN)-Avail. all acft up to 30,000 lbs days only. Lcl traffic avoid flying over bldg area and corporate limits of Norman. (12-2)
MUNICIPAL ARPT (BOISE CITY)-Emerg use only. (5-11)
NEWKIRK SKYPARK-NW/SE strip under const. (8-3)
NUCKOLS FLD (OKLAHOMA CITY)-Use rnwys only. (1-14)
PERRY ARPT-Closed-emerg use only.
PONCA CITY ARPT-Obst lgts atop 175' twr 1 mi S inop. (12-5)
POST FLD (LAWTON)-Closed to all except liaison type acft. Ext const. Equip on entire W half and NW portion fld. Closed ngts. Flash. bcn atop balloon hangar inop. Soft spots: Const on rnwys. (6-14)
ROOSEVELT-RADIO: Dec 5, VHF range flgt-checked and comm on cont oper on an exper basis only (no facs to control or monitor range). Lat 34-52-00, long. 99-03-48. Freq. 108.7 mcs. Ident "RQP". Visual courses: 53°, 233°; aural courses: 143°, 323°.
SHAWNEE ARPT-Use rnwys, taxi strips only. (11-25)
★TINKER FLD (OKLAHOMA CITY)-RADIO: Army DF stn decomm. (9-24) Army range reported unreliable for orientation and homing. (10-30) FLD: Equip. on Airdrome. (10-24)
TULSA-RADIO: About Dec 16, SE course will be realigned to 287°. (11-29)
TULSA ARPT-Pilots without radio watch twr ltd SE corner fld for lgt signals. Use rnwys, taxi strips only. Const on Terminal Bldg ramp. Equip. on fld days, lgtd ngts. Svcg, crash and fire fighting equip. avail. 0800 to 1700 Mon thru Fri only. (10-25)
WILL ROGERS FLD (OKLAHOMA CITY)-RADIO: About Dec 19, CAA twr will transmit on 272 kcs, 118.7 mcs. 131.9 mcs rcvr, and 126.18 mcs transmitter temp inop. (12-9) FLD: Ditch at approach end Rnwys 30, 35, lgtd. Bndry lgts inop-ctc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 type acft. (11-6)
WOODRING FLD (ENID)-Use rnwys only. (8-5)

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ARLINGTON INT, SITE 12B, FD-SM-Tall grass on fld. (9-17)
BAKER ARPT-Use rnwys only. Equip. on fld days. Erecting 25' unlgtd bldgs adj to and outside bndry lgts-700' E of N/S, 700' S of E/W rnwys. (9-14)
BEAVER MARSH INT, SITE 73, RV-ND-Avail. large acft with ctn-unsafe lgt acft. (12-3)
BLUE STAR ARPK (EAGLE POINT)-Hangars under const. (10-18)
CIVIL AIR PATROL ARPT (WORDEN)-CLOSED (muddy during winter months). (11-25)
EUGENE ARPT-N/S rnwy closed-to be used as taxiway only. (9-13)
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade. (6-5)
HOOD RIVER ARPT-Grading in progress to widen and lengthen strips. (9-16)
**KLAMATH FALLS ARPT-36" rot bcn showing clear and green, certificated, lctd on N side of arpt. Bndry, rnwy ctc, obst lgts avail. All lgts oper sunset to sunrise. (11-23) See page 20.
MADRAS ARPT-Closed to all civil. flying. Acft landing this fld may be detained. (10-8)
MAHLON SWEET FLD (EUGENE)-RADIO: CAA ILS will be comm soon serving the N/S rnwy with approach from the N. Lclzr lctd 1100' S of S end N/S rnwy on centerline with approach lgt land at N end. Freq. 109.9 mcs. Ident. "EU". Glide path lctd 750' from N end N/S rnwy 400' to the E. Freq. 333.8 mcs. Mag. heading for landing: 159°. Two mrkr bcns: middle mrkr lctd .63 mi N of the N end of N/S rnwy on centerline with modulation freq of 1300 cycles keyed alternate dots and dashes. Outer mrkr lctd 4.5 mi N of the N end of the N/S rnwy on centerline with modulation freq 400 cycles keyed two dashes. (12-7) FLD: Equip. on fld. Use rnwys only. (10-6)
MEDFORD AAF-Use rnwys, taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10 mph. No bndry or flood lgts. No maintenance. (10-22)
PORTLAND-RADIO: About Dec 18, Portland LFM will be discont. Concurrently ident of Woodland FM will be changed to two dots four dashes, ident of Willamette FM will be changed to dash dash. (12-6) Lacenter FM will be comm approx Dec 19, lctd 12 mi on N course at lat 45-49, long. 122-30. Ident 4 dashes. (12-5) Data on Willamette rcvd too late for ⓪ symbol.
PORTLAND AAB-East N/S rnwy avail. taxiing only. Flash. lgts on tetrahedron indicates suspension CFR flights. 100 oct, ltd 73 oct avail. Ltd JP-1 fuel avail. Use rnwys, taxi strips only. (11-21)
ROSEBURG INT, SITE 41A, SR-SA-Unlgtd 100' pole 1200' S, 300' E of bndry. (12-3)
SANTIAM JCT. FLIGHT STRIP (IDANHA)-Land to the E, take-off to W. (11-26)
TROUTDALE ARPT-Surplus Acft Sales Center - parked acft.
**WILLSHERON ARPT (SHERIDAN)-ABANDONED. (12-5) These data rcvd too late for inclusion on Flight Planning chart and Directory of Arpts.

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**ALLENTOWN-BETHLEHEM ARPT (ALLENTOWN)-250' twr of Rdo Stn WCPA, erected 2.5 mi SE (136°T) at lat 40-37-43, long 75-23-38. (11-28) Areas off rnwys soft in wet weather. Floodlgts Rnwys 9, 14, 18 inop. 160' stack under const 2 mi SW, lgtd. 250' twr Rdo Stn WCPA 2.5 mi SE (136°) true temp lgtd with lantern. (12-5)
ALTOONA-BLAIR CO. ARPT, SITE 24A, CO-PG-Use rnwys only. (12-5)
BARNETT ARPT (CANADENSIS)-Closed during winter months. (11-15)
BEAVER FALLS ARPT-Patterson Heights Arpt-1.5 mi S Beaver Falls is not under const, entirely avail. New fld, Beaver Falls Arpt closed-under const and soft. (3-30)
BLOOMSBURG ARPT-Temp too soft for use (recent floods). (6-1)
BUTLER-ALAMEDA ARPT (BUTLER)-Pilots avoid hospital area adj arpt: Use right traffic on W take-off. (11-27)
CARLISLE ARPT-NW/SE strip under const. Use ENE/WSW strip only. (6-11)
CECIL-RADIO: Visual and aural FM signals reported in Vcnty of Imperial, Pa.
CHAMBERSBURG-High explosives being discharged approx 7 mi NW thru Feb. 5, 1947, daily Mon thru Sat 0800 to 1700 within the following area: N bndry lat. 40-01; S Lat 39-59-30; E long. 77-47; W long. 77-49. (8-3)
CHEMUNG VALLEY ARPT (ATHENS)-500' extension E end E/W strip under const. (5-31)
CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. Lgt acft may land in grass area immediately S of E/W rnwy-avoid area in wet weather. (11-28)
CUB HAVEN AUX. SEAPLANE BASE (LOCK HAVEN)-Closed during winter months. (11-15)
DALEVILLE ARPT-Right traffic used on take-off in the direction of S by SE. (11-29)
EAST SCRANTON ARPT (SCRANTON)-Emerg use only. (5-28)
GREATER PITTSBURGH ARPT (PITTSBURGH)-Use rnwys only-shoulders soft. CFR plans only. Ltd Army facs. No 91 oct. No sto. Rnwy 32, first 500' of Rnwys 23, 27 closed. Equip. on fld. (9-24)
HARRISBURG STATE ARPT (HARRISBURG)-Use rnwys only. (12-5)
JOHNSTOWN ARPT-Use rnwys only. (7-1)
JOHNSVILLE ARPT-RADIO: Navy twr temp inop on Sun. (4-26)
KAISER FLD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only. (5-27)
LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd-stay between red flags. Sinkhole extreme E end E/W strip-2 holes S end N/S strip, mrkd. (11-27)
MILLBROOK-RADIO: VHF range temp. shut down. (5-10)

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MT. POCONO ARPT-SITE 21, BUFFALO-NEW YORK-Shoulders NE/SW rnwy rough, not graded. Hazardous ruts along S side NW/SE rnwy. Use rnwys only. (5-22)
MT. UNION ARPT-Left traffic 600' pattern. Student train. Land acrdg to wind tee S end fld. Wind sock atop hangar. Use rnwys, taxi strips only in wet weather. Entire fld usable in dry weather. (12-2)
MUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familar with fld and surrounding obsts. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Arpt for ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. (8-5)
OLMSTED FLD (MIDDLETOWN)-Ngt landings hazardous. Obsts adj fld. 81' high tension wires across approach zones Rnwys 29, 14. Lgtd obsts between Rnwys 29, 32, approx 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgbd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to B-29 opers. Use rnwys 11, 32 for ngt landings. (10-14)
PHILADELPHIA NORTHEAST ARPT (PHILADELPHIA)-Avail. radio-equipped acft. Use rnwys only. Equip. on fld intmtly days. Trans pilots must register in Admin Bldg on arvl and deptr. (10-15)
PHILADELPHIA SOUTHWEST ARPT (PHILADELPHIA)-RADIO: Lclzr, middle and outer mrks of CAA ILS operating cont on 109.9 mcs for test purposes only Transmitter lctd E end E/W rnwy. Idcnt. "POP". (11-19) FLD: Closed to non-radio-equipped acft except in emerg. Const on fld. Use rnwys only. Use ctn in taxiing. (10-8)
PITTSBURGH-RADIO: DF stn temp inop. (11-24)
PITTSBURGH-ALLEGHENY CO. ARPT (PITTSBURGH)-Army acft use in emcfg only or on written orders. Use Greater Pittsburgh Arpt. Outgoing AAF flights clear thru AAF Flight Service. N/S rnwy closed. Equip. on fld, mrkd. Closed to non-radio equipped acft. (12-5)
PITTSBURGH-BETTIS ARPT (PITTSBURGH)-Right traffic on NE and NW rnwys. (11-30)
PITTSBURGH-BUTLER ARPT (BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (11-27)
READING ARPT-RADIO: CAA ILS comm Oct 9 on Rnwy 36 on exper basis. Lclzr on 109.5 mcs. Not flight-checked. Lclzr temp inop. (11-11) FLD: Ridges S and E within 4 mi of fld up to 1200' MSL. Equip. on fld days. Right traffic pattern on Rnwys 13 and 18. (6-11)
SMILIN' JACK ARPT (DOUGLASVILLE)-Center of fld being graded. NE/SW strip closed. Use N/S strip. (12-3)
STAR VALLEY ARPK (CHARLEROI)-Equip. on strip intmtly. Unusable in wet weather. (11-22)
SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings. (10-15)
VALLEY FORGE ARPT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (5-29)
VANDERGRIFT ARPT-Being repaired - use only center of strips. (4-25)
WEST CHESTER ARPT-Strips under const. (4-15)
WILKES-BARRE-WYOMING VALLEY ARPT (WILKES-BARRE)-Use rnwys only. (11-14)
WILLIAMSPORT ARPT-Closed ngts. Avail. emerg landings only. (10-4)
WILLOW GROVE NAS-Closed ngts. Equip. sides all rnwys days-lgts being installed. IFR inbound flights will be accepted daylgt hrs but no IFR outbound flights may be made. (9-16)
WINGS FLD (AMBLER)-NW/SE rnwy unusable (plowed up). Hangar const S side of fld. Fld being graded, mrkd days. (9-14)

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CHARLESTOWN NAAS-Const. Low Alt formation break-up. Use ctn below 1000' Alts. Equip. on Rnwy 4-22.
GREENE, THEODORE FRANCIS, ARPT (PROVIDENCE)-Use rnwys only. Turf channels avail. lcl instruction purposes only. (12-10)

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**CHARLESTON MUN ARPT.-Bldg on sodded area bet NW/SE rnwy and taxi strip. 1500' S on NE end rnwy and 325' from edge, mrkd. 10' antenna shelter 45' long on center line 1200' from SE end NW/SE rnwy, mrkd. Use rnwys only. (11-19) Army temp inactive-civil. facs. (11-19)
CLARK FLD (CHARLESTON)-Strips rough. (4-19)
FLORENCE ARPT-Closed ngts (bcn, rnwy, obst lgts inop). (12-5)
GEORGETOWN CO. ARPT (GEORGETOWN)-Bcn inop. (12-1)
**GREENVILLE ARPT-Bndry lgts discont. (11-21)
GREENVILLE AAB-Only 73, 100 oct. Wind tee rmvd. Tetrahedron lgts inop. Non-radio equipped acft watch twr for landing direction. (10-3)
LEXINGTON CO. ARPT (COLUMBIA)-RADIO: Twr will be inop during period when wind velocity at Columbia is in excess of 25 MPH. FLD: Ltd army svcg 0800 to 1300. (11-23)
MEMORIAL ARPT (SPARTANBURG)-Use rnwys. taxi strips only. (11-7)
MYRTLE BEACH AAB-Inst train. at 1000 to 5000' alts 50 mi radius during IFR.
NORTH ARPT-Temp inactive. No facs. (See Special Notice re use).
OWENS FLD (COLUMBIA)-RADIO: Soon, DT fac of CAA range will be relctd at Lexington Co. Arpt. (12-7) FLD: Use rnwys only. Req pilots avoid pivoting acft on NW end NW/SE rnwy. Small acft parked on ramp front Admin Bldg, mrkd. (12-5)
PARRIS ISLAND MCAS-Use in emerg only (caretaker status- no facs).
WOODWARD FLD (CAMDEN)-RFC planes parked entire fld off rnwys. Use rnwys, taxi strips only. No facs for closing flight plans other than fone. Flgt plans should be closed with Shaw Fld twr before landing. Closed ngts. (12-6)

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ANDERSON ARPT (MITCHELL)-Use strips only. (12-2)
BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (8-5)
BIEDENFELT FLD (FAULKTON)-Hay stacks on fld.
BROOKINGS ARPT-W portion fld soft in wet weather, bal fld usable with ctn. (11-15)
PIERRE ARPT-Tetrahedron unreliable. (12-5)
PLATTE ARPT-Use strips only.
★RAPID CITY-RADIO: VHF voice fac comm at commun stn Dec 9. Tr. sp'and gds 116.1 mcs cont. Stn class: SBRAZ-VDT. These data revd too late for inclusion in "ANRA" and "Flgt Planning Charts" Army ILS temp suspended. FLD: No svcg or opers 1900 to 0700 daily. (10-9)
SIOUX FALLS ARPT-Use rnwys only. Tetrahedron rmvd. Obst lgts atop 266' Cathedral spires 1-3/4 mi SSE inop. (12-9)
★WATERTOWN-RADIO: VHF voice fac comm at commun stn Dec 6. Transmits on and gds 116.1 mcs cont. Stn class: BMRLZ-VDT. These data revd too late for inclusion on "Flight Planning Charts" and in "ANRA"
W.W.HOWES ARPT (HURON)-Closed to all acft exceeding 25,500 lbs. Blinding 30 million candle pwr ceilometer 1000' NW bcn. (9-27)

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BEACHVILLE, BCN SITE 63, DL-LV-Will be comm at new lctn soon. (10-18)
BERRY FLD (NASHVILLE)-Use rnwys only-rnwy, taxiway shoulders soft. (10-18)
CHATTANOOGA-RADIO: Soon, cont listening watch on 3117.5 kcs will be discont. (11-20)
CHATTANOOGA ARPT-LOVELL FLD (CHATTANOOGA)-Intmt dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (9-25)
CORNELIA FORT ARPK (NASHVILLE)-Landings and take-offs to S use left hand traffic, to N right hand traffic. (7-24)
CUMBERLAND FLD (NASHVILLE)-Strips under const. (1-26)
EMBRY RIDDLE FLD (UNION CITY)-Use rnwys only - parked acft.

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KNOXVILLE-McGHEE TYSON ARPT (KNOXVILLE)-S taxi strip closed. No markings on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. (10-3)
LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)
McKELLAR ARPT (JACKSON)-Use rnwys only - parked acft.
*MEMPHIS ARPT-RADIO: Voice fac and ident comm on CAA ILS Nov 30. See Page 104. Lclzr courses aligned by flight check. Twr and approach control will be inop during period when wind velocity at Memphis is in excess of 45 MPH. At such times, traffic will be controlled by lgt gun signal from lctn atop
** term bldg on S side arpt. (11-19) FLD: Neon approach sys comm, lctd W end E/W rnwy, commencing with green courses lgt or stn no. 1 lctd 165' W of end of rnwy and extending westward in 15 stn to a distance of 1565', operates cont. during hrs of darkness, during daylgt hrs when IFR weather prevails, and at any other time on special req to ctl twr. (11-23) Fld badly eroded. Use rnwys only-shoulders soft. Equip. on fld. Avail. priv. acft equipped with fully operating 2-way radio transmitting on one of the following freqs: 3105, 4495, 6210 kcs. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in priv acft not permitted. (11-23)
MEMPHIS NAS-CLOSED NGTS EXCEPT IN EMERG. Flight plans should be addressed to "MEMPHIS NAVY". Ngt flying in 5 mi radius up to 2500'. Exten flight opers in 15 mi radius. Traffic left at 1000'. Resurfacing Rnwys, mats. Red rot. bcn indicates IFR. (8-6)
MT. JULIET-RADIO: FM flgt-checked and oper found normal. (12-5)
NASHVILLE-125' radio twrs adj to Nashville Range Stn being dismantled. (11-31
**SMYRNA AAF (NASHVILLE)-RADIO: Army DF stn decomm. (9-24) Army ILS temp inop. (6-25)
TRI-CITY ARPT-RADIO: Oct 5, CAA twr comm, operating 0800-2100. Lgt gun only. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only -rough. Soft when wet. (10-22)

[redacted]

ABILENE AAF-Closed-emerg use only.
ABILENE AIR TERMINAL, (ABILENE)-E/W rnwy avail. only on permission of control twr. (9-3)
ALICE ARPT-Rnwy lgts not visible on final approach-lgts obscured from air by grass and vegetation. (10-20)
ARLEDGE FLD-MAIN AIRDROME (STAMFORD)-Use rnwys only - parked acft. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (6-3)
ARLINGTON (MIDWAY) ARPT-NE/SW rnwy unsafe-NW/SE rnwy usable with ctn. Rnwy lgts inop. (11-22)
ASHERTON ARPT-High brush - use strips with ctn. (6-11)
AUSTIN-RADIO: Range flight-checked, courses correctly aligned, break in stn lctn mrkr lgt pattern. (5-23)
AUSTWELL INT, SITE 5A, CR-HU-Unsafe (soft). (9-23)
**BALLINGER ARPT-2.5 mi NW, ABANDONED. New fld reported 7 mi E. (11-22) See page 116.
BEROSTROM FLD (AUSTIN)-RADIO: Army ILS temp inop. (10-2) FLD: NE/SW rnwy closed. Unlgtd 20' lclzr truck and antenna 1500' on an extended center line from N end Rnwy 17L. (11-7)
**BIGGS FLD (EL PASO)-RADIO: Army DF stn decomm. (9-24) Army ILS (CAA type) temp inop. (5-16) Army air to gnd stn freq. of 4630 kc. is inop. (11-20) FLD: Const on rnwys. Dirt landing strip at old fld closed for resurfacing. Five 90' twrs under const 2000' E of N/S rnwys lgtd. (10-22) See notice under White Sands Proving Ground, N. M.
BRUCE FLD (BALLINGER)-Use rnwys only - parked acft.

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BRYAN AAF-Temp inactive. No facs. (See Special Notice re use).
CAMP HOOD LANDING FLD (KILLEEN)-CLOSED EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. AAF oper facs avail. Ngt opers on previous arrangements. Right traffic to N, left to S overhead approach. E/W rnwy closed. (6-28)
CARTHAGE AIR SERVICE ARPT (CARTHAGE)-E/W strip under const. (5-28)
CHILDRESS-RADIO: Sept 24, VHF range on exper status only comm and flight checked for cont oper at lat 34-22-12, long. 100-17-12, lctd approx 5-1/2 mi SW of Childress. Freq. 109.1 mcs. Ident. "CM" (- . - . - -). Visual courses: 53°, 233°; aural courses: 323°, 143°. (7-25).
CHILDRESS AAF-Temp inactive. No facs. (See Special Notice re use).
CLEVELAND-RADIO: Exper VHF range temp inop. (10-15)
CLIFF MAUS FLD (CORPUS CHRISTI)-Use rnwys only during wet weather. (9-12)
COX AAF (PARIS)-Temp inactive. No facs. (See Special Notice re use).
CUERO ARPT-In wet weahter land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings should be made within orange cone bndrys. Use stripe only - parked acft. No sveg or lgts.
ELDORADO ARPT-E/W strip soft in wet weather. (12-6)
ELLINGTON FLD (HOUSTON)-RADIO: Army air to gnd stn. temp. inop. (11-20) FLD: Closed to VHB acft except in emerg. Temp inactive-no facs. (See Special Notice re use).
**EL PASO MUN ARPT-ED ANDERSON FLD (EL PASO)-RADIO: CAA ILS, minus mrkrs, voice and keying flgt-checked Dec 6 and comm on cont oper. See Page 88.
ENGLISH FLD (AMARILLO)-Use rnwys, taxi strips only. Army temp inactive - civil. facs. (7-26) 175' tank being erected 6 mi WSW (255°) true. 250' derrick being used during const, lgtd. (11-14)
**EULESS, BCN SITE 1, FV-AG-Decomm Dec. 9. (12-9)
FORNEY-RADIO: FM on E course of Dallas range inop. (10-2)
FORT WORTH AAF-Rnwys 3-21 and E/W closed. 40' trees immediate end Rnwy 35L. (9-16)
GAINESVILLE AAF-Use rnwys only. (8-10)
GASKIN FLD (SHERMAN)-Use rnwys only.
GIBBS FLD (FORT STOCKTON)-Use rnwys only - parked acft. Use only in emerg.
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (5-22)
GOODFELLOW FLD (SAN ANGELO)-Use rnwys only. Ctc Goodfellow Radio 15 mi out in IFR weather. Acft flying N or E on range maintain odd 1000' alts. Acft flying W or S maintain even 1000' alts unless otherwise advised by Goodfellow Radio. Local inst acft using range. Ltd parking, sveg facs. (10-16)
GRAND PRAIRIE OLR-CLOSED TO ALL TRANS ACFT EXCEPT PTs. Ngt train. within gliding range from sunset to midngt at alts to 2000' above terrain. (7-1)
**GROESBECK ARPT-Lat 31-31-15, long. 96-30-30. (11-22) See page 117.
GUTHRIE-RADIO: VHF range will be comm soon at lat 33-46-30, long. 100-20-09. Freq. 108.3 mcs. Ident. "UH" Visual courses: 72°, 252°; aural courses: 162°, 342°. (12-9)
HEARNE BCN SITE, 15, CR-HC-Dsn inop. (5-16)
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. (7-31)
HICKS FLD (FT. WORTH)-Use strips only - parked acft. (4-25)

HITCHCOCK NAF-LTA-RADIO: 6390 kcs transmitter and rcvr temp inop. (3-12)
HOLMAN ARPT (WICHITA FALLS)-Use strips only. Ctc Wichita Falls Radio for ngt landings. (5-12)
HOUSTON ARPT-Use rnwys, taxi strips - ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip. on fld. (8-12)
JUNCTION-RADIO: VHF range will be comm soon at lat 30-38-00, long. 99-58-43. Freq 108.7 mcs. Ident. "JT". Visual courses: 128°, 308°, aural courses: 38°, 218°. (12-9)
KELLY FID (SAN ANTONIO)-Acft on fld. Use rnwys only. 190' lgtd twr const W Rnwy 14-32. (9-17)
LAMESA FID-Gov't owned acft parked W half fld. Use rnwys only. (6-6)
LAUGHLIN FID (DEL RIO)-Closed-emerg use only.
LONE OAK, BEACON SITE 5, DL-LV-Temp discont. (9-18)
LOS FRESNOS-RADIO: FM flgt-checked Dec 1, oper normal. Ident of FM on Brownsville range will be changed to one dash about Dec 17.
**LOVE FID (DALLAS)-Bndry lgts on req. (12-2) See Page 97. Rnwy 4-22 closed. Soft areas along taxi strips when wet. 30 million candle pwr ceilometer projector 1000' N of twr. Acft must be equipped with radio tuned to twr Freq. (11-15)
LUBBOCK AAF-Temp inactive. No facs. (See Special Notice re use).
MAJORS FID (GREENVILLE)-Bcn inop. (11-26)
**MARATHON ARPT-ABANDONED. (8-27)
MARFA AAF-Temp inactive. No facs. (See Special Notice re use).
MATAGORDA ISLAND BOMBING AND GUNNERY RANGE (MATAGORDA ISLAND)-Temp inactive. No facs. (See Special Notice re use).
MEACHAM FID (FORT WORTH)-RADIO: CAA ILS will be comm soon serving N/S rnwy with approach toward S. Mag. heading for landing: 173°. Voice-equipped lclzr will operate on 109.9 mcs. Glide path on 333.8 mcs. Two mrkr bcns: outer mrkr 4.09 mi N of N end N/S rnwy, keyed 2 dashes per sec; middle mrkr 0.7 mi N of N end N/S rnwy, keyed with alternate dots and dashes. (10-8) FID: In wet weather use rnwys, taxi strips only. 260' single vertical twr being const 4 mi ESE (115°) true, temp lgtd. (11-7)
MERCEDES-RADIO: About Dec 17, ident of FM on Brownsville range will be changed to four dashes.
MIDLAND AAF-Temp inactive. No facs. (See Special Notice re use).
MIDLAND ARPT NO. 2-Fire and crash equip, svcg avail. 0800 to 2000 Mon thru Fri only. (11-25)
MINERAL WELLS ARPT,new-Use rnwys, taxi strips only, graded areas unsafe. (7-15)
MONTGOMERY CO ARPT (CONROE)-Use in emerg only - no facs.
ORANGE AIRPORT-NE/SW, NW/SE strips under const. Use only E/W strip. Fld flooded after rains. (7-10)
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (10-21)
PAMPA ARPT-Hangars being const along N/S hangar line parallel to N/S strip. (10-18)
PAMPA AAF-Closed-emerg use only.
**PERRIN FID (SHERMAN)-No lgts (12-4) See Page 96. Temp inactive-no facs. (See Special Notice re use). Rnwy 3-21 closed. Acft parked S edge fld.
PIOTE AAF-Rnwys 18-36, 7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (11-6)
RANDOLPH FID (SAN ANTONIO)-Trans acft use E side fld. (10-16)
RAYMONDVILLE INT, SITE 5, JI-FV-Lgt acft use ctn-gopher holes. (11-28)
**RICH FID (WACO)-ABANDONED. (12-1)
RIO GRANDE VALLEY INTERNATIONAL ARPT (BROWNSVILLE)-Rnwy 4-22 closed. Use rnwys, taxi strips only. Bldg 300' E, 700' S of N end Rnwy 17-35 lgtd. Civil. acft may be cleared thru this arpt for foreign flights. Army acft. use Kelly Fld. Portable control twr 40' SW base of old twr. Obst lgts atop 90' antenna poles 3 mi N and 3 mi S inop. (10-28)
ROBERT MUELLER ARPT (AUSTIN)-Acft landing or taking off on Rnwy 34R use right traffic pattern. Acft landing or taking off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. Soon, tetrahedron will be moved from N side of fld and relctd near center portion fld between N/S and NW/SE rnwys. (11-20)
ROCKPORT ARPT-Closed except in emerg. Fire and crash equip removed. (8-1)
SALTILLO, BCN SITE 9, DL-LV-Temp discont. (9-18)
SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio A.T.C. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or S an Antonio Range Stn and adhere to instructions issued by San Antonio A.T.C. Acft outbound from Randolph Fld adhere to instructions issued through Randolph Twr.
SAN ANTONIO ARPT-ALAMO FID (SAN ANTONIO)-RADIO: Middle and outer mrkrs of CAA ILS will be shut down Dec 16 for approx two wks (const). (12-3) FID: Ltd svcg. Closed ngts to all civil. acft except scheduled airlines.(10-17)
SAN BENITO INT, SITE 2, JI-FV-Hangar under const 200' NE bcn twr and 200' N Opers Office, mrkd. (10-28)
SAN MARCOS AAF-Ctn-helicopter and liaison pilot training. (10-15)
SHEPPARD/KELL MUN. ARPT (WICHITA FALLS)-N/S rnwy W of fld rstd to acft 200 hp or less. Use rnwys only. Army temp inactive-civil facs. Opers open only between 0800 and 1700 daily. (10-15)
SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible from twr due to parked acft. Stn sto acft rcvd only between 0800 and 1630 Mon thru Fri. Svcg opers avail. 0800 to 2200 Mon thru Fri only. (11-29)
STINSON FID (SAN ANTONIO)-RADIO: Soon twr will be oper by lgt gun during CFR, daylgt hrs only. (11-25) FID: Right traffic Rnwys 9,14,17,22. Left traffic on all other rnwys. Traffic 800' above terrain 1367' MSL. Avail. days only. Rnwy 17-35 closed. (11-12)
TAYLOR ARPT (ALBANY)-CLOSED (rnwy const). (4-4)
TERRELL, BCN SITE 6, FV-AG-Temp discont. (9-18)
TEXARKANA-Demolition operations are being conducted approx 15 mi WSW Texarkana Arpt, 0800-1615 daily except Sat and Sun. All acft cautioned to fly above 1500' over this area.
TYLER-RADIO: About Dec 15, VHF voice fac will be comm at communication stn on 116.1 mcs.
VICTORY FID (VERNON)-Use rnwys only (parked acft). Avail. days only.(6-3).
WHITE FID (BRADY)-CLOSED. (8-7)

BRYCE CANYON-RADIO: 116.1 mc transmitter and rcvr, 131.7 mc rcvr and 111.1 mc transmitter temp inop. (10-2)
DELTA AIRPORT-Use rnwys only. (6-22)
DUGWAY FID (TOOELE)-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG.
ENTERPRISE INT, SITE 39, LA-SL-Closed to lgt acft-rough. 25' unlgtd bldg under const adj fld 90' N of SE corner. (10-23)
HANKSVILLE-RADIO: 111.1 mc transmitter and 131.7 mc rcvr temp inop. Stn unmanned from 2200 to 0600. (11-10)
HANKSVILLE INT, SITE 54, LA-DV-Ngt landings to be made on E/W strip. (12-4)
HILL FID (OGDEN)-RADIO: Army DF stn decomm. (9-24) Army air to ground stn freqs of 137.88 mcs, 4765,2862,4697.5 kcs voice; 8200 kc CW inop. (11-20)
MILFORD ARPT, SITE 45, LA-SL-Lgtd bldgs being const 300' N of bcn twr E side fld. Unlgtd bldgs SE corner fld S of and adj to bcn twr. (12-9)
PROVO ARPT-Soft shoulders. Fld lgts avail. on req. (7-18)

UTAH

SALT LAKE ARPT NO. 2 (SALT LAKE CITY)-Use rnwys, taxiways only, shoulders soft. (6-5)
SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail. (5-3)
★SALT LAKE CITY ARPT NO. 1-RADIO: CAA ILS comm Dec 3, oper cont. See Page24
FID: Prevailing wind rnwy lgts operating ngts. Use rnwys-shoulders soft. Equip. ahead of Rnwys 31 and 34. (10-25)
WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E, in the Low Flight Strip area, from 0800 to 1800. See chart 23.
WENDOVER FID-CLOSED TO ALL TRANS ACFT EXCEPT ON OFF. BUS. OR IN EMERG. Opera inop 1700 to 0730. No svcg 2000 to 0730. Fld lgts avail. only on adv req. Obst lgts on mtn N of fld inop. (10-14)

VERMONT

BARRE-MONTPELIER ARPT (BERLIN)-Use rnwys only. (8-7)
BURLINGTON ARPT-Use rnwys only. (12-3)

VIRGINIA

ALBERTA ARPT-ENE/WSW strip rough. Ends, sides ENE/WSW, NNW/SSE strips mrkd by 12' yellow mrkrs. (5-24)
ALTAVISTA ARPT-200' NE end of fld unusable in wet weather. (5-23)
BLACKSTONE AAF-Temp inactive. No facs. (See Special Notice re use).
CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (5-20)
CHINCOTEAGUE NAAS-Closed 1700 to 0800 except in emerg or on req with 2 hrs notice. Bcn operates all ngt except during lcl ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. (9-5)
COLONIAL BEACH ARPT-CLOSED (wet - high grass). (8-9)
DAHLGREN NAF PROVING GROUNDS-CLOSED TO TRANS MIL ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Off. flights must be cleared thru one of the following: Naval Air stns: Anacostia, D.C.; Patuxent River, Md; Norfolk, Va; Quonset Point, R.I.; Cape May CGAS, N.J.; Inyokern NAF, Calif.; NAF Torpedo Stn, Newport, R.I.; Naval Acft Factory, Philadelphia, Pa; Cherry Point MCAS, S.C., Quantico MCAS, Va; AAF Proving Gnds, Eglin Fld, Valparaiso, Fla; Langley Fld, Va.; Wright Fld, Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md; Lakehurst NAS, N.J. 1 rnwy closed. Equip on fld. Only 1 rnwy avail. ngts. (8-28)
DANVILLE ARPT-Use rnwys, taxi strips only, bal fld soft, rough. (11-22)
EMPORIA ARPT-Fixed tee, wind sock being lctd on hangar S side fld. Hangar under const. (5-4)
FORTRESS NAAS-Use in emerg only (caretaker status - no facs).
HARCUM ARPT-Use NE/SW strip only between yellow cone mrkrs. (6-14)
HOPEWELL ARPT-SE portion under const. Equip. on fld. (6-7)
HYBLA VALLEY ARPT (ALEXANDRIA)-Surplus Acft Sales Center - parked acft.
LANGLEY FID-RADIO: N course of Army range swinging 5°W, bear. 167°. FID: Rnwy 2-20 closed. Rnwy 12-30 closed ngts. (10-28)
LOVING FID-SITE 35A, NASHVILLE-WASHINGTON (PULASKI)-Observe right traffic pattern for landings from SW on NE/SW rnwy. (8-1)
MILFORD INT, SITE 49B, AG-LG-NE/SW strip unsafe. (5-9)
MONOGRAM NAAS (DRIVERS)-Use in emerg only (caretaker status - no facs).
MT. VERNON-See Special Notice under District of Columbia.
NORFOLK-RADIO: VHF range comm FOR TEST PURPOSES ONLY Sept 26. Lctd at lat 36-48-18, long. 76-12-06. Ident. "NW" Freq. 108.7 mcs. Visual courses: 20° 15', 200° 15'. Aural courses: 110° 15', 290° 15'. Class: VARW. Aligned by ground check only. (9-28)
NORFOLK NAS-EAST FID-Shoulders adj perimeter taxiway soft. Pilots on Southbound coastal flights proceeding in accordance with IFR to NAS Norfolk, shall estab radio ctc with twr at NAAS Chincoteague, Va., for further clearance instructions from Navy Norfolk. Pilots on Northbound coastal flights proceeding in accordance with IFR to NAS Norfolk shall estab radio ctc with Navy Weeksville Radio, NAS (LTA) Weeksville, Elizabeth City, N.C, for further clearance and instructions from Navy Norfolk. Equip on fld. (7-22)
OCEANA NAAS-Rnwys, taxi strips under const. Facs avail. 0800 to 1630 Mon thru Fri. Acft clearances not accepted 1630 to 0800 Mon thru Fri. Essential mil flights accepted anytime on prior notification. (9-26)
ORANGE CO. ARPT (ORANGE)-E/W strip under const. (9-27)
PETERSBURG ARPT-CLOSED (const.). (8-2)
PRESTON GLENN ARPT (LYNCHBURG)-Use rnwys only. Pwr line ext of 2 poles approx 3200' NW of W end E/W rnwy and 3 poles approx 3600 to 3800' W of W end E/W rnwy, unlgtd. (12-3)
QUANTICO MCAS-Closed sunset to sunrise except in emerg. (11-14)
RICHMOND-Kiko Aux. Fld, 5 mi E of Richmond AAB, is similar in design and layout to the Richmond AAB, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse this fld with the Richmond AAB.
RICHMOND AAB-L&d Army svcg facs. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft. Acft landing this fld without estab. rdo commun. with twr watch carefully for lgt gun signals-twr lctd in center of triangle of rnwys. (8-7)
SHENANDOAH ARPT-N/S strip under const. (10-28)
UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn on E/W strip in wet weather. (10-18)
VALLEY ARPT (WAYNESBORO)-Grading equip. on fld. One rnwy open. (10-12)
WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (6-7)

[redacted]

SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flat Planning Chart #3, Spokane Sectional, and Washington 5 Danger Area Charts).
ARLINGTON NAAS-Use in emerg only (caretaker status - no facs).
**BELLINGHAM ARPT-Two 300' rdo twrs of Sta KVOS, erected 5 mi SE at lat 48-42, long. 122-25. Painted and shows flash, obst lgts atop each. (11-20) Do not taxi off surfaced areas-sodded portions soft. (10-28)
CLE ELUM ARPT-Equip. on fld days. Use taxi strip N of and parallel to rnwy for landings. (10-28)
COLVILLE ARPT-NW/SE strip closed. (11-6)
CONNELL ARPT-18" grass and weeds on fld. (7-17)
COUPEVILLE OLF-Closed except in emerg. Training use requires 24 hrs adv notice thru Whidbey Island NAS. (9-11)
DOROTHY SCOTT ARPT (ORDVILLE)-2' weeds S 1000' N/S strip. (7-1)
EASTON INT. SITE 5B, SA-HL-CLOSED (snow). (11-22)
EASTON RIDGE, BCN SITE 57, SA-HL-Bcn inop. (10-17)
EPHRATA ARPT-Loose cattle on fld. (10-7)
FAIRWEATHER FID (REPUBLIC)-Soft. Cattle on fld. (7-17)
FELTS FID (SPOKANE)-Fancher Bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. (8-28)
GEIGER FID (SPOKANE)-Temp inactive. No facs. (See Special Notice re use).
HAFER'S RANCH ARPT (CHEWELAH)-Closed pending decision re abandonment. (7-1)
KENMORE ARPT (BOTHELL)-Avail. emerg use only - cattle. (9-10)
KING CO. ARPT-BOEING FID (SEATTLE)-Use rnwys, taxi strips only. Equip. adj Rnwy 13-31. (11-22)
LAKE SAMMAMISH SEAPLANE ANCHORAGE-(ISSAQUAH)-CLOSED. (4-26)
MARTIN FID (COLLEGE PLACE)-Const on strips. Strip 2500 x 150' cleared and

WASHINGTON

MARTIN FID (COLLEGE PLACE)-Const on stripe. Strip 2500 x 150' cleared and flagged center of fld for landing. (11-7)

McCHORD FID (TACOMA)-RADIO: Army ILS (CAA type) temp inop. (6-12) FID: Use rnwys, taxiways only. Equip. on fld. Glide path bldg 13' high with 25' antenna being erected about 1340' E of S end N/S rnwy and 250' E of Rnwy centerline; lgtd ngts. (12-13)

★MONROE-RADIO: FM on NE course of Seattle range decomm Dec 2.

MOSES LAKE AAF-Temp inactive. No facs. (See Special Notice re use).

MT. VERNON OLF-Closed except in emerg. Training use requires 24 hrs adv notice thru Whidbey Island NAS. Bcn inop. (10-1)

OLYMPIA ARPT-Rot. bcn flash. green and yellow used to warn lcl and trans acft of approach of scheduled transport acft. Bcn turned on five minutes before arvl and turned off upon arvl and landing of acft. (12-7)

PAINE FID (EVERETT)-Ngt lighting immediately avail. to radio-equipped acft by contacting Everett Radio. Closed to all other acft between sunset and sunrise except by arrangement with arpt mgr or CAA Commun Stn. (12-9)

PASAYTEN USFS ARPT (WINTHROP)-Horses on strips intmtly. (7-1)

PASCO-See Special Notice (first item under state heading).

PASCO NAS-Use in emerg only (caretaker status - no facs).

PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-Avail. lgt acft only. (11-26)

RICHLAND AIR BASE-NW/SE strip under const. (8-19)

ROSALIA MUN. ARPT-12" grass and weeds. (7-16)

SAVAGE FID (CHENEY)-Moderate soil erosion intmtly. (9-14)

SEATTLE-All acft advised not to fly below or near blimps in Puget Sound Area.

SEATTLE NAS-Single-engine acft approach stn from Kirkland at 1000' alt. Sea plane landing approach over Lake Washington from N or S under 200'. Rnwy 14-32 lgtd 30 minutes prior to arvls and take-offs and on req from sunset to sunrise. Tetrahedron lgtd sunset to sunrise. (11-26)

SEATTLE-TACOMA ARPT (SEATTLE)-RADIO: ILS emits lclzr signals on 110.3 mcs, bndry and outer mrkr signals on 75 mcs ccnt. These signals may at times be spurious and are not to be relied upon for any purpose. (10-8) FID: Equip on fld days. Const approx 20' N of N end NE/SE rnwy. (8-22)

SPOKANE AAF-Use rnwys only. (4-25)

SPRAGUE ARPT-Use N side and 1050' W end of strip, bal rocky and soft. Cattle on fld. (9-14)

★STEVENSON-RADIO: FM comm Dec 4, at lat 45-42-36, long. 121-54-23. See Page 1.

SULLIVAN LAKE ARPT (METALINE FALLS)-2' grass and weeds. (7-1)

TOLEDO INT, SITE 63B, SF-SA-Use strips only-sodded portions soft. (11-18)

★WALLA WALLA AAF-RADIO: Army twr recomm. (12-3) See Page 4. FID: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG-NO FACS. All blinker lgts on mtns E of fld inop. Twr, bndry lgts inop. (11-15)

WESTPORT ARPT-Driftwood on fld after extremely high tides. (7-21)

WHIDBEY ISLAND NAS-AULT FID (WHIDBEY ISLAND)-Bcn opers on IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. (9-11)

WILBUR ARPT-Center 200' strip avail. Equip. on fld. (8-8)

YAKIMA CO ARPT (YAKIMA)-RADIO: Soon, twr voice and rcvg facs will be shut down (const), concurrently traffic controlled by lgt signals only. FID: Use rnwys, taxiways only - graded areas soft, rough. (11-18)

TEXAS

TRINIDAD-Carlsen Fld-Edinburgh (North)-Rnwy closed to all Navy traffic except in emerg. Use Xeres (South) rnwy.

WEST VIRGINIA

**BOLLINGER ARPT (CHARLESTON)-320' twr of Rdo Stn WTIP, erected 3 mi NE (54°T) at lat 38-20-44.5, long. 81-39-30.5, lgtd at 100' levels, flash. red on top. (12-2) Obst lgts all levels NW 240' twr Rdo Stn WKNA 5 mi N inop. (12-9)

ELKINS ARPT-Contact Elkins Radio or circle fld before landing. (7-16)

LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy rains. (6-4)

★MORGANTOWN-RADIO: Dec 9, courses realigned to: 31°, 135°, 211°, 315°. These data rcvd too late for (R) symbol and for inclusion on "Flgt Planning Charts".

SCOTT FID (BECKLEY)-Use right hand traffic pattern. (5-7)

WISCONSIN

CHAPLIN'S ARPK OPLYMOUTH)-NE/SW, NW/SE strips under const. (10-21)

CLINTONVILLE ARPT-Use strips only. (6-7)

CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts. (9-26)

EAU CLAIRE MUN. ARPT-Use rnwys only. Shoulders rough and soft pending completion of grading opers in spring 1947. (11-18)

GENERAL MITCHELL FID (MILWAUKEE)-Equip. on fld days. Right turn procedure rstd to lcly based acft. All acft land according to tetrahedron unless otherwise instructed by twr. All pilots must register in Admin Bldg upon arvl and dptr. Position lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. Ditch extending 150' S of intersection NE/SW, NW/SE rnwys paralleling SE portion NW/SE rnwy for 1/2 mi. (12-4)

GIMMOW ARPT(OMRO)-Use strips only. (6-7)

KENOSHA ARPT-Only N bank floodlgts avail. on req. (6-10)

LA CROSSE ARPT-Use rnwys only. (9-24)

LA CROSSE INT, SITE 23A, CG-TWIN CITIES-Snow fence erected 50' W of E bndry entire length of fld. E bndry lgts moved in to snow fence. (11-8)

MOREY ARPT (MADISON)-Equip. on fld - portions under const marked. (4-28)

PLATTE ARPT (PLATTEVILLE)-CLOSED (const). (6-12)

RICE LAKE ARPT-Uncompleted portion NE/SW strip rough. (5-22)

RICHLAND CENTER ARPT-Equip on fld. (8-10)

SHAWANO ARPT-Use rnwys only. E/W strip under const. (10-8)

SKY HAVEN ARPT (MILWAUKEE)-S 1/3 portion N/S strip unusable (washouts). (6-5)

SOLON SPRINGS ARPT-Const-unusable. (10-29)

STEVENS POINT ARPT-Use rnwys only. (8-9)

TAYLOR CO. ARPT (MEDFORD)-Avail. in emerg only. Very rough. Maintained for small acft only. (6-6)

TOMAH ARPT-N/S strip under const. (7-9)

TRUAX FID (MADISON)-Army temp inactive-civil. facs. Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough. (11-5)

VETERANS FID (MENOMONIE)-Rough. (3-28)

WATERTOWN MUN. ARPT-N/S strip soft - use W part of sod when wet. (4-10)

WINNEBAGO CO. ARPT (OSHKOSH)-Use rnwys only. (8-20)

WYOMING

CASPER AAF-RADIO: Army air to ground stn temp inop. (11-20) FID: CLOSED TO ALL ARMY ACFT EXCEPT ON OFF. BUS. OR IN EMERG. NO FACS.

CASPER CENTRAL ARPT (CASPER)-NE/SW strip under const. (8-2)

CHEYENNE ARPT-Equip. on fld intmtly. (7-20)

JACKSON MUN. ARPT-Cattle on fld intmtly. (5-20)

**KEMMERER INT, SITE B17, EK-RT-Bcn, bndry, range lgts, only. (10-3)

KNIGHT INT, SITE 6, SL-OH-Soon will be decomm. Bcn will remain in oper as airways bcn with course lgts changed from green to red. (10-20)

SHERIDAN CO ARPT (SHERIDAN)-N/S rnwy unsafe heavy acft. Taxi strips parallel all rnwys except N/S rnwy and terminate at ramp. Stay on pavement. Equip. on fld. (5-8)

WARDWELL FID (CASPER)-Use rnwys, taxi strips only - bal fld rough. 30 million candle pwr ceilometer projector 1000' N of bcn. (10-30)

CANADA

★The classification of a number of Canadian ranges has been changed to the following: Calgary, Alt.-SBRAZ-T; Cowley, Alt.-PRAZ-T; Edmonton, Alt.-SBRAZ-PTX; Grande Prairie, Alt.-SBRAZ-PT; Lethbridge, Alt.- SBRAZ-TX; Medicine Hat, Alt.- BRA-T; Penhold, Alt.-BRA-T; Whitehorse, Alt.- SBRAZ-P; Abbotsford, B.C.- BRAZ-PT; Ashcroft, B.C.- BRAZ-PT; Beatton River, B.C.- SBRAZ-P; Carmi, B.C.- BRAZ-PT; Comox, B.C.- SBRAZ-P; Cranbrook, B.C.- BRAZ-PT; Cresent Valley, B.C.- BRAZ-PT; Dog Creek, B. C.-SBRAZ-PT; Fort Nelson, B. C.- SBRAZ-PT; Fort St. John, B.C.- SBRAZ-PT; Kimberley, B.C.- BRA; Massett, B.C.- SBRAZ-PT; Patricia Bay, B.C.- BRAZ-PT; Penticton, B.C.- BRAZ-PT; Port Hardy, B.C.-SBRAZ-P; Prince George, B.C.- SBRAZ-PT; Princeton, B.C.-BRAZ-PT; Quesnel, B.C.- BRAZ-PT; Smithers, B.C.- BRAZ-PT; Smith River, B.C.- SBRAZ-P; Vancouver, B.C.- SBRAZ-PTX; Goose, Lab.-SBRAZ-P; Churchill, Man.- SBRAZ-T; Neepawa, Man.- BRAZ-T; Rivers, Man.- BRA-T; The Pas, Man.- SBRAZ-PT; Winnipeg, Man.- SBRAZ-PTX; Blissville, N.B.- BRAZ-T; Moncton, N.B.- SBRAZ-PTX; Pennfield Ridge, N.B. BRAZ-T; Copper Lake, N.S.- BRAZ-P; Dartmouth, N.S.- SBRAZ-T; Greenwood, N.S.- BRAZ-T; Sydney, N.S.- SBRAZ-PT; Yarmouth, N.S.- BRAZ-T; Armstrong, Ont.- SBRAZ-T; Earlton Jct, Ont.- BRA-T; Fort William, Ont.- BRA-T; Kapuskasing, Ont.- SBRAZ-TX; Kenora, Ont.- BRA-T; Killaloe, Ont.-BRA-T; London, Ont.- SBRAZ-T; Muskoka, Ont.- BRA-T; Nakina, Ont.- BRA-T; North Bay, Ont.- SBRAZ-T; Ottawa, Ont.- SBRAZ-T; Pagwa, Ont.- BRA-T; Porquis Jct., Ont.- BRAZ-T; Sioux Lookout, Ont.- BRA-PT; Stirling, Ont.- SBRAZ-T Charlottetown, P.E.I.- BRAZ-T; Megantic, P.O.Q.- BRA-T; Mont Joli, P.O.Q. BRAZ-PT; Montreal, P.O.Q.- SBRAZ-PTX; Quebec, P.O.Q.- BRAZ-PT; Seven ISLANDS, P.O.Q. BRAZ-P; Broadview, Sask.-BRA-T; Dafoe, Sask.- BRAZ-T; North Battleford, Sask.- BRAZ-PT; Regina, Sask.- SBRAZ-T; Saskatoon, Sask.- SBRAZ-T; Swift Current, Sask.- BRA-T; Yorkton, Sask.- BRAZ-T; Aishihik, Y.T.- SBRAZ-PT; Snag, Y.T.- SBRAZ-P; Teslin, Y.T.- SBRAZ-P; Watson Lake, Y.T.- SBRAZ-P; Whitehorse, Y.T.- SBRAZ-PT.

★The guarded frequencies of a number of Canadian range stations have been changed to the following: Grande Prairie, Alt.- 3105,4495,6210; Ashcroft, B.C.- 3105,3117.5,4495 kcs.; Comox, B.C.- 3105,4495,6210,3117.5,3082.5, 3057.5 kcs.; Dog Creek, B.C.- 3105,4495,6210,3117.5 kcs.; Fort Nelson, B.C.- 3105,4495,6210,3005,5377.5 kcs.; Fort St. John, B.C.- 3105,4495, 6210,3005,5377.5 kcs.; Port Hardy, B.C.- 1674,3082.5,3105,3117.5,4495, 5037.5,6210,6545 kcs.; Winnipeg, Man.- 3105,3117.5,6210kcs.; Blissville, N.B.- 3105,4495,6210 kcs.; Montreal, P.O.Q.- 3105,3117.5,4495,6210 kcs.; Seven Islands, P.O.Q.- 3105, 6210 kcs.; Aishihik, Y.T.- 3105,4495,6210, 3117.5,1674,2946,4660,5672.5 kcs.; Snag, Y.T.- 3105,4495,6210,3117.5,2946, 5672.5 kcs.; Teslin, Y.T.- 3105,4495,6210,3117.5 kcs.; Watson Lake, Y.T.- 3105,4495,6210,3005,5377.5 kcs.; Whitehorse, Y.T.- 3105,4495,6210,1674, 2946,5037.5 kcs.

BRITISH COLUMBIA

★COMOX-RADIO: Weather bdcast 10 & 40: Port Hardy, Comox, Vancouver, Patricia Bay. (11-1)

★FORT ST. JOHN ARPT-RADIO: Twr taken over by Army. Transmits on 278 kcs., 126.18 mcs. Gds. 3105,4495,6210,5390 kcs., 126.18 mcs. (11-1)

★FORT NELSON ARPT-RADIO: Twr taken over by Army. Transmits on 278 kcs, 126.18 mcs. Gds. 3105,4495,6210,5390 kcs. 126.18 mcs. (11-1)

★QUESNEL-RADIO: Call letters for range now VFGQ. Ident. "QS".

LABORADOR

★GOOSE-RADIO: Geographical loc. now lat. 53-16-00, long. 30-24-00. Weather bdcast 10 & 40: Seven Island, Goose. Weather avail in UCO (Plain on req.).

★GOOSE ARPT-RADIO: Twr taken over by Army. Transmits on 278 kcs. 126.18 and 116.1 mcs. Gds. 3105,4495,6210 kcs. 126.18, 116.1 mcs. (11-1)

MANITOBA

★WINNIPEG-RADIO: Weather bdcast 13 & 43: Rivers, Winnipeg, Kenora, Neepawa, Pembina.

NEW BRUNSWICK

★BLISSVILLE-RADIO: Weather bdcast 10 & 40: Millinocket, Blissville, Moncton, Pennfield Ridge. Weather avail. in UCO (Plain) on req. (11-1)

★BLISSVILLE ARPT-RADIO: Elev. 50'. (11-1)

★MONCTON-RADIO: Weather bdcast 13 & 43: Blissville, Moncton, Charlottetown, Dartmouth. Weather avail. in UCO (Plain) on req.

★PENNFIELD RIDGE-RADIO: Geographical location now lat. 45-06-45, long. 66-45-30. Weather bdcast 13 & 43: Blissville, Pennfield Ridge, Greenwood. Weather avail. in UCO (Plain) on req. (11-1)

NOVA SCOTIA

★COPPER LAKE-RADIO: Weather bdcast 13 & 43: Dartmouth, Copper Lake, Sydney, Weather avail. in UCO (Plain) on req. (11-1)

★DARTMOUTH-RADIO: Weather bdcast 10 & 40: Yarmouth, Greenwood, Moncton, Dartmouth, Copper Lake. Weather avail. in UCO (Plain) on req. (11-1)

★DARTMOUTH ARPT-RADIO: Twr taken over by Army. Transmits on 278 kcs, 126.18 mcs. Gds. 3105, 4495, 6210, 3117.5 kcs. 126.18 mcs. (11-1)

★GREENWOOD-RADIO: Weather bdcast 13 & 43: Blissville, Greenwood, Dartmouth, Yarmouth. Weather avail. in UCO (Plain) on req. (11-1)

★SYDNEY-RADIO: Weather bdcast 10 & 40: Charlottetown, Copper Lake, Sydney, St. Andrews. Weather avail. in UCO (Plain) on req. (11-1)

★YARMOUTH-RADIO: Weather bdcast 13 & 43: Greenwood, Yarmouth, Dartmouth. Weather avail. in UCO (Plain) on req. (11-1)

ONTARIO

★ARMSTRONG-RADIO: Bear. and dist. range stn. to Armstrong Arpt. 97°,5.0.

★ARMSTRONG ARPT-RADIO: Elev. 160'. (11-1)

★FORT WILLIAM-RADIO: Range courses realigned as follows: 216-A-290-N-49-A-106-N. (11-1)

★NORTH BAY-RADIO: Call letters for range now VFDW. (11-1)

★STIRLING-ARPT-RADIO: Twr. taken over by Army. Transmits on 278 , 3027.5 kcs Gds. 3105, 6210 kcs. (11-1) FLD: Elev. 275'. (11-1)

PRINCE EDWARD ISLAND

★CHARLOTTETOWN-RADIO: Weather bdcast 10 & 40: Moncton, Charlottetown, Sydney Weather avail. in UCO (Plain) on req. (11-1)

PROVINCE OF QUEBEC

★MEGANTIC-RADIO: Weather bdcast 13 & 43: Montreal, Megantic, Millinocket. Weather avail. in UCO (Plain) on req. (11-1)

★MONT JOLI-RADIO: Weather bdcast 10 & 40: Quebec, Mont Joli, Seven Islands. Weather avail. in UCO (Plain) on req. (11-1)

★MONTREAL-RADIO: Weather bdcast 10 & 40: Ottawa, Montreal, Megantic, Quebec. Weather avail. in UCO (Plain) on req. (11-1)

★QUEBEC-RADIO: Weather bdcast 13 & 43: Montreal, Quebec, Mont Joli. Weather avail. in UCO (Plain) on req. (11-1)

★SEVEN ISLANDS-RADIO: Weather bdcast 13 & 43: Mont Joli, Seven Is., Goose. Weather avail. in UCO (Plain) on req. (11-1)

U. S. Coast and Geodetic Survey Dates of Latest Prints

Dates in small type indicate minor changes which are not of sufficient importance to make the previous print obsolete. All charts carrying dates older than those shown in large type on this list are obsolete for use in flight.

SECTIONAL

Aberdeen	Dec. 11, 1945	May 31, 1946	El Paso	July 25, 1946		Norfolk	Oct. 23, 1946	
Albany	July 9, 1946		Fargo	May 29, 1946		Oklahoma City	Sept. 23, 1946	
Albuquerque	Sept. 9, 1946		Glacier Park	Apr. 26, 1945	May 7, 1946	Orlando	Aug. 6, 1946	
Aroostook	June 26, 1946		Grand Canyon	Feb. 19, 1946	Sept. 16, 1946	Phoenix	Aug. 21, 1946	
Austin	Aug. 11, 1946		Grand Junction	Feb. 19, 1946	Sept. 13, 1946	Pocatello	May 27, 1946	
Beaumont	July 25, 1946		Green Bay	June 12, 1946		Portland	Apr. 30, 1946	
Bellingham	Oct. 22, 1946		Huntington	Oct. 9, 1946		Prescott	Mar. 5, 1946	Sept. 3, 1946
Birmingham	Oct. 2, 1946		Jacksonville	Aug. 11, 1946		Rapid City	May 3, 1945	May 17, 1946
Boise	Apr. 30, 1946	Oct. 25, 1946	Kansas City	Sept. 27, 1946		Reno	May 17, 1945	Aug. 26, 1946
Boston	July 2, 1946		Klamath Falls	Apr. 30, 1946		Roswell	Sept. 16, 1946	
Burlington	June 24, 1946		Kootenai	Oct. 28, 1946		Sacramento	Sept. 9, 1946	
Butte	May 15, 1946		La Grande	Oct. 25, 1946		Saline	Sept. 26, 1946	
Casper	May 20, 1946		Lake Huron	June 25, 1946		Salt Lake City	Aug. 30, 1945	May 17, 1946
Charlotte	Oct. 25, 1946		Lake Superior	June 13, 1946		San Antonio	July 30, 1946	
Chattanooga	Oct. 25, 1946		Lake of Woods	May 24, 1946		San Diego	Aug. 27, 1946	
Cheyenne	Aug. 30, 1945	May 24, 1946	Lewiston	July 2, 1946		San Francisco	Aug. 10, 1946	
Chicago	June 17, 1946		Lincoln	June 6, 1946		Savannah	Oct. 25, 1946	
Cincinnati	Oct. 25, 1946		Little Rock	Sept. 27, 1946		Seattle	Oct. 23, 1946	
Cleveland	June 24, 1946		Los Angeles	Aug. 12, 1946		Shreveport	Sept. 16, 1946	
Corpus Christi	Aug. 6, 1946		Miami	Aug. 8, 1946		Sioux City	May 31, 1946	
Dallas	Sept. 23, 1946		Miles City	May 13, 1946		Spokane	Oct. 23, 1946	
Del Rio	Jan. 22, 1946	July 23, 1946	Milwaukee	June 16, 1946		Trinidad	Sept. 16, 1946	
Denver	Sept. 17, 1946		Minot	June 6, 1946		Tulsa	Sept. 27, 1946	
Des Moines	June 12, 1946		Mobile	Aug. 6, 1946		Twin Cities	May 31, 1946	
Detroit	July 11, 1946		Mt. Shasta	May 3, 1945	May 3, 1946	Washington, D.C.	Oct. 22, 1946	
Douglas	July 27, 1946		Mt. Whitney	Aug. 27, 1946		Wichita	Mar. 5, 1946	Sept. 16, 1946
Dubuque	Oct. 2, 1945	June 18, 1946	Nashville	Oct. 13, 1946		Williston	May 3, 1945	May 9, 1946
Duluth	Jan. 8, 1946	June 6, 1946	New Orleans	Aug. 6, 1946		Winston-Salem	Oct. 2, 1946	
Elko	Nov. 1, 1946		New York	July 2, 1946		Yellowstone Park	Oct. 30, 1945	May 13, 1946

WORLD AERONAUTICAL - UNITED STATES

WAC 215	May 9, 1946	WAC 266	May 29, 1946	WAC 309	July 13, 1946	WAC 364	Aug. 11, 1946	WAC 467	Aug. 6, 1946
WAC 216	May 17, 1946	WAC 267	May 24, 1946	WAC 310	Aug. 6, 1946	WAC 404	Aug. 26, 1946	WAC 468	July 30, 1946
WAC 217	June 4, 1946	WAC 268	June 12, 1946	WAC 357	Apr. 30, 1946	WAC 405	Aug. 28, 1946	WAC 469	July 25, 1946
WAC 218	June 17, 1946	WAC 269	May 10, 1946	WAC 358	Oct. 2, 1946	WAC 406	Sept. 13, 1946	WAC 470	July 17, 1946
WAC 219	June 13, 1946	WAC 304	May 29, 1946	WAC 359	Oct. 2, 1946	WAC 407	Sept. 23, 1946	WAC 471	July 15, 1946
WAC 262	June 26, 1946	WAC 305	May 13, 1946	WAC 360	Sept. 23, 1946	WAC 408	Apr. 2, 1946	WAC 522	July 29, 1946
WAC 263	June 18, 1946	WAC 306	May 29, 1946	WAC 361	Sept. 11, 1946	WAC 409	Apr. 16, 1946	WAC 525	Aug. 8, 1946
WAC 264	July 10, 1946	WAC 307	June 6, 1946	WAC 362	Aug. 29, 1946	WAC 410	Apr. 16, 1946		
WAC 265	June 12, 1946	WAC 308	June 12, 1946	WAC 363	Aug. 11, 1946	WAC 466	Aug. 10, 1946		

RADIO DIRECTION FINDING

21-DF	July 8, 1946	23-DF	Sept. 6, 1946	25-DF	Oct. 6, 1946
22-DF	July 22, 1946	24-DF	May 14, 1946	26-DF	May 19, 1946

LOCAL

New York & Vicinity	Aug. 6, 1946	Miami	July 3, 1946
San Diego	Aug. 20, 1946	Brownsville	July 8, 1946
Washington	Nov. 7, 1946	Los Angeles	Sept. 13, 1946

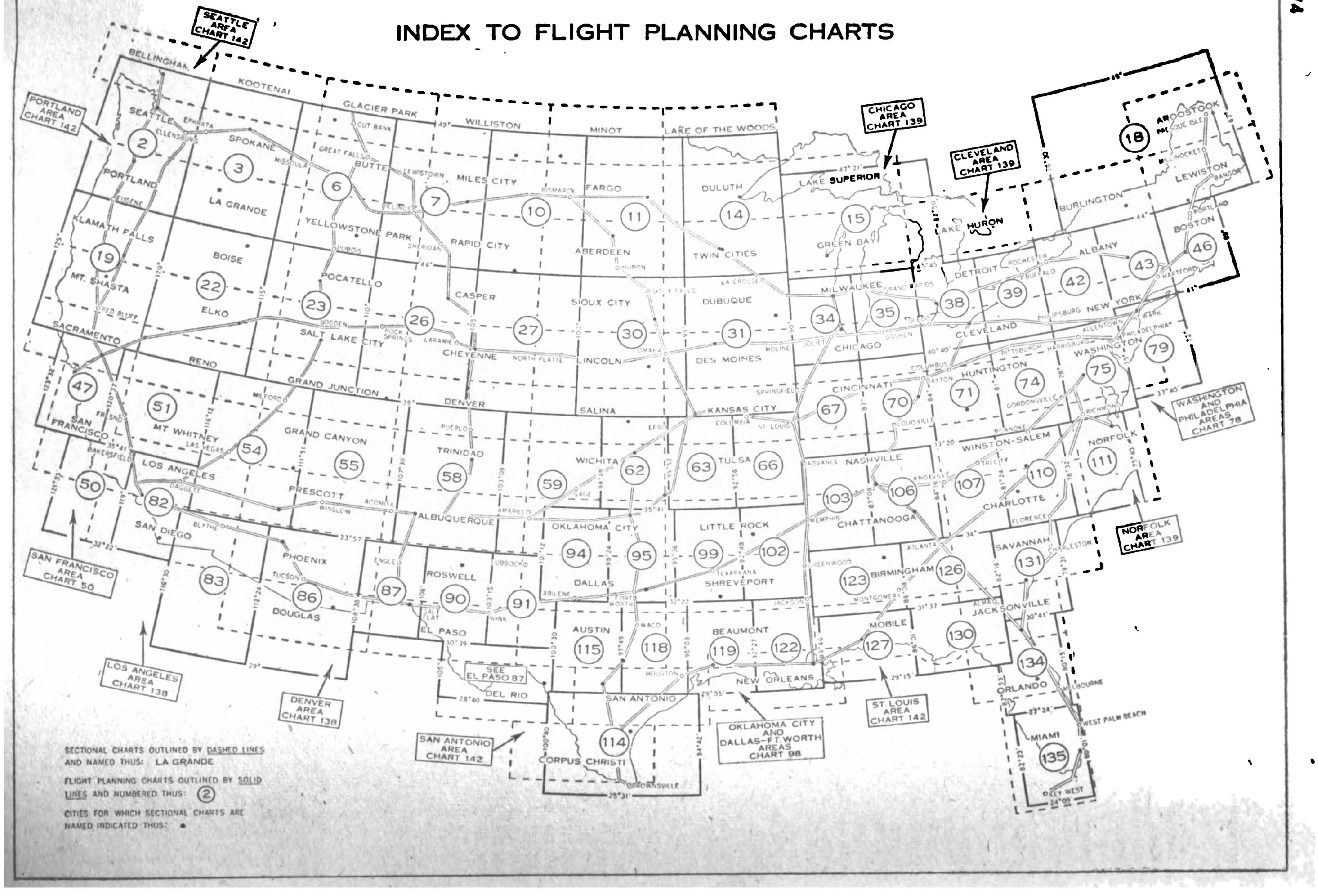
WORLD AERONAUTICAL - ALASKA

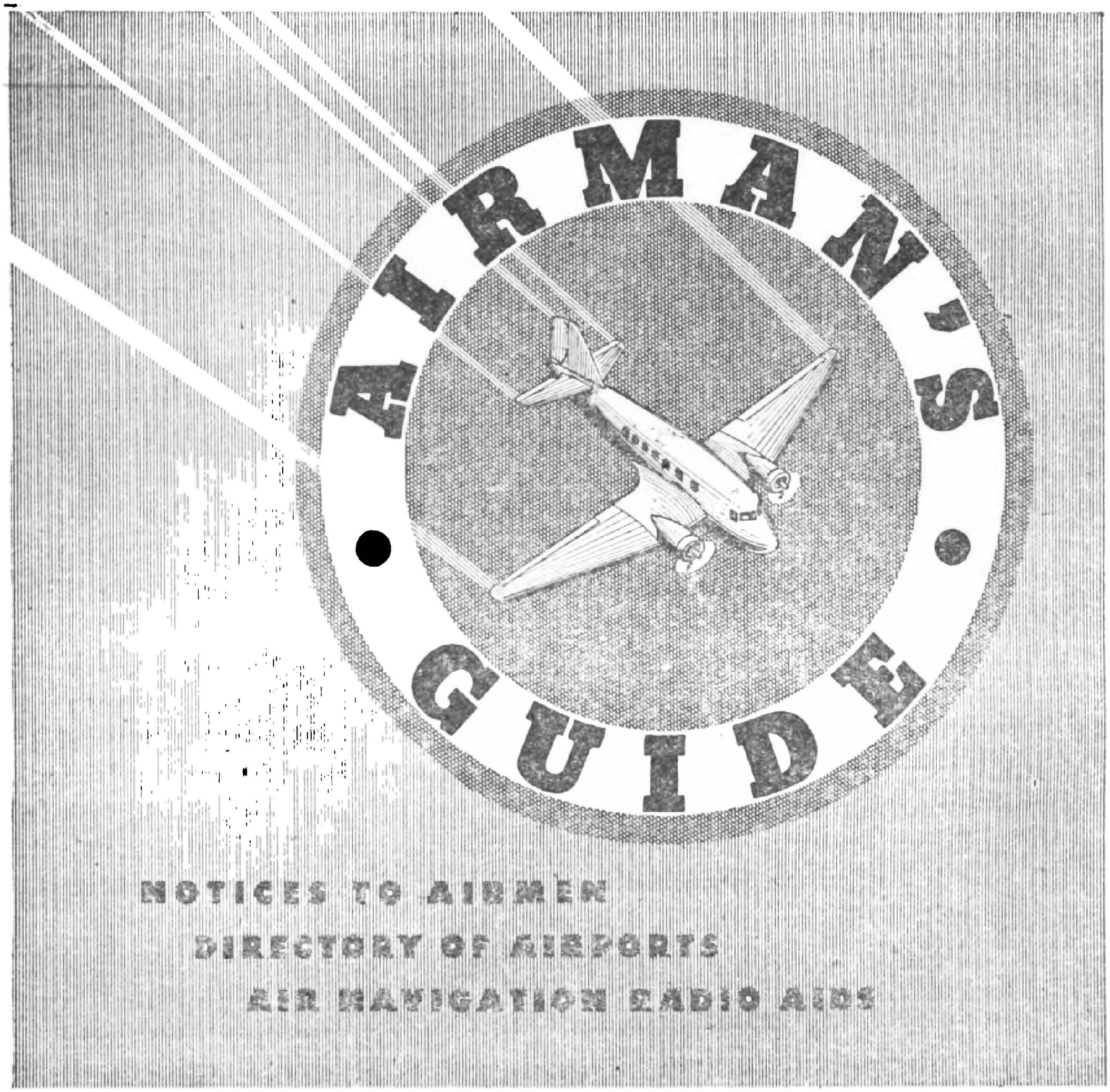
WAC 62	Feb. 1946	WAC 77	Mar. 1946	WAC 118	July 1946	WAC 136	May 1946	WAC 139	Mar. 1946	WAC 191	Apr. 1946
WAC 63	May 1946	WAC 78	Mar. 1946	WAC 119	Jan. 1946	WAC 137	Mar. 1946	WAC 186	Mar. 1946	WAC 192	Mar. 1946
WAC 64	Mar. 1946	WAC 117	Aug. 1946	WAC 135	Mar. 1946	WAC 138	May 1946	WAC 190	Apr. 1946	WAC 193	Mar. 1946
WAC 76	May 1946										

FLIGHT

FC 1	Mar. 30, 1946	FC 13	May 28, 1946	FC 177	July 12, 1946	FC 214	May 31, 1945	FC 226	June 13, 1946
FC 2	May 28, 1946	FC 14	Feb., 1945	FC 178	May 15, 1946	FC 216	May 17, 1946	FC 227	Sept. 12, 1945
FC 3	July 9, 1946	FC 15	Apr., 1945	FC 181	July 11, 1946	FC 217	Oct. 30, 1945	FC 228	Sept. 12, 1945
FC 4	July 23, 1946	FC 16	Aug. 6, 1946	FC 182	Mar. 5, 1946	FC 218	Oct. 14, 1946	FC 229	July 9, 1946
FC 6	Oct., 1945	FC 18		FC 183	Apr. 2, 1946	FC 219	Sept. 6, 1946	FC 230	July 30, 1946
FC 7	Aug. 6, 1946	FC 42	May 15, 1946	FC 184	Mar. 19, 1946	FC 220	Sept. 11, 1946	FC 231	July 22, 1946
FC 8	Sept. 17, 1946	FC 43	May 31, 1946	FC 185	May 31, 1946	FC 221	May 31, 1946	FC 232	Sept. 10, 1946
FC 9	Sept. 17, 1946	FC 173	May 24, 1946	FC 186	Aug. 17, 1946	FC 222	May 31, 1946	FC 233	Sept. 24, 1946
FC 10	Oct. 1, 1946	FC 174		FC 187	May 31, 1946	FC 223	May 24, 1946	FC 234	May 31, 1946
FC 11	July 9, 1946	FC 175	May 31, 1945	FC 188	Aug. 19, 1946	FC 224	May 31, 1945		
FC 12	Aug. 6, 1946	FC 176	May 31, 1945	FC 213	Aug. 19, 1946	FC 225	June 7, 1945		

INDEX TO FLIGHT PLANNING CHARTS





VOL. 1, NO. 20. . DECEMBER 23, 1946

This issue includes all data on record as of 0001 E.S.T. on the date above. For later information consult teletype NOTAMS.

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
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TABLE OF CONTENTS

AIR TRAFFIC CONTROL PROCEDURES, DIGEST OF. . . . . VIII - X

AIR NAVIGATION RADIO AIDS, LEGEND, GENERAL INFORMATION . . . . . XI - XII

AIRPORT DATA, LEGEND XIII

FLIGHT PLANNING CHARTS AND DATA PAGES . . . . . 1 - 142

DIRECTORY OF SEAPLANE BASES . . . . . 143 - 144

NOTICES TO AIRMEN . . . . . 145 -

INDEX OF FACILITY LOCATIONS

[redacted]
Albertville (106)
Alexander City (126)
Andalusia (127)
Anniston (126)
Athens (106)
Atmore (127)
Auburn (126)
Birmingham (123)
Bradford (123)
Brewton (127)
Brookley (127)
Cance (127)
Centre (106)•
Clanton (123)
Columbiana (123)
Courtland (103)
Craig (123)
Cullman (106)
Decatur (106)
Demopolis (123)
Dothan (130)
Eden (123)
Elberta (127)•
Elmore (123)
Enterprise (130)
Eufaula (126)
Eutaw (123)
Evergreen (127)
Foley (127)
Gadsden (106)
Gainesville (123)
Garden City (106)
Greenville (123)
Gunter (123)
Guntersville (106)•
Hartselle (106)
Headland (130)
Huntsville (106)
Hurtsboro (126)
Jasper (123)
Josephine (127)
Lillian (127)•
Luverne (123)
Maxwell (123)
Mobile (127)
Montgomery (123)
Muscle Shoals (103)
Ozark (130)
Prichard (127)
St. Elmo (127)
Scottsboro (106)
Selma (123)
Silverhill (127)
Summerdale (127)
Talladega (126)•
Troy (126)
Tuscaloosa (123)
Tuskegee (126)
[redacted]
Aguila (83)
Ajo (83)
Amado (86)
Ashfork (54)
Bisbee (86)
Bowie (86)•
Cactus (86)
Cameron (55)•
Casa Grande (86)•
Chandler (86)
Clifton (86)•
Cochise (86)
Coolidge (86)
Cottonwood (54)
Dateian (83)
Davis-Monthan (86)
Deep Lake (55)
Douglas (86)
Duncan (86)
Flagstaff (55)
Florence (86)•
Forest #2 (86)
Fort Huachuca (86)
Fredonia (54)
Gila Bend (83)
Glendale (86)
Globe (86)
Grand Canyon (54)
Hayden (86)
Hereford (86)
Hilltop (86)
Holbrook (55)
Joseph City (55)
Kingman (54)
Laguna (83)
Litchfield Park (86)
Luke (86)
McNeal #1 (86)
Marana (86)
Mesa (86)
Meteor Crater (86)
Nogales (86)
Parker (83)
Perryville (86)
Phoenix (86)
Prescott (54)
Quartzsite (83)
Redrock (86)
Safford (86)
Sahuarita (86)
St. Johns (55)
Salome (83)
Seligman (54)
Sells (86)•
Somerton (83)
Superior (86)•
Tempe (86)
Toltec (86)
Tonopah (83)
Tucson (86)
Vail (86)
Valle (54)
Wellton (83)
White River (86)•
Wickenburg (83)
Willcox (86)
Williams (54,86)
Window Rock (55)•
Winona (55)
Winslow (55)
Yucca (54)
Yuma (83)
[redacted]
Adams (102)
Alma (99)
Arkadelphia (99)
Benton (102)
Berryville (63)•
Biggers (66)•
Blytheville(66,103)
Brinkley (102)
Bruins (102)
Cabot (102)
Camden (99)
Clarksville (99)
Conway (102)
Cotton Plant (102)
Crossett (102)
Desha (66)
De Witt (102)
El Dorado (99,102)
Fayetteville (63)
Flippin (66)
Forrest City (102)
Fort Smith (99)
Harrison (63)
Helena (102)
Hope (99)
Hot Springs (99)
Hughes (102)
Joiner (102)
Jonesboro (66)
Little Rock (102)
Luxora (103)
McGehee (102)
Magnolia (99)
Malvern (99)
Manila (66)
Mena (99)
Monticello (102)
Newport (66,102)
Ola (99)•
Palmer (102)
Paris (99)
Pine Bluff (102)
Prescott (99)
Rogers (63)
Round Pond (102)
Russellville (99)
Searcy (102)
Springdale (63)
Stuttgart (102)
Texarkana (99)
Van Buren (99)
Walnut Ridge (66)
West Memphis (102)
Wynne (102)
[redacted]
Alameda (50)
Alturas (19)
Amedee (19)
Anderson (19)
Antioch (50)
Arcata (19)
Artesia (138)
Auburn (47)
Avalon (82)
Bagdad (54)
Bakersfield(50,51, 82)
Banning (82)
Barstow (82)
Bass Lake (51)
Bay Point (47)
Beckwourth (19)
Bellflower (138)
Belmont (50)
Big Bear (82)
Big Pine (51)
Bishop (51)
Blue Canyon (19)
Blythe (83)
Boron (82)
Brawley (83)
Bridgeport (51)•
Burbank (138)
Calexico (83)
Calipatroa (83)
Callahan (19)
Camarillo (138)
Cambria (50)
Carmel Valley (47)
Castaic (81,137)
Castle (51)
Cedarville (19)
Chatsworth (138)
Chester (19)•
Chico (19)
Claremont (138)
Clarksburg (47)
Coalinga (51)
Colusa (19)
Compton (138)
Concord (50)
Corcoran (51)
Corning (19)
Corona (138)
Coronado (82)
Costa Mesa (138)
Cotati (47)
Covelo (19)•
Crescent City (19)
Crows Landing (47)
Culver City (138)
Daggett (82)
Davis (47)
Death Valley Jct. (51)
Delano (51)
Del Mar (82)
Delta (19)
Desert Center (83)
Donner Summit (18, 51)
Dos Palos (47)
Downey (138)
Dunsmuir (19)
El Cajon (82)
El Centro (83)
El Monte (138)
Elsinore (82)
El Toro (138)
Escondido (82)
Estrella (50)
Eureka (19)
Evergreen (47)
Fairfield (47)
Fall River Mills (19)
Farallon Island (47)
Fontana (82)
Fort Jones (19)•
Franklin (47)
Fresno (51)
Fullerton (138)
Furnace Creek (51)
Gardena (138)
Garden Grove (138)
Glendale (138)
Grass Valley (19)
Gridley (19)
Gustine (47)
Half Moon Bay (50)
Hamilton (47)
Hammer (51)
Hanford (51)
Hawthorne (138)
Hayfork (19)•
Hayward (50)
Healdsburg (47)
Hemet (82)
Hollister (47)
Holtville (83)
Huntington Beach(138)
Imperial (83)
Independence (51)
Indio (82,83)
Inyokern (82,51)
Jackson (47)•
Jacumba Hot Sprgs(83)
King City (47)
Lakeport (47)
La Habra (82)
La Mesa (82)
Lancaster (82)
Lebec (82)
Lemoore (51)
Lindsey (51)
Little River (19)
Livermore (50)
Lodi (47)
Lomita (138)
Lompoc (50)
Lone Pine (51)
Long Beach (138)
Los Alamitos (138)
Los Angeles (138)
Los Banos (47)
Lost Hills (50,51)
Lower Lake (47)
Mc Clellan (47)
Mc Cloud (19)•
Madera (51)
Manteca (47)
Manzanar (51)
March (82)
Maricopa (50)•
Mariposa (51)•
Martinez (47)
Marysville (19)
Mather (47)
Mecca (83)
Merced (51)
Mines (138)
Minter (50)
Modesto (47)
Mojave (51,82)
Monrovia (138)
Montebello (138)
Montague (19)
Monterey (47)
Morgan Hill (47)
Mountain View (50)
Mt. Laguna (82,83)
Muroc (82)
Napa (47)
National City (82)
Needles (54)
Nevada City (19)
Newark (47)
Newhall (138)
Norco (138)
Norwalk (138)
Oakland (50)
Oceanside (82)
Ojai (50)
Olancha (51)
Ontario (138)
Oroville (19)
Otay (82)
Oxnard (50)
Palisades (138)•
Palmdale (82,138)
Palo Alto (50)
Palm Springs(82,83)
Parlier (51)
Paso Robles (50)
Petaluma (47)
Placerville (47)
Point Mugu (50)
Pomona (138)
Porterville (51)
Puente (138)
Quincy (19)
Ramona (82)
Randsburg (51)•(82)•
Ravendale (19)•
Red Bluff (19)
Redding (19)
Reedley (51)•
Rialto (82)
Rice (83)
Riverside (82)
Rosamond (82)
Sacramento (47)
Salinas (47)
Salton Sea (82,83)
San Bernardino (82)
San Carlos (50)
San Clemente Isl.(82)
San Diego (82)
San Fernando (138)
San Francisco (50)
San Jacinto (82)
San Jose (50)
San Luis Obispo (50)
San Marcos (82)
San Mateo (50)
San Nicolas Isl. (82)
San Pedro (138)
San Rafael (47)
San Ramon (50)
Santa Ana (138)
Santa Barbara (50)
Santa Cruz (47)
Santa Maria (50)
Santa Monica (138)
Santa Paula (50)
Santa Rosa (47)
Santa Susana (138)
Santa Ynez (50)•
Santee (82)
San Ysidro (82)
Saticoy (50)
Sausalito (47)
Secret Valley (19)
Shafter (51)•(50)•
Silver Lake (54)
Sonora (51)
Stockton (47)
Stratford (51)
Susanville (19)
Taft (50,51)
Tehachapi (51,82)
Thermal (83)
Tracy (47,50)
Troia (51)
Truckee (19,51)
Tulare (51)
Twentynine Palms (83)
Ukiah (19)
Upper Lake (19)•
Vallejo (47)
Valley Springs (47)
Van Nuys (138)
Vernalis (50)
Victorville (82,138)
Visalia (51)
Walnut Creek (50)
Warm Springs (50)
Warner H. Springs(82)
Watsonville (47)
Weaverville (19)•
Westhaven (51)•
Westminster (138)
Whitmore (19)
Williams (19)
Willits (19)
Willows (19)
Woodlake (51)
Woodland (47)
Woodville (51)
Yermo (82)
COLORADO
Akron (27)
Alamosa (58)
Alvin (27)
Anton (27)
Arlington #4 (58)
Aurora (138)
Boulder (138)
Buckley (138)
Burlington (27)•
Canon City (58)
Colorado Springs (58)
Cortez (55)
Craig (26)
Creede (58)
Dacona (27)
Delta (55)
Denver (138)
Dove Creek (55)
Dupont (138)
Durango (55)
Eagle (26)
Englewood (138)
Estes Park (26)
Fairplay (26)•
Flagler (27)
Fort Collins (26)
Fort Morgan (27)
Fountain (58)
Franktown (138)
Glenwood Springs(26)
Granby (26)
Grand Junction (26)
Greeley (27)
Gunnison (58)
Henderson (134)
Holly (59)
Holyoke (27)
Hugo (27)
Julesburg (27)
Kit Carson (59)•
La Junta (58)
Lamar (59)
Las Animas (58)
Limon (27)
Lindon (27)
Longmont (26)
Lowry (138)
Mancos (55)•
Meeker (26)
Mesita (58)
Monte Vista (58)
Montrose (55)
Nucla (55)
Ordway (58)
Peterson (58)
Pueblo (58)
Rifle (26)
Rocky Ford (58)
Saguache (58)
Salida (58)
Silver Cliff (58)
Springfield (59)
Sterling (27)
Trinidad (58)
Walden (26)
Walsh (59)
Watkins (138)
Westcliffe (58)
Wray (27)
Yuma (27)
[redacted]
Bethany (43)
Bridgeport (43)
Bristol (43)
Brookfield (43)
Canaan (43)
Danbury (43)
E. Hartford (43)
Essex (43)
Groton (43)
Hartford (43)
Madison (43)
Meriden (43)
Monroe (43)
New Haven (43)
Plainfield (43)
Plymouth (43)
Putnam (43)
Salem (43)

(88)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Calhan, Colo. (27) Golden, Colo. (138) Eads, Colo. (59) Rangeley, Colo. (26)

Simsbury (66)
Somers (43)
Stonington (46)
Wallingford (43)
Waterford (43)
West Haven (43)
Windham (43)
Windsor Locks (43)

[redacted]

Bridgeville (75)
Dover (75)
Frankford (75)
Georgetown (75)
Harrington (75)
New Castle (75)
Rehoboth Beach (75)
Seaford (75)•
Wilmington (75)

DIST. OF COLUMBIA

Bolling (78)
Washington (78)

[redacted]

Alliance #4 (130)
Altoona (1[illegible])•
Apalachicola (130)
Apopka (134)
Arcadia (135)
Avon Park (134)
Banana River (134)
Barberville (134)•
Bartow (134)
Bayard (134)
Belle Glade (135)
Boca Raton (135)
Bostwick (134)
Bradenton (134)
Brooksville (134)
Bryceville (134)
Bushnell (134)
Carrabelle (130)
Cedar Keys (134)•
Chipley (130)
Clarcona (134)
Clearwater (134)
Clewiston (135)
Cocoa (134)
Crestview (127)
Cross City (130)
Daytona Beach (134)
De Funiak Sprgs (127)
De Land (134)
Dunedin (134)
Dunnellon (134)
Eglin (127)
Ellenton (134)
Eustis (134)
Fernandina (134)
Fort George Isl.(134)
Fort Lauderdale (135)
Fort Myers (135)
Fort Pierce (134)
Gainesville (130,134)
Green Cove Sprgs(134
Haines City (134)•
Hawthorne (134)
Holley (127)
Hollywood (135)
Holt (127)
Homestead (136)
Immokalee (135)
Jacksonville (134)
Jasper (130)
Keystone Heights (134)
Key West (135)
Kissimmee (134)
Lake Butler (130)
Lake City (130,134)
Lakeland (134)
Lake Wales (124)
Lake Worth (135)
Lantana (135)
Leesburg (134)
Live Oak (130)
McDill (134)
Malabar (134)
Marathon (135)
Marianna (130)
Mayport (134)
Melbourne (134)
Miami (135)
Miami Bay Shore (135)
Middleburg (134)
Milton (127)
Minneola (134)
Molino (127)
Monticello (130)•
Morrison (135)
Naples (135)
New Smyrna (134)
North Tampa (134)
Oakland Park (135)
Ocala (134)
Okeechobee (135)
Orange City (134)
Orlando (134)
Palatka (134)
Panama City (130)
Pensacola (127)
Perry (130)
Pinecastle (134)
Plant City (134)
Pompano (135)
Punta Gorda (135)
Quincy (130)
Richmond (135)
St. Augustine (134)
St. Petersburg (134)
Sanford (134)
Sarasota (135)
Sebastian (134)
Sebring (134)
Stock Island (135)
Stuart (135)
Switzerland (134)
Tallahassee (130)
Tampa (134)
Tennile (130)•
Titusville (134)
Tyndall (130)
Valparlso (127)
Venice (135)
Vero Beach (134)
Wauchula (134)•
West Palm Beach(135)
Williston (130,134)
Wimauma (134)•
Winter Haven (134)
Winter Park (134)
Zephyrhills (134)

[redacted]

Adel (130)
Albany (126)(130)
Alma (130)
Americus (126)
Athens (126)
Atlanta (126)
Augusta (131)
Bainbridge (130)
Bemiss #3 (130)
Brunswick (131)
Buford (107)
Butler (126)
Camilla (130)
Camp Stewart (131)
Carrollton (126)
Cartersville (106)
Cedartown (106)
Chatham (131)
Cochran (126)
Columbus (126)
Cordelle (126)
Dalton (106)
Darien (131)
Dawson (126)
Douglas (130)
Dublin (126)
East Point (126)
Elberton (107)
Fairburn (126)
Fitzgerald (126)
Folkston (131)
Gainesville (107)
Glynco (131)
Griffin (126)
Harris Neck (131)
Hinesville (131)
Homerville (130)
Jackson (126)
Jasper (106)
Jefferson (107)
Jonesboro (126)
La Grange (126)
Lake Park (130)
Lawson (126)
McRae (126)
Macon (126)
Madison (126)
Madras (126)
Marietta (126)(106)
Millen (131)
Milledgeville (126)
Montezuma (126)
Moody (130)
Moultrie (130)
Nashville (130)
Newnan (126)
Palmetto (126)
Richmond Hill (131)
Robins (126)
Rockmart (106)
Rocky Ford (130)
Rome (106)
St. Marys (131)
St. Simons Isl (131)
Savannah (131)
Siloam (126)
Smyrna (126)
Statesboro (131)
Stone Mountain (126)
Swainsboro (126)
Sylvania (131)
Tallapoosa (126)
Thomaston (126)
Thomasville (130)
Tifton (130)
Toccoa (107)
Trion (106)
Turner (130)
Valdosta (130)
Vidalia (126)
Warm Springs (126)
Warner-Robins (126)
Washington (126)
Waycross (130)
Winder (107)
Woodbury (126)

[redacted]

Aberdeen (23)
American Falls (23)
Anderson Dam (22)
Arco (23)•
Big Springs (6)•
Boise (22)
Buhl (23)•
Burley (23)
Caldwell (22)
Cascade (3)
Cayuse Creek (3)•
Challis (6)
Coeur d' Alene (3)
Dixie (3)•
Dubois (6)
Eagle (22)
Emmett (22)
Fairfield (23)
Glenns Ferry (22)
Gooding (23)
Gowen (22)
Grangeville (3)
Hagerman (23)•
Hailey (23)
Idaho Falls (23)
Idahome (23)
Jerome (23)
Kamiah (3)
Kellogg (3)
Knox (3)•
Lake (6)
Lewiston (3)
McCall (3)
Mackay (23)•
Malad City (23)
Montpelier (23)
Mountain Home (22)
Nampa (22)
Orofino (3)
Paris (23)
Parma (22)
Payette (3)
Pocatello (23)
Preston (23)
Priest River (3)•
Red River H.Sprgs(6)
Rexburg (23)
Richfield (23)
St. Anthony (23)
St. Maries (3)
Salmon (6)
Sandpoint (3)
Shoshone (23)
Strevell (23)
Tensed (3)
Twin Falls (23)
Victor (23)•
Weiser (3)

[redacted]

•Alexander (31)
Alton (142)
Arcola (67)
Armington (67)
Ashburn (34)
Aurora (139)
Beardstown (31)
Belleville (14 2)
Bensenville (139)
Bloomington (67)
Blue Island (139)
Blue Mound (67)
Bradford (34)
Cairo (103)
Carbondale (67)
Carmi (67)
Carthage (31)
Casey (67)
Champaign (67)
Chanute (67)
Charleston (67)
Chesterfield (31)
Chicago (139)
Chicago Heights (139)
Clinton (67)
Dalton City (67)
Danville (67)
Decatur (67)
De Kalb (34)
Des Plaines (139)
Dixon (34)
Du Quoin (67)
Earlville (34)
East St. Louis (142)
Effingham (67)
Elgin (34)
Elmhurst (139)
Fairfield (67)
Flatt (31)
Flora (67)
Franklin Park (34)
Freeport (34)
Galesburg (31)
Glenview (34)(139)
Grayslake (34)
Harvey (139)
Havana (31)
Highland (67)
Hillsboro (67)
Hinsdale (139)
Homewood (139)
Hoopeston (67)
Horace (67)
Jacksonville (31)
Jerseyville (31)
Joliet (139)
Johnsburg (34)
Kankakee (34)
La Grange (139)
Lansing (139)
La Salle (34)
Lawrenceville (67)
Lebanon (67)
Lockport (139)
Lombard (139)
Macomb (31)
Marion (67)
Mattoon (67)
Mendota (34)
Moline (31)
Momence (34)
Monmouth (31)
Morris (34)
Mt. Carmel (67)
Mt. Vernon (67)
Muddy (67)
Murphysboro (67)
Nashville (67)
Newark (34)
Northbrook (34)
Oaklawn (139)
Olney (67)
Paris (67)
Pecatonica (34)
Pekin (67)
Peoria (34)(67)
Prairie du Rocher(66)
Princeton (34)
Quincy (31)
Rantoul (67)
Roanoke (34)
Rochester (67)
Rockford (34)
St. Charles (139)
St. David (31)
St. Elmo (67)
Salem (67)
Scott (142)
Shelbyville (67)
Sheldon (34)
South Beloit (34)
Springfield (67)
Steger (34)
Sterling (34)
Stockton (34)
Streator (34)
Sycamore (34)
Taylorville (67)
Tinley Park (139)
Tuscola (67)
Urbana (67)
Vandalia (67)
Van Orin (34)
Warren (34)
Waukegan (34)

INDIANA

Advance (70)
Anderson (70)
Angola (35)
Atterbury (70)
Attica (67)
Auburn (35)
Baer (35)
Bargersville (70)
Bedford (70)
Bendix (35)
Bloomingdale (67)
Bloomington (70)
Bluffton (35)
Brownsburg (70)
Bunker Hill (70)
Cedar Grove (70)
Cedar Lake (34)
Chalmers (36)
Charlestown (70)
Clayton (70)
Columbus (70)
Connersville (70)
Crawfordsville (70)
Crown Point (34)
Culver (35)•
Cynthiana (67)
Danville (70)
Decatur (35)
Demotte (34)
Dyer (139)
Elkhart (35)
Elwood (70)
Evansville (67)
Fortville (70)
Fort Wayne (35)
Frankfort (70)
Franklin (70)
Freeman (70)
French Lick Sprgs (70)
Gary (139)
Goshen (35)
Greencastle (70)
Greenfield (70)
Greensburg (70)
Greenwood (70)
Hobart (139)
Huntingburg (70)
Huntington (35)
Indianapolis (70)
Jeffersonville (70)
Kentland (34)
Kingman (67)
Knox (35)
Kokomo (70)
Lafayette (70)
La Fontaine (35)
Lagoda (70)
Lake Village (34)
Lapel (70)
La Porte (35)
Lawrenceburg (70)
Lebanon (70)
Linton (67)
Lizton (70)
Logansport (35)
Lowell (34)
McCool (139)
Madison (70)
Marion (70)
Martinsville (70)
Medaryville (35)
Michigan City (35) (139)
Milroy (70)
Mishawaka (35)
Monticello (35)
Mooresville (70)
Morgantown (70)
Mount Vernon (67)
Mulberry (70)
Muncie (70)
New Carlisle (35)
New Castle (70)
Noblesville (70)
North Manchester(35)
Notre Dame (35)
Oaktown (67)
Ockley (70)
Orleans (70)
Perrysville (67)
Peru (35)
Plainfield (70)
Plymouth (35)
Portland (70)
Ramsey (70)
Rensselaer (34)
Richland (67)
Richmond (70)
Rochester (35)
Rushville (70)
Salem (70)
Scottsburg (70)
Selma (70)
Seymour (70)
Shelbyville (70)
Sheridan (70)
Shoals (70)
South Bend (35)
Stout (70)
Terre Haute (67)
Valparlso (139)
Vevay (70)
Vincennes (67)
Wabash (35)
Warsaw (35)
Washington (67)
Wellsboro (35)
West Lebanon (67)
Winchester (70)
Yorktown (70)
Zionsville (70)

IOWA

Adair (31)
Algona (31)
Anita (31)
Ames (31)
Armstrong (31)
Atlantic (30)
Audubon (30)
Bellevue (31)
Burlington (31)
California (30)
Carroll (31)
Cedar Rapids (31)
Centerville (31)
Charlton (31)
Cherokee (30)
Clarinda (30)
Clarion (31)
Clermont (31)
Clinton (31)
Columbus Jct. (31)
Conrad (31)
Council Bluffs (30)
Creston (31)•
Davenport (31)
Decorah (31)
Denslon (30)
Des Moines (31)
Dows (31)
Dubuque (31)
Dunlap (30)
Dyersville (31)
Earlham (31)
Eldora (31)
Elkader (31)
Emmetsburg (31)
Estherville (31)
Fiscus (30)
Floyd (31)
Fort Dodge (31)
Garner (31)
Glenwood (30)
Grimes (31)
Grinnell (31)
Grand Mound (31)
Grundy Center (31)
Guthrie Center (31)
Hancock (30)
Harlan (30)
Ida Grove (30)
Independence (31)
Iowa City (31)
Iowa Falls (31)
Jefferson (31)
Keokuk (31)
Lake City (31)
Lamoni (31)
Le Mars (30)
Leon (31)
Lone Tree (31)
Lucas (31)
Manning (30)
Marshalltown (31)
Mason City (31)
Mechanicsville (31)
Melbourne (31)
Milford (30)
Missouri Valley (30)
Monona (30)
Monroe (31)
Montezuma (31)
Mt. Airy (31).
Mt. Pleasant (31)
Muscatine (31)
Newton (31)
Ocheydean (30)
Onawa (30)
Oskaloosa (31)
Ottumwa (31)
Pella (31)
Perry (31)
Pocahontas (31)
Randolph (30)•
Red Oak (30)
Riceville (31)
Rock Rapids (30)
Sac City (31)
Seymour (31)
Sheldon (30)
Shenandoah (30)
Sioux City (30)
Sloan (30)
Spencer (20)
Spirit Lake (30)
Storm Lake (30)
Strawberry Point(31)
Stuart (31)
Sutherland (30)
Tiffer (31)
Washington (31)
Waterloo (31)
Webster City (31)
Wesley (31)
Winterset (31)

KANSAS

Abilene (62)
Anthony (62)
Arkansas City (62)
Ashland (59)
Atchison (30)
Atwood (27)
Augusta (62)
Belleville (30)
Beloit (30)
Bern (30)
Brewster (27)
Caldwell (62)
Cassoday (62)
Cedar Point (62)
Chanute (63)
Clay Center (30)
Coffeyville (63)
Colby (27)
Coldwater (59)
Concordia (30)
Derby (62)
De Soto (31)
Dodge City (59)
Downs (30)
Edwardsville (31)
El Dorado (62)
Ellinwood (62)
Emporia (62)
Eureka (62)
Fairfax (31)
Ft. Leavenworth (31)
Ft. Riley (30)
Fort Scott (63)
Fredonia (63)
Garden City (59)
Gardner (63)•
Garnett (63)•
Girard (63)
Goodland (27)
Great Bend (59, 62)
Greensburg (59)
Hays (59))
Hazleton (62)
Herington (62)
Hiawatha (30)
Hoisington (62)
Holton (30)
Holyrood (62)
Hutchinson (62)
Independence (63)
Iola (63)
Johnson (59)
Kansas City (31)
Kechi (62)
Kingman (62)
Kinsley (59)
Kiowa (62)
Lakin (59)
Larkinburg (30)
Larned (59)
Lawrence (30)
Leavenworth (31)
Lebo (63)
Lenexa (63)
Lenora (27)•
Liberal (59)
Lyons (62)
McPherson (62)
Manhattan (30)
Mankato (30)
Marion (62)
Marshall (30)
Meade (59)
Medicine Lodge (62)
Morland (27)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Tyhee,Idaho(23) Ottawa,Ill.(34) Gillespie,Ill.(67) Morton, Ill.(67) Edwardsville,Ill.(142)

Moundridge (62)
Newton (62)
Norton (30)
Oberlin (27)
Olathe (63)
Ottawa (63)
Oxford (62)
Paola (63)
Parsons (63)
Phillipsburg (30)
Pittsburg (63)
Plains (59)
Pratt (62)
Russell (59)
St. Francis (27)
Salina (62)
Satanta (59)
Scott City (59)
Sedan (62)
Seneca (30)
Sharon Springs (59)
Sherman (31)
Smith Center (30)
Smoky Hill (62)
Stafford (62)
Stanley (63)
Summerfield (30)
Syracuse (59)
Topeka (30,63)
Towanda (63)
Viola (62)
Wakefield (30)
Waldo (30)
Walker (59)
Wellington (62)
Wellsville (63)
Wichita (62)
Winfield (62)

KENTUCKY

Ashland (71)
Bowling Green (106)
Bowman (70)
Campbell (103)
Covington (70)
Danville (70)
Eastwood (70)
Fort Knox (70)
Frankfort (70)
Glendale (70)
Godman (70)
Henderson (67)
Hopkinsville (108)
Lexington (70)
London (107)
Louisville (70)
Madisonville (67)
Mayfield (103)
Maysville (71)
Middlesboro (107)
Owensboro (67)
Paducah (103)
Paris (70)
Russell (71)
Shelbyville (70)
Shepherdsville (70)
Somerset (106)
Sturgis (67)
Sulphur (70)
Union (70)
Warsaw (70)

LOUISIANA

Alexandria (119, 122)
Arcadia (99)
Barataria (122)
Barksdale (99)
Bastrop (99)
Baton Rouge (122)
Bogalusa (122)
Camp Polk (119)
Covington (122)
Crowley (119)
Delhi (102)
De Quincy (119)*
De Ridder (119)
Dixie (99)
Donaldsonville (122)
Eunice (122)
Ferriday (122)
Gilbert (122)
Grand Isle (122)*
Hammond (122)
Hodge (119)
Houma (122)
Jennings (119)
Lafayette (122)
Lake Charles (119)
La Place (122)
Leesville (119)
Madisonville (122)
Mansfield (119)
Many (119)*
Minden (99)
Monroe (102)
Natchitoches (119)
Newellton (122)
New Iberia (122)
New Orleans (122)
New Roads (122)
North Camp Polk (119)
Oakdale (119)*
Opelousas (122)
Patterson (122)
Pollock (119)
Ruston (102)
St. Joseph (122)
Shreveport (99)
South Camp Polk (119)
Tallulah (102)
Winnfield (119)
Winnsboro (122)

MAINE

Andover (18)*
Auburn (18)
Augusta (18)
Bangor (18)
Bar Harbor (18)
Belfast (18)
Bethel (18)
Biddeford (46)
Bowdoinham (46)
Brewer (18)
Brunswick (46)
Caribou (18)
Deblois (18)
Dexter (18)
Dow (18)
East Corinth (18)
Eastport (18)
Farmington (18)
Freeport (46)
Fryeburg (18)
Greenville (18)
Houlton (18)
Kennebunk (46)
LaGrange (18)
Lewiston (18)
Limestone (18)
Madison (18)*
Millinocket (18)
Minot (18)
Newport (18)
Norridgewock (18)
Norway (18)
Old Town (18)
Phillips (18)
Pittsfield (18)
Pittston (18)
Portland (46)
Presque Isle (18)
Princeton (18)
Rangeley (18)
Rockland (18)
Sanford (46)
Scarboro (46)
Skowhegan (18)
South Portland (46)
Turner (18)
Waterville (18)
West Burton (46)
Winterport (18)
Yarmouth (46)

MARYLAND

Aberdeen (75)
Andrews (78)
Annapolis (75)
Baltimore (75)
Beltsville (78)
Berwyn (78)
Brandywine (78)*
Camp Springs (78)
Churchville (75)
Clinton (78)
College Park (78)
Croom (78)
Cumberland (74)
Doncaster (75)
Easton (75)
Edgewood Arsenal (75)
Fort Meade (78)
Frederick (75)
Glenburnie (75)
Greenbelt (78)
Hagerstown (75)
Hyattsville (78)
Meekins Neck (75)
Ocean City (75)
Patuxent River (75)
Phillips (75)
Piney Point (75)
Pomonkey (78)
Priest Point (75)
Riverdale (78)
Rock Hall (76)
Rockville (78)
Salisbury (75)
Shady Side (75)*
Taneytown (75)
Westminster (75)
Worton (76)

MASSACHUSETTS

Adams (43)
Agawam (43)'
Auburn (46)
Ayer (46)
Bedford (46)
Beverly (46)
Billerica (46)
Boston (46)
Brant Rock (46)
Brockton (46)
Brookfield (43)
Canton (46)
Chatham (46)
Chicopee Falls (43)
Clinton (46)
Dracut (46)
East Brookfield (43)
Easton (46)
Edgartown (46)
Essex (46)
Everett (46)
Falmouth (46)
Fitchburg (46)
Franklin (46)
Gardner (43)
Great Barrington (43)
Groton (46)
Haverhill (46)
Hyannis (46)
Lawrence (46)
Leicester (46)
Mansfield (46)
Marlboro (46)
Mendon (46)
Montague (43)
Myricks (46)
Nantucket Island (46)
New Bedford (46)
Newburyport (46)
Norfolk (46)
North Adams (43)
Northampton (43)
North Attleboro (46)
North Brookfield (43)
North Grafton (46)
Norwood (46)
Oak Bluffs (46)
Orange (43)
Orleans (46)
Palmer (43)
Peabody (46)
Pittsfield (43)
Plymouth (46)
Revere (46)
Seekonk (46)
South Boston (46)
Southbridge (43)
South Easton (46)
South Weymouth (46)
Spencer (46)
Springfield (43)
Squantum (46)
Taunton (46)
Vineyard Haven (46)
Wareham (46)*
West Barnstable (46)
Westboro (46)
Westfield (43)
Westover (43)
West Springfield (43)
Williamstown (43)
Worcester (46)

MICHIGAN

Adrian (35)
Allegan (35)
Alma (35)
Alpena (15)
Amasa (15)*
Ann Arbor (38)
Armada (38)
Atlanta (15)
AuGres (15)*
Baldwin (15)*
Bangor (35)
Battle Creek (35)
Bay City (38)
Belding (35)
Bellaire (15)*
Benton Harbor (35)
Big Beaver (38)
Big Lake (15)*
Big Rapids (35)
Birmingham (38)
Blaney (15)
Breedsville (35)
Cadillac (15)
Calumet (15)
Caro (38)
Centerville (35)*
Charlevoix (15)
Charlotte (35)
Clare (15)*
Clio (38)
Coldwater (35)
Croswell (38)
Crystal Falls (15)
Davison (38)
Detroit (38)
Douglas (35)
Dowagiac (35)
East Jordan (15)*
Eaton Rapids (35)
Elsie (35)
Escanaba (15)
Farmington (38)
Flat Rock (38)
Flint (38)
Flushing (38)
Fostoria (38)
Frankfort (15)
Fraser (38)
Galesburg (35)
Gaylord (15)
Gladwin (15)
Grand Ledge (35)
Grand Rapids (35)
Grayling (15)
Greenville (35)
Harbor Beach (15)
Harrison (15)*
Hartford (35)
Hastings (35)
Hillman (15)
Hillsdale (35)
Holland (35)
Houghton (15)
Houghton Heights (15)
Howell (38)
Indian River (15)*
Ionia (35)
Iron Mountain (15)
Ironwood (14)
Ishpeming (15)*
Ithaca (35)
Jackson (35)
Kalamazoo (35)
Kalkaska (15)*
Kinross (15)
Lakeview (35)
Lansing (35)
Lapeer (38)
Lawton (35)
Loretto (15)*
Ludington (15)
Mackinaw City (15)*
Manistee (15)
Manistique (15)*
Marenisco (15)*
Marquette (15)
Marshall (35)
Mason (35)
Menominee (15)
Midland (35)
Milan (38)
Mio (15)*
Mt. Clemens (38)
Mt. Pleasant (35)
Munising (15)*
Muskegon (35)
Newaygo (35)
Newberry (15)*
Newport (38)
Niles (35)
Norway (15)
Onaway (15)*
Oscoda (15)
Owosso (35)
Pellston (15)
Petoskey (15)*
Plymouth (38)
Pontiac (38)
Port Huron (38)
Prudenville (15)*
Raco (15)
Rexton (15)*
Rogers City (15)
Romulus (38)
Roscommon (15)*
Roseville (38)
Rothbury (35)
Saginaw (35,38)
St. Helen (15)
St. Ignace (15)
St. James (15)*
Saline (38)
Sault Ste. Marie (15)
Selfridge (38)
Sidnaw (15)*
South Branch (15)
South Haven (35)
Sparta (35)
Sturgis (35)
Tecumseh (38)
Three Rivers (35)
Traverse City (15)
Utica (38)
Warren (38)
Watersmeet (15)*
Wayne (38)
West Branch (15)
White Cloud (35)*
Whitmore Lake (38)
Wildwood (15)
Wixom (38)
Wyandotte (38)
Ypsilanti (38)

MINNESOTA

Aitkin (14)
Albert Lea (31)
Alexandria (11)
Amboy (31)
Anoka (14)
Appleton (11)
Austin (31)
Barnesville (11)
Baudette (14)
Bemidji (14)
Benson (11)
Blue Earth (31)
Brainerd (14)
Camp Ripley (14)
Cokato (14)
Coleraine (14)
Crookston (11)
Detroit Lakes (11)
Dodge Center (14)
Duluth (14)
Ely (14)
Fairmont (31)
Faribault (14)
Fergus Falls (11)
Frontenac (14)
Graceville (11)
Grand Rapids (14)
Hamel (14)
Hastings (14)
Hector (14)
Hibbing (14)
Jordan (14)
Kenyon (14)
Lake City (14)
Le Sueur (14)
Little Falls (14)
Littlefork (14)
Litchfield (14)
Luverne (30)
Madison (11)
Mankato (14)
Marshall (11)
Mayer (14)*
Minneapolis (14)
Montevideo (11)
Monticello (14)
Morris (11)
New Brighton (14)
Nisswa (14)
New Ulm (14)
Ortonville (11)
Osseo (14)
Owatonna (14)
Park Rapids (11)
Pipestone (30)
Princeton (14)
Redwood Falls (11)
Robbinsdale (14)
Rochester (31)
St. Cloud (14)
St. Paul (14)
St. Peter (14)
Sherburn (31)
South St. Paul (14)
Stanton (14)
Taylor Falls (14)
Thief River Falls (11)
Tofte (14)
Triumph (31)
Virginia (14)
Wadena (11)
Waseca (14)
Westbrook (11)
White Bear Lake (14)
Willmar (11)
Winona (14)
Worthington (30)

MISSISSIPPI

Aberdeen (123)
Batesville (102)
Biloxi (127)
Brookhaven (122)
Canton (102)*
Clarksdale (102)
Cleveland (102)
Columbus (123)
Corinth (103)
Ellisville (127)*
Eupora (123)
Flora (102)
Florence (122)
Forest (123)
Glen Allan (102)
Greenville (102)
Greenwood (102)
Grenada (123)
Gulfport (127)
Hattiesburg (127)
Heads (102)*
Houston (123)
Jackson (122,102)
Keesler (127)
Laurel (123)
Leland (102)
Louisville (123)
McComb (122)
McLaurin (127)
Marks (102)
Meridian (123)
Moorhead (102)
Natchez (122)
Nesbitt (102)
Newton (123)*
Oxford (103)
Pascagoula (127)
Pelahatchee (123)
Picayune (127)
Rockport (122)
Starkville (123)
Tupelo (103)
Tylertown (122)
Vicksburg (102)
Walls (102)
Winona (123)
Yazoo (102)
Yokena (122)
Zeiglerville (102)

MISSOURI

Advance (103)
Bethany (31)
Bolivar (63)
Boonville (66)
Bowling Green (31)
Branson (63)*
Brookfield (31)
Butler (63)
Cabool (66)
Cameron (31)
Campbell (66)
Cape Girardeau (103)
Carthage (63)
Cassville (63)
Charleston (103)
Chillicothe (31)
Clinton (63)
Columbia (66)
Craig (30)
Diamond (63)
Ellisville (142)
Excelsior Spgs. (31)
Farmington (66)
Fayette (31)
Fenton (142)
Festus (66)
Fulton (66)
Gallatin (31)
Garden City (63)
Grant City (31)
Gravois Mills (66)*
Hannibal (31)
Harrisonville (63)
Houston (66)
Iberia (66)
Independence (31)
Jefferson City (66)
Joplin (63)
Kansas City (31,63)
Kennett (66)
Kirksville (31)
Kirkwood (142)
Knobnoster (63)
Lebanon (66)
Lexington (31)
Liberty (31)
Luray (31)
McBride (67)
Machens (142)*
Malden (103)
Marceline (31)
Marshall (31)
Maryville (32)
Mexico (31)
Moberly (31)
Monett (63)
Neosho (63)
Nevada (63)
New Florence (66)
Osborn (31)
Poplar Bluff (66)
Rolla (66)
St. Charles (142)
St. Joseph (31)
St. Louis (142)
St. Peters (66)
Savannah (31)
Sedalia (63)
Sikeston (103)*
Slater (31)
Spanish Lake (66,142)
Springfield (63)
Tarkio (30)
Trenton (31)
Unionville (31)
Valley Park (142)
Versailles (66)
Vichy (66)
Warrensburg (63)
West Plains (66)
Windsor (63)

MONTANA

Alberton (6)
Baker (10)
Belt (6)
Big Timber (7)
Billings (7)
Birney (7)*
Bozeman (6)
Butte (6)
Cascade (6)
Chester (6)
Chinook (7)*
Choteau (6)
Circle (7)
Columbus (7)
Conrad (6)
Custer (7)
Cut Bank (6)
Deer Lodge (6)
Dell (6)
Denton (7)
Dillon (6)
Drummond (6)
Ennis (6)*
Eureka (3)
Flathead (6)*
Forsyth (7)
Fort Benton (6)
Fort Peck (7)
Gardiner (6)
Gates Park (6)*
Geraldine (6)
Geyser (6)
Glasgow (7)
Glendrive (10)
Great Falls (6)
Gregson (6)
Hamilton (6)
Hardin (7)*
Harlem (7)
Harlowton (6)
Havre (7)
Helena (6)
Homestake (6)
Hot Springs (6)*
Huson (6)*
Ingomar (7)*
Jordan (7)*
Kalispell (6)
Lavina (7)
Lewistown (7)
Libby (3)
Livingston (6)
McDonald Pass (6)
Malta (7)
Mildred (7)
Miles City (7)
Missoula (6)
Moore (7)
Mullan Pass (3)
Nibbe (7)
Park City (7)
Plains (6)
Plentywood (10)
Polesbridge (6)
Poison (6)
Poplar (7)*
Rapelje (7)
Red Lodge (7)*
Roundup (7)*
St. Xavier (7)

(85)-Page number of chart on which these locales are inscribed. *-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Philadelphia, Miss. (123)

Scobey (7)
Seeley Lake (6)•
Shelby (6)
Sheridan (7)
Sidney (10)
Stanford (6)
Stevensville (6)
Superior (6)
Tampico (7)
Thompson Falls (3)
Townsend (6)
Troy (6)•
Twin Bridges (6)
Valier (6)
Vida (7)
West Yellowstone (6)
Whitehall (6)
White Sulphur Spgs. (6)
Whitetail (6)
Winston (6)
Wolf Point (7)

[redacted]

Ainsworth (30)
Alliance (27)
Atkinson (30)
Auburn (30)
Bayard (27)
Beatrice (30)
Beaver City (30)
Benkelman (27)
Big Springs (27)
Blair (30)
Brainard (30)
Broken Bow (30)
Bruning (30)
Chadron (27)
Chappell (27)
Clay Center (30)
Columbus (30)
Cozad (30)
Crawford (27)
Crete (30)
David City (30)
Decatur (30)
Elgin (30)
Fairbury (30)
Falls City (30)
Fort Robinson (27)
Fremont (30)
Geneva (30)
Gordon (27)
Gothenburg (27)
Grand Island (30)
Harvard (30)
Hastings (30)
Hayes Center (27)
Hay Springs (27)
Hebron (30)
Holdrege (30)
Humboldt (30)
Imperial (27)
Kearney (30)
Lexington (30)
Lincoln (30)
Lorenzo (27)
McCook (27)
Mead (30)
Mitchell (27)
Norfolk (30)
North Platte (27)
Offutt (30)

Ogallala (27)
Ohiowa (30)
Omaha (30)
Ord (30)
Oshkosh (27)
Overton (30)
Pender (30)
Potter (27)
Rushville (27)•
Schuyler (30)
Scottsbluff (27)
Scribner (30)
Seneca (27)
Sidney (27)
Tecumseh (30)
Valentine (27)•
Wayne (30)
Weeping Water (30)
West Point (30)

[redacted]

Alamo (54)•
Austin (22,51)
Battle Mountain (22)
Boulder City (54)
Buffalo Valley (22)
Caliente (54)
Carlin (22)
Carson City (51,22)
Crystal (54)
Death (22)
Elko (22)
Ely (22)
Fallon (51,22)
Fernley (51,22)
Gabbs (51)
Genoa (51)
Goodsprings (54)
Hawthorne (51)
Humboldt (22)
Indian Springs (54)
Las Vegas (54)
Lovelock (22,51)
Manhattan (51)•
Minden (51)
Mormon Mesa (94)
Orovada (22)•
Owyhee (22)
Reno (51,22)
Scottys (51)
Searchlight (54)•
Smith (51)
Sparks (22,51)
Tonopah (51)
Ventosa (22)
Wadsworth (22)
Wells (33)
Winnemucca (22)
Yerington (51,22)

[redacted]

Berlin (18)
Boscawen (46)
Claremont (43)
Concord (46)
Grenier (46)
Haverhill (18)
Hampton (46)
Hinsdale (43)
Hooksett (46)
Keene (43)
Lancaster (18)

Laconia (46)
Lebanon (43)
Littleton (18)
Manchester (46)
Nashua (46)
Newport (43)
North Conway (18)
Plymouth (46)
Portsmouth (46)
Sommersworth (46)
Twin Mountain (18)
Whitefield (18)
Wolfeboro (46)

[redacted]

Adamston (79)•
Almonesson (75)
Andover (79)
Asbury Park (79)
Ashland (78)
Atlantic City (79)
Auburn (75)
Barrington (78)
Basking Ridge (79)
Belmar (79)
Belvidere (42)
Bendix (79)
Blairstown (42,79)
Boonton (79)
Bridgeport (76)
Bridgeton (75)
Burlington (75)
Caldwell (79)
Camden (78)
Cape May (79)
Cassville (79)
Chatsworth (79)•
Clarksville (79)
Clinton (79)
East Hanover (79)
Elizabeth (79)
Forked River (79)
Ft. Dix (79)
Freehold (79)
Glassboro (75)
Greenwich (75)
Hackettstown (79)
Hightstown (79)
Keyport (79)•
Lakehurst (79)
Lakewood (79)
Landisville (79)
Lebanon (79)
Lincoln Park (79)
Marlton (75)
Metuchen (79)
Millville (75)
Moorestown (79)
Morristown (79)
Newark (79)
New Brunswick (79)
North Brunswick (79)
Ocean City (79)•
Paterson (79)
Pennington (79)
Penns Grove (75)
Pitman (75)
Pittstown (75)
Princeton (79)
Rahway (79)
Readington (79)

Red Bank (79)
Richland (79)
Salem (75)
Somerville (79)
Sussex (43)
Trenton (78,79)
Vineland (75)
Wildwood (79)
Woodbine (79)
Woodbridge (79)
Wrightstown (79)

[redacted]

Acomita (55)
Alamogordo (90,87)
Albuquerque (55)
Anton Chico (55)
Artesia (90)
Aztec (55)•
Belen (55)
Berino (87)
Carlsbad (90)
Carrizozo (90)
Clayton (55)
Clovis (55)
Columbus (87)
Cubero (55)
Cuervo (55)
Deming (87)
Dora (90)
Eagle Nest (55)•
El Morro (55)
Eagle (87)
Farmington (55)
Fort Sumner (55)
Gallup (55)
Hachita (87)
Harrington Ranch (87)
Hobbs (91)
Hot Springs (87)
Hurley (87)
Jal (91)
Juan Tomas (55)
Kirtland (55)
Las Cruces (87)
Las Vegas (55)
Lordsburg (55)
Lovington (90)
Magdalena (55)
Maxwell (55)•
Mesilla Park (87)
Milnesand (90)
Mountainair (55)
Mount Riley (87)
Otto (55)
Peralta (55)
Portales (55)
Raton (55)
Rodeo (55)
Roswell (90)
Roy (55)•
Ruidoso (90)
Santa Fe (55)
Shiprock (55)•
Silver City (87)
Socorro (55)
Strauss (87)
Taos (55)
Tucumcari (55)
Tularosa (87)•
Wagon Mound (55)

[redacted]

Accord (43)
Albany (43)
Amityville (79)
Angola (39)
Amsterdam (43)
Arcade (39)
Armonk (43)
Auburn (42)
Auriesville (43)
Ballston Spa (43)
Batavia (39)
Bayport (79)•
Bedford (43)•
Beekman (43)
Bethpage (79)
Billings (43)
Binghamton (42)
Blasdell (39)
Boonville (42)
Brentwood (79)•
Buffalo (39)
Cairo (43)
Canastota (42)
Carlisle (43)
Carthage (42)
Catskill (43)
Cheektowaga (39)
Cicero (42)
Clarence (39)
Clason's Point (7
Colonie (43)
Commack (79)
Cooperstown (43)
Cortland (42)
Dansville (42)
Deer Park (79)•
Delanson (43)
Depew (39)
Dunkirk (39)
East Amherst (39)
East Greenbush (43)
East Hampton (43,79)
East Pembroke (39)
Edgemere (79)
Elizabeth (43)
Elmira (42)
Endicott (42)
Falconer (39)
Farmingdale (79)
Fisher's Island (43)
Flatbush (79)
Flushing (79)
Fort Plain (43)
Fredonia (39)
Fulton (42)
Gardenville (39)
Geneva (42)
Getzville (39)
Glens Falls (42)
Gloversville (43)
Gowanda (39)
Great Bend (18)
Greenridge (79)
Halcott Center (43)
Hamburg (39)
Hamilton (42)
Hammondsport (42)
Hancock (42)•
Hempstead (79)

Herkimer (43)
Hicksville (79)
Hilton (42)
Honeoye Falls (42)
Hornell (42)
Horseheads (42)
Idlewild (79)
Islip (79)
Ithaca (42)
Jamestown (39)
Johnstown (43)
Keene (18)•
Keeseville (18)
Kingston (43)
Kirkville (42)
Lake Placid (18)
Lancaster (39)
Livingston Manor (43)
Lockport (39)
Malone (18)
Margaretville (43)
Massapequa (75)
Massena (18)
Mastic (79)
Mattituck (43,79)
Medina (39)
Medway (43)
Mexico (42)
Middleburg (43)
Middletown (43)
Millerton (43)
Mineola (79)
Minoa (42)
Mitchel (79)
Montgomery (43)
Monticello (43)
Montour Falls (42)
Moravia (42)
Narrowsburg (42)
Newark (42)
New Baltimore (43)
Newburgh (43)
New City (43)
New Hackensack (43)
New Paltz (43)
New Springville (79)
New York (79)
Niagara Falls (39)
North Tonawanda (39)
Northville (43)
Norwich (42)
Nyack (43)
Ogdensburg (18)
Olcott (39)
Olean (39)
Oneonta (42)
Owasco (42)•
Painted Post (42)
Palmyra (42)
Peekskill (43)
Penn Yan (42)
Perry (39)
Piseco (43)
Pittsford (42)
Plattsburg (18)
Port Chester (79)
Port Jervis (43)
Potsdam (18)
Poughkeepsie (43)
Pulaski (42)
Ravena (43)

Red Creek (42)
Rexford (43)
Rhinebeck (43)
Richland (42)
Richmondville (42)
Ripley (39)
Rochester (42)
Rockaway Park (79)
Rome (42)
Rushville (42)
Salamanca (39)
Saranac Lake (18)
Saratoga Springs (43)
Sayville (79)•
Schenectady (43)
Schuylerville (43)
Scottsville (42)
Selkirk (43)
Seneca Falls (42)
Sidney (42)
Silver Creek (39)
Silver Springs (39)
Somers (43)
Springville (39)
Stewart (43)
Stormville (43)
Syracuse (42)
Ticonderoga (43)
Tonawanda (39)
Travis (79)•
Troy (43)
Tupper Lake (18)•
Utica (42)
Valley Stream (79)
Walden (43)
Walkill (43)
Wappingers Falls (43)
Warwick (43)
Watertown (42)(18)•
Wellsville (42)
Westfield (39)•
Westhampton Beach (43,79)
Westport (18)
White Plains (43)
Whitesville (42)
Williamsville (39)
Wingdale (43)
Wolcottsville (39)
Wurtsboro (43)

[redacted]

Aberdeen (110)
Albermarle (110)
Asheboro (110)
Asheville (107)
Atlantic (111)
Aydlette (111)
Balloon (110)
Barco (111)
Beaufort (111)
Belmont (110)
Black Mountain (107)
Bogue (111)
Burgaw (111)
Burlington (110)
Candor (110)•
Carolina Beach (111)
Chapel Hill (110)
Charlotte (110)
Cherry Point (111)
Clinton (111)

Concord (110)
Derita (110)
Draper (110)
Durham (110)
Eagle Springs (110)
Edenton (111)
Elizabeth City (111)
Elkin (110)
Erwin (110)
Fayetteville (110)
Fort Bragg (110)
Franklin (107)
Gastonia (110)
Gibsonville (110)
Goldsboro (111)
Greensboro (110)
Greenville (111)
Henderson (111)
Hendersonville (107)
Hickory (110)
High Point (110)
Hoffman (110)
Jacksonville (111)•
Jonesville (110)
Julian (110)
Kannapolis (110)
Kings Mountain (110)
Kinston (111)
Laurinburg (110)
Lexington (110)
Lillington (110)
Lincolnton (110)
Louisburg (111)
Lumberton (110)
Manteo (111)
Marion (107)
Maxton (110)
Mayodan (110)
Mocksville (110)
Monroe (110)
Morganton (107)
Mt. Airy (110)
Mt. Olive (111)
New Bern (111)
New River (111)
Newton (110)
North Wilkesboro (110)
Oxford (110)
Pinehurst (110)
Pollocksville (111)
Pope (110)
Raeford (110)
Raleigh (110)
Red Springs (110)
Reidsville (110)
Roanoke Rapids (111)
Rockingham (110)
Rocky Mount (111)
Roxboro (110)
Salisbury (110)
Sanford (110)
Selma (111)
Seymour Johnson (111)
Shelby (107)
Siler City (110)
Southern Pines (110)
South Mills (111)
Spindale (107)
Statesville (110)
Sylva (107)
Tarboro (111)
Thomasville (110)
Wadesboro (110)

Wallace (111)
Warrenton (111)
Washington (111)
Weeksville (111)
West Jefferson (107)
Whiteville (110)
Wilmington (111)
Wilson (111)
Winston-Salem (110)
Yanceyville (110)
Zebulon (111)

[redacted]

Abercrombie (11)
Ashley (11)
Beach (10)
Bismarck (10)
Bowman (10)
Cando (11)
Carrington (11)
Crosby (10)
Dawson (11)
Devils Lake (11)
Dickinson (10)
Driscoll (10)
Dunseith (10)•
Fargo (11)
Fessenden (11)
Glen Ullin (10)
Golva (10)
Grand Forks (11)
Harvey (11)
Hettinger (10)
Jamestown (11)
Judson (10)
Killdeer (10)
Langdon (11)
Lisbon (11)
Minot (10)
Mohall (10)
Mott (10)
New England (10)
New Rockford (11)
Parshall (10)
Pembina (11)
Portal (10)
Rhame (10)
Rolla (11)
Rugby (10)
Towner (10)
Valley City (11)
Wahpeton (11)
Washburn (10)
Watford (10)
West Fargo (11)
Wheatland (11)
Williston (10)
Wyndmere (11)

[redacted]

Akron (35)
Alliance (35)
Amanda (71)•
Archbold (35)
Ashland (35)
Ashtabula (39)
Athens (71)
Avon Lake (35)
Barberton (35)
Bedford (139)
Bowling Green (35)
Brecksville (35)

Brookfield (39)
Bryan (35)
Bucyrus (35)
Cambridge (71)
Canton (35)
Chagrin Falls (139)
Chardon (139)
Cherry Fork (71)
Chesapeake (71)
Chillicothe (71)
Cincinnati (70)
Cleveland (139)
Clinton County (71)
Coldwater (70)
Columbus (71)
Conneaut (39)
Crooksville (71)
Dayton (70)
Defiance (35)
E. Liverpool (39)
Elyria (139)
Fairfield (70)
Findlay (35)
Fremont (35)
Fostoria (35)
Galion (35)
Gallipolis (71)•
Greenford (39)
Greenville (70)
Grove City (71)
Hamilton (70)
Harrison (70)•
Hayesville (35)
Hicksville (35)
Hilliard (71)
Homerville (35)
Hooker (71)
Hudson (139)
Jackson (71)
Johnsville (70)
Kellys Island (35)•
Kent (35)
Kenton (71)
Lancaster (71)
Lebanon (70)•
LeRoy (35)
Lewisburg (70)•
Lewistown (71)
Lima (35)
Lockbourne (71)
Lorain (139)
Loveland (70)
Lurken (70)
Magnolia (71)
Mansfield (35)
Marietta (71)
Marion (71)
Mason (70)
Massillon (35)
Medina (35)
Middletown (70)
Minford (71)
Montezuma (70)
Morrow (70)•
Mt. Liberty (71)
Mt. Orab (71)
Mt. Vernon (71)
Nevada (35)
Newark (71)
New Holland (71)
New Paris (70)
New Philadelphia (71)

(35)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

North Benton (38)
Northfield (139)
North Royalton (38)
Norwalk (38)
Oxford (70)
Patterson (70)
Paulding (38)
Perry (38)
Piqua (70)
Port Clinton (38)
Portsmouth (71)
Put-in-Bay (38)
Reynoldsburg (71)
Rushsylvania (71)•
Sandusky (38)
Sharonville (70)
Sidney (70)
Solon (139)
Springfield (71)
Summit Station (71)
Tiffin (38)
Tiltonsville (74)•
Toledo (38)
Toronto (74)
Troy (70)
Urbana (71)
Vandalia (70)•
Van Wert (35)
Vermilion (139)
Verona (70)
Wakeman (139)
Warren (39)
Washington (71)
Watertown (71)
Wauseon (35)
Wellington (38)
Willard (38)
Williamsfield (39)
Willoughby (139)
Wilmington (71)
Woodsfield (71)•
Wooster (38)
Wright (70)
Youngstown (39)
Zaleski (71)•
Zanesville (71)
Wapakoneta (70)

[redacted]

Ada (95)
Afton (63)
Altus (94)
Anadarko (98)
Antlers (96)
Alva (62)
Ardmore (95)
Atoka (95)
Bartlesville (62)
Blackwell (62)
Boise City (59)
Buffalo (59)
Calumet (98)
Carnegie (94)
Cherokee (62)

Chickasha (98)
Claremore (63)
Clinton (94)
Cordell (94)
Cushing (62)
Delhi (94)
Dill (64)
Duncan (95)
Durant (95)
Edmond (62)
Elk City (94)
El Reno (98)
Enid (62)
Erick (94)
Fort Cobb (98)
Frederick (94)
Gage (59)
Geary (98)
Grandfield (94)
Great Salt Plains (62)
Guthrie (62)
Guymon (59)
Heavener (99)•
Hinton (98)
Hobart (94)
Holdenville (96)

Hugo (99)
Idabel (99)
Jefferson (62)
Jet (62)
Kingfisher (62)
Lamont (62)
Langston (62)
Lawton (94,95)
Lexington (98)
McAlester (95)
Mangum (94)
Marietta (95)
Marlow (95)
Miami (63)
Moore (98)
Moseley (63)
Muskogee (99,63)

Newalla (95)
Newkirk (62)
Norman (98)
Nowata (63)
Oklahoma City (98)
Okmulgee (95)
Pauls Valley (96)
Pawhuska (62)
Perry (62)
Picher (63)
Ponca City (62)
Post (95)
Poteau (99)•
Pryor (63)
Red Fork (62)
Roosevelt (94)
Sapulpa (62)
Sayre (94)
Seminole (96)
Sentinel (94)
Shawnee (96)
Skiatook (62)
South Coffeyville (63)
Stillwater (62)
Stilwell (63)
Stroud (62)
Swain (96)
Tahlequah (63)
Thomas (62)
Tinker (95)
Tishomingo (96)•
Tonkawa (62)
Tulsa (62,63)
Verdigris River (63)
Vinita (63)
Walters (95)
Washington (95)
Watonga (62)
Weatherford (94)
Wetumka (95)
Wewoka (95)
Woodward (59)
Yukon (98)

[redacted]

Albany (2)
Alkali (22)
Arlington (2)
Astoria (2)
Aurora (142)
Baker (3)
Bay Ocean (2)
Beaver Marsh (19)
Beaverton (142)
Bend (2)
Boardman (3)
Brooks (2)
Burns (22)
Cabbage Hill (3)
Canby (142)
Cave Junction (19)•
Corvallis (2)
Cottage Grove (19)
Cow Creek (19)
Creswell (19)
Dallas (2)
Denmark (19)
Eagle Point (19)
Elgin (3)•
Enterprise (3)
Eugene (2)
Grants Pass (19)
Gresham (142)
Harrisburg (2)
Hermiston (3)
Hillsboro (142)
Hood River (2)
Idanha (2)•
Joseph (3)
Klamath Falls (19)
La Grande (3)
Lakeside (19)
Lakeview (19)
Lebanon (2)
Lexington (3)
McMinnville (2)
Madras (2)
Medford (19)
Milton (3)
Monmouth (2)
Molino (142)
Myrtle (19)
Newberg (142)
Newport (2)
North Bend (19)
Ontario (3)
Oregon City (142)
Pendleton (3)
Pilot Rock (3)
Portland (142)
Prineville (2)
Redmond (2)
Riddle (19)
Rome (22)
Roseburg (19)
Salem (2)
Scappoose (142)

Silverton (2)
Sutherlin (19)
Sweet Home (2)
The Dalles (2)
Tillamook (2)
Trail (19)
Troutdale (142)
Vernonia (2)
Wasco (2)
Willamette (2)
Woodburn (142)
Worden (19)

[redacted]

Allentown (42,75)
Altoona (74)
Ambler (78)
Andreas (42)
Athens (42)
Beaver Falls (39)
Bellefonte (42)
Bloomsburg (42)
Boothwyn (75)
Bradford (39)
Bristol (78)
Brockway (39)
Brookville (39)
Buckstown (74)
Butler (39)
Canadensis (42)
Campbelltown (75)
Carlisle (75)
Cecil (74)
Chambersburg (75)
Chester (78)
Clarion (39)
Clearfield (39)
Coatesville (75)
Collegeville (78)
Conneaut Lake (39)
Connellsville (74)
Conway (39)
Corbett (42)
Corry (39)
Cresson (74)
Daleville (42)
Danville (42)
Douglassville (75)
Doylestown (78)
Dubois (39)
Duncansville (74)
Easton (42,75)
Ebensburg (74)
Elysburg (42)
Erie (39)
Fogelsville (75)
Gettysburg (75)
Gordon (42)
Granville (75)
Greater Pittsburg (74)
Greensburg (74)
Greenville (39)
Grove City (39)
Hanover (75)
Harrisburg (78)
Harrison (74)
Hazleton (42)
Hershey (75)
Holmesburg (78)
Hookstown (74)
Hughesville (42)
Huntingdon (74)
Indiana (74)
Johnstown (74)
Johnsville (78)
Kearsarge (39)
Kutztown (75)
Kylertown (39)
Lake Carey (42)
Lancaster (75)
Langhorne (78)
Lansdale (78)
Latrobe (74)
Leechburg (74)
Lehighton (42)
Lewistown (75)
Linesville (39)
Lock Haven (42)
Marchand (39)
Mars (39)
Matamoras (43)
Meadville (39)
Mercer (39)
Middletown (75)
Milton (42)
Mohrsville (75)
Montgomeryville (78)
Morrisville (78,79)
Mt. Jewett (39)
Mt. Pleasant (74)
Mt. Pocono (42)
Mt. Union (75)
Myerstown (75)
New Alexandria (74)
New Castle (39)
New Hanover (75)
New Kingston (75)
Nicholson (42)•
Norristown (78)
North Springfield (39)
Oil City (39)
Olmsted (75)
Olyphant (42)•
Paoli (75)
Philadelphia (78)
Philipsburg (39)
Pine Grove (75)
Pitcairn (74)
Pittsburgh (74)
Pottstown (75)
Pottsville (75)
Punxsutawney (39)
Quakertown (78)
Reading (75)
Ridgeway (39)
Salix (74)
Sayre (42)
Scranton (42)
Selinsgrove (42)
Seven Valleys (75)
Slatington (42)
Somerset (74)
State College (42)
Stroudsburg (42)
Summerhill (74)
Sunbury (42)
Tamaqua (42)
Tarentum (74)
Towanda (42)
Tunkhannock (42)
Utahville (39)
Vandergrift (74)
Wallaceton (39)
Warren (39)
Waynesboro (75)
Waynesburg (74)
West Chester (75)
Wilkes-Barre (42)
Williamsport (42)
Willow Grove (78)
Womelsdorf (75)
York (75)
Youngsville (39)

[redacted]

Charlestown (46)
Greene (46)
Providence (46)
Smithfield (46)
Westerly (46)
Woonsocket (46)

[redacted]

Aiken (131)
Allendale (131)
Anderson (107)
Bamberg (131)
Barnwell (131)
Beaufort (131)
Bennettsville (110)
Calhoun Falls (107)
Camden (110)
Charleston (131)
Cheraw (110)
Chesnee (107)•
Chester (110)
Columbia (131)
Darlington (110)
Ellore (131)
Estill (131)
Florence (110)
Georgetown (131)
Greenville (107)
Greenwood (107)
Hartsville (110)
Kershaw (110)
Lancaster (110)
Lane (131)
Laurens (107)
Little Rock (110)•
Manning (131)
Myrtle Beach (131)
North (131)
North Augusta (131)
Orangeburg (131)
Parris Island (131)
Ridgeland (131)
Rock Hills (110)
St. Matthews (131)
Shaw (131)
Spartanburg (107)
Summerville (131)
Sumter (131)
Timmonsville (110)
Trenton (131)
Walterboro (131)
Wampee (131)

[redacted]

Aberdeen (11)
Belle Fourche (10)•
Britton (11)
Brookings (11)
Carthage (11)
Chamberlain (30)
Custer (27)
Dell Rapids (30)
Edgemont (27)
Elk Point (30)
Eureka (11)•
Faulkton (11)
Flandreau (11)
Gregory (30)
Hot Springs (27)
Huron (11)

Madison (11)
Martin (27)
Milbank (11)
Miller (11)
Mitchell (30)
Mobridge (10)
Newell (10)
Philip (10)
Pierre (10)
Platte (30)
Presho (27)
Rapid City (10)
Redfield (11)•
Reliance (30)
Sioux Falls (30)
Sisseton (11)
Spearfish (10)
Stevens (30)
Vermillion (30)
Wagner (30)
Watertown (11)
Willow Lake (11)
Winner (30)
Yankton (30)

[redacted]

Chattanooga (106)
Clarksville (103)
Cookeville (106)
Cowan (106)
Crossville (106)
Cuba (103)
Dyersburg (103)
Fairview (106)
Fisherville (103)
Gallatin (106)
Graham (103)
Green Brier (106)
Humboldt (103)
Jacks Creek (103)
Jackson (103)
Kingston (106)
Knoxville (107)
Lebanon (106)
McMinnville (106)•
Manchester (106)
Martin (103)
Memphis (103)
Milan (103)
Morristown (107)
Mt. Juliet (106)
Mount Pleasant (103)
Murfreesboro (106)
Nashville (106)
Piedmont (107)
Pulaski (106)
Smithville (106)
Smyrna (106)
Tallassee (107)
Tri-City (107)
Tullahoma (106)
Union City (103)
Walterhill (106)
Whiteville (103)

[redacted]

Abernathy (91)
Abilene (94)
Adrian (59)
Alamo (114)
Albany (94)
Alice (114)
Alpine (87)
Amarillo (59)
Anahuac (119)
Anson (94)
Aragon #5 (87)
Arcola (118)
Arlie (94)
Arlington (98)
Asherton (114)
Austin (118)
Austwell (114)
Baird (94)
Ballinger (115)
Bandera (115)
Bay City (118)
Beaumont (119)
Beeville (114)
Belton (118)
Bergstrom (118)
Biggs (87)
Big Spring (91)
Bonham (95)
Borger (59)
Bowie (95)•
Brackettville (115)
Brady (115)
Breckenridge (94)
Brooks (142)
Brownfield (91)
Brownsville (114)
Brownwood (115)
Bryan (118)
Burkburnett (94)
Burnet (115)
Cameron (118)•
Camp Hood (118)
Canadian (59)
Candelaria (87)•
Canyon (59)
Carrizo Springs (114)
Carthage (119)
Castolon (87)
Castroville (115)•
Childress (94)
Cisco (94)
Clarendon (94)
Clarksville (99)
Claude (59)
Clear Springs #5 (115)
Cleburne (118,98)
Coleman (115)
College Station (119)
Comanche (115)•
Commerce (95)
Conroe (118)
Corpus Christi (114)
Corsicana (118)
Cox (99)
Crane (91)
Crystal City (114)
Cuero (114,118)
Cypress (118)
Dalhart (59)
Dallas (98)
Damon (118)
Delaware Springs (90)
Del Rio (87)
Denison (95)
Denton (95)
Denver City (91)
Dimmitt (59)
Dolores (114)•
Dryden (87)
Dublin (115)
Dumas (59)
Duncanville (98)
Eagle Pass (114)
Eastland (94)
Eden (115)
Edinburg (114)
Edna (114)
El Campo (118)
Eldorado (91)
Electra (94)
Ellington (118)
El Paso (87)
Elsa (114)
English (59).
Ennis (118)
Falfurrias (114)
Floydada (59)
Forney (95)
Fort Clark (115)
Fort Hancock (90)•
Fort McKavett (115)
Fort Stockton (91)
Fort Worth (98)
Freeport (114)
Freer (114)•
Friona (59)
Gainesville (95)
Galveston (119)
Garland (98)
Gaskin (95)
Gatesville (118)
Georgetown (118)
Gilmer (99)•

Gonzales (118)
Goodfellow (115)
Goose Creek (119)
Gorman (115)
Grand Prairie (98)
Gregory (114)
Greenville (95)
Gruver (59)
Guadalupe Pass (90)
Hamilton (115)
Hammond (118)
Handley (98)
Harlingen (114)
Harpersville (94)
Haslet (95,98)
Hearne (118)
Henderson (119)
Hensley (98)
Hereford (59)
Hillsboro (118)
Hitchcock (119)
Hondo (115)
Houston (118,119)
Hudspeth (90)
Hueco Mountain (87)
Huntsville (118)
Idalou (91)
Iraan (91)•
Jacksonville (118)
Joshua (95)
Karnack (99)
Kaufman (98)
Kelly (142)
Kenedy (114)
Kent (90)
Kermit (91)
Kerrick (59)
Kerrville (115)
Kilgore (99)
Killeen (118)
Kingsville (114)
Kirbyville (119)•
Knox City (94)
Lamesa (91)
Lampasas (115)
Laredo (114)
Laughlin (87)
Leaday (115)
Levelland (91)
Littlefield (91)
Llano (115)
Longfellow (87)•
Longview (99)
Los Fresnos (114)
Louise (118)
Lubbock (91)
Lufkin (119)
Luling (118)
McAllen (114)
McCamey (91)
McKinney (98)
Madisonville (118)•
Magnolia Beach (114)
Marathon (87)
Marfa (87)
Marlin (118)
Marshall (99)
Martindale (142)
Mason (115)•
Matagorda Island (114)
Matagorda Peninsula (114)
Mathis (114)•
Mercedes (114)
Mexia (118)
Midland (91)
Mineola (99)
Mineral Wells (95)
Mission (114)
Monahans (91)
Mt. Pleasant (99)
Muleshoe (59)
Muenster (95)
Nacogdoches (119)
Navasota (118)
Newark (98)
New Braunfels (115,142)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Charleroi, Penn. (74) Grauwyler Park, Tex. (98) Martinsburg, Penn. (74)

Odessa (91)
Old Ocean (114)
Olney (94)
Orange (119)
Orla (90)
Ozona (91)
Paducah (94)
Palacios (114)
Palestine (118)
Pampa (94)
Pandale (87)
Paris (99)
Parker (118)
Pawnee (114)
Pecos (90)
Perrin (98)
Perryton (59)
Plainview (59)
Pleasanton (114)
Port Arthur (119)
Port Isabel (114)
Portland (114)
Port Lavaca (114)
Poteet (114)
Prairie Hill (118)
Presidio (87)•
Pyote (91)
Quanah (94)
Randolph (142)
Ranger (94)
Raymondville (114)
Red Bluff (90)
Refugio (114)
Rita Santa (91)•
Roaring Springs (91)
Rockport (114)
Rock Springs (115)•
Ryan #3 (87)
Saginaw (98)
Salt Flat (90)
San Angelo (118)
San Antonio (142)
San Benito (114)
Sanderson (87)•
San Marcos (115)
Sayers (142)
Schulenburg (118)
Seguin (115)
Seymour (94)
Sheppard Kell (94)
Sherman (96)
Sierra Blanca (90)•
Simms (99)
Sinton (114)
Soncy (59)
South #1 (87)
South Plains (91)
Spearman (59)
Spring Branch (115)
Spur (91,94)
Stamford (94)
Stanton (91)
Stephenville (115)
Sulphur Springs (95)
Sweetwater (94)
Taft (114)
Taylor (118)
Teague (118)
Temple (118)
Terlingua (87)•
Terrell (95,98)
Texarkana (99)
Texas City (119)
Texhoma (59)
Tulia (59)
Twitty (94)
Tyler (118)
Uvalde (115)
Van Horn (90)
Velasco (114)
Vernon (94)
Victoria (114)
Waco (118)
Waxahachie (98)
Weatherford (95)
Webster (118)
Wellington (94)
Weslaco (114)
Westbrook (91)
Wharton (118)
Wichita Falls (94)
Willis Point (95)
Wink (91)
Winters (118)
Wolfe City (95)
Yoakum (118)
Zuehl (142)

[redacted]

Beaver (54)
Bountiful (23)
Brigham (23)
Bryce Canyon (54)
Cedar City (54)
Corinne (23)
Delta (23)
Duchesne (23)•
Dugway (23)
Enterprise (54)
Ephraim (23)
Fairfield (23)
Fillmore (54)
Goulding (55)
Grantsville (23)
Hanksville (55)
Hill (23)
Huntsville (23)
Knolls (23)
Layton (23)
Logan (23)
Low (23)
Lucin (23)
Midvale (23)
Milford (54)
Mt. Pleasant (23)
Myton (23)•
Nephi (23)
Ogden (23)
Price (23)
Promontory Point (23)
Provo (23)
Richfield (54)
Riverton (23)
Roosevelt (26)
St. George (54)
Salt Lake City (23)
Sandy (23)
Spanish Fork (23)
Timple (23)
Toole (23)
Vernal (26)
Wendover (23)

[redacted]

Bennington (43)
Berlin (18)
Bristol (18)
Burlington (18)
Fair Haven (43)
Grande Isle (18)
Huntington (18)
Manchester (43)
Newport (18)
Rutland (43)
St. Johnsbury (18)
Springfield (43)
Swanton (18)
Vergennes (18)
White River Jct. (43)

[redacted]

Alberta (111)
Alexandria (78)
Altavista (110)
Annandale (78)
Bedford (110)
Big Stone Gap (107)
Blacksburg (110)
Blackstone (111)
Cape Charles (111)
Charlottesville (74)
Chester (75)
Chilhowie (107)
Chincoteague (78)
Clarksville (111)•
Clover (110)
Covington (74)
Creeds (111)
Dahlgren (75)
Danville (110)
Dawn (75)
Deep Creek (111)
Drivers (139)
Eclipse (111)
Emporia (111)
Falls Church (78)
Farmville (111)
Fentress (139)
Franklin (139)
Fredericksburg (75)
Front Royal (74)
Galax (110)
Gordonsville (74)
Greys Point (75)•
Hampton (139)
Harcum (75)•
Harrisonburg (74)
Herndon (75)
Hopewell (111)
Hot Springs (74)
Langley (139)
Lawrenceville (111)
Leesburg (75)
Lexington (74)
Lively (75)
Lynchburg (74,110)
Manassas (75)
Martinsville (110)
Melfa (75)
Milford (75)
Monivale (74)
Mt. Vernon (78)
Narrows (74)
Norfolk (139)
Oceana (139)
Ononcock (75)
Orange (74)
Parksley (75)
Petersburg (111)
Pulaski (110)
Pungo (139)
Quantico (78)
Richlands (107)
Richmond (75)
Roanoke (110)
Shenandoah (74)
Staunton (74)
Suffolk (139)
Tappahannock (75)
Virginia Beach (139)
Warrenton (75)
Waverly (139)
Waynesboro (74)
Weirwood (75)
West Point (75)
Williamsburg (111)
Winchester (74)
Windsor (139)

[redacted]

Aberdeen (2)
Almira (3)
Arlington (2)
Auburn (142)
Bellevue (142)
Bellingham (2)
Blaine (2)
Bothell (2)•
Bremerton (142)
Burlington (2)
Camano Island (2)
Camas (142)
Chehalis (3)
Chelan (3)
Chewelah (3)
Clarkston (3)
Cle Elum (2)
College Place (3)
Colville (3)
Connell (3)
Coulee City (3)
Coupeville (2)
Davenport (3)
Deer Park (3)
Dungeness (2)
Easton (2)
East Sound (3)
Ellensburg (2)
Enumclaw (142)
Ephrata (3)
Everett (2)
Forks (2)•
Geiger (3)
Goldendale (3)•
Harrington (3)
Hobart (2)
Huntsville (3)
Ilwaco (3)
Issaquah (142)
Kelso (2)
Kennewick (3)
Kent (142)
King Co-Boeing (142)
Kittitas (2)
La Crosse (3)
Lakeview (2)
Lind (3)
McChord (142)
Mead (3)
Metaline Falls (3)•
Moses Lake (3)
Mt. Vernon (2)
Neah Bay (2)
Newport (3)
North Bend (2)
Okanogan (3)
Olympia (2)
Omak (3)
Opportunity (3)
Orchards (142)
Oroville (3)
Pasco (3)
Pateros (3)
Port Angeles (2)
Port Orchard (2)
Port Townsend (2)
Prosser (3)
Pullman (3)
Puyallup (142)
Quillayute (2)
Randle (2)•
Renton (142)
Republic (3)•
Ritzville (3)
Rosalia (3)
Seattle (142)
Shelton (2)
Snohomish (2)
Spanaway (142)
Spokane (3)
Sprague (3)
Stevenson (2)
Sunnyside (2)
Tacoma (142)
Toledo (2)
Tonasket (3)
Toppenish (2)
Twisp (2)
Vancouver (142)
Walla Walla (3)
Washougal (3,142)
Washtucna (3)
Wenatchee (2)
Westport (2)
Whidbey Island (2)
Wilbur (3)
Winthrop (2)
Woodland (2)
Yakima (3)

[redacted]

Beckley (71)
Buckhannon (74)
Bunker Hill (74)
Burlington (74)
Charleston (71)
Clarksburg (74)
Elk Garden (74)
Elkins (74)
Glendale (74)
Greenbrier (74)
Hinton (74)
Hollidays Cove (74)
Huntington (71)
Logan (71)
Marlinton (74)
Martinsburg (75,74)
Moorefield (74)
Morgantown (74)
New Cumberland (74)
Parkersburg (71)
Paynesville (107)
Pence Springs (74)•
Petersburg (74)
Princeton (71)
Ravenswood (71)
Romney (74)
Ronceverte (74)
Spencer (71)
Sutton (74)
Terra Alta (74)
Weston (74)
Wheeling (74)
White Sulphur Spgs. (74)
Williamson (71)
Winfield (71)

[redacted]

Amery (14)
Antigo (15)
Appleton (15)
Arbor-Vitae (15)•
Ashland (14)
Baraboo (34)
Beaver Dam (34)
Black River Falls (14)
Bloomer (14)
Boulder Junction (15)
Boyceville (14)
Brodhead (34)
Camp Douglas (31)
Camp McCoy (31)
Cedarburg (34)
Cheney (3)
Chetek (14)
Chippewa Falls (14)
Clintonville (15)
Colby (14)
Dallas (14)
Darlington (31)
DePere (15)
Durand (14)
Eagle River (15)•
Eau Claire (14)
Elkhorn (34)
Fifield (14)•
Fond du Lac (34,15)
Genesee (34)
Green Bay (15)
Hales Corner (34)
Hayward (14)
Hudson (14)
Janesville (34)
Jefferson (34)
Kenosha (34)
Kohler (15,34)
La Crosse (31)
Ladysmith (14)
Lake Delton (34)
Land O' Lakes (15)
Lone Rock (31)
Madison (34)
Manitowoc (15)
Manitowish (15)
Marshfield (14)
Medford (14)
Menomonie (14)
Merrill (15)•
Milwaukee (34)
Monroe (34)
Neenah (15)
Neillsville (14)
Oconto Falls (15)
Omro (15)
Oshkosh (15,34)
Phillips (14)
Plymouth (15,34)
Portage (34)
Racine (34)
Rhinelander (15)
Rice Lake (14)
Richland (3)
Richland Center (31)
Shullsburg (31)
Shawano (15)
Sparta (31)
Spooner (14)
Stevens Point (15)
Sturgeon Bay (15)
Sturtevant (34)
Superior (14)
Three Lakes (15)
Tomah (31)
Tomahawk (15)•
Truax (34)
Washington Island (15)•
Watertown (34)
Waukesha (34)
Waupaca (15)
Waupun (34)
Wausau (15)
West Bend (34)
Whitewater (34)
Wisconsin Rapids (15)

[redacted]

Afton (23)
Archer (27)
Basin (7)
Big Piney (23)•
Buffalo (7)
Casper (26)
Cheyenne (27)
Cody (7)
Cokeville (23)
Cowley (7)
Douglas (26)
Dull Center (27)
Egbert (27)
Evanston (23)
Fort Bridger (23)
Gillette (7)
Greybull (7)
Jackson (23)
Kemmerer (23)
Knight (23)
Lander (26)
Laramie (26)
Lusk (27)
Meadows (27)
Medicine Bow (26)
Midwest (26)
New Castle (27)
Parkerton (26)
Pine Bluffs (27)
Pinedale (26)
Point of Rocks (26)
Powell (7)
Rawlins (26)
Riverton (26)
Rock Springs (26)
Saratoga (26)
Sheridan (7)
Silver Crown (26)
Sinclair (26)
Sussex (26)
Thermopolis (26)
Torrington (27)
Ucross (7)
Wamsutter (26)
Wheatland (27)
Worland (26)

(85)-Page number of chart on which these locales are inscribed. •-Facility listed on data pages but not charted. Seaplane Bases are not charted or indexed. N.B. New facility locations listed below black line.

Pulaski,Wisc.(15)

DIGEST OF AIR TRAFFIC CONTROL PROCEDURES

This digest is prepared expecially for the use of pilots operating within control areas, airport approach zones and airport traffic zones. For detailed information, see Civil Aeronautics Administration Manual 60, AAF Regulation 60-16, and pertinent Navy Publications.

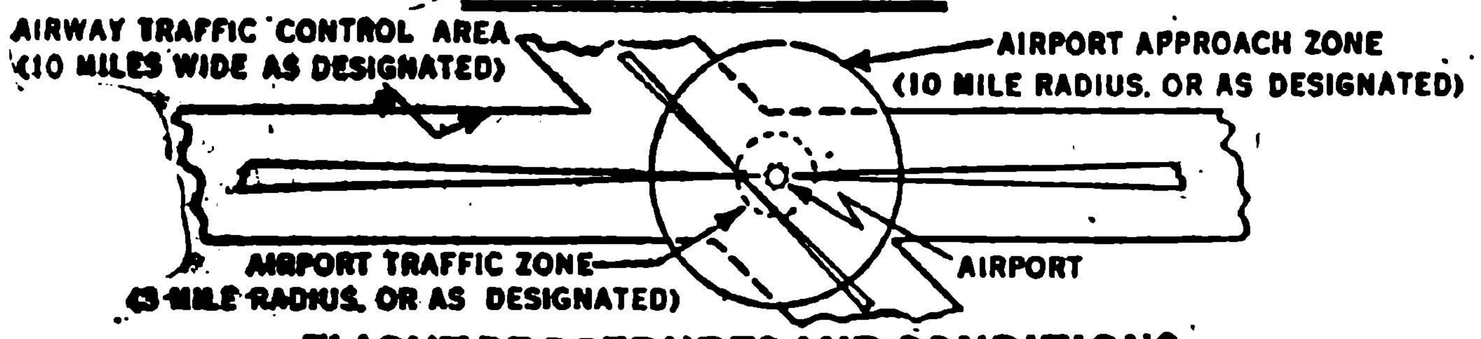
CONTACT FLIGHT RULES WEATHER MINIMUMS

	Inside Airport Traffic Zone (3-mile radius)	Inside Control Area (but outside of Airport Traffic Zones)	Elsewhere
Flights at altitudes of more than 700 feet above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	500 ft. vertically, 2000 ft. horizontally from all clouds-3 miles visibility (or 1 mi. with traffic clearance)	500 feet vertically, 2000 feet horizontally from all clouds 1 mile visibility
Flights at altitudes of 700 feet or less above surface	500 feet vertically, 2000 feet horizontally from all clouds* - 3 miles visibility*	Clear of clouds * * 1 mile visibility	Clear of clouds * * 1 mile visibility

*If traffic conditions permit, a control tower or control center will issue a traffic clearance when the minimums are less than those specified, but under this provision the flight must remain clear of clouds.

**In airport approach zones flights must remain 500 feet vertically and 2000 feet horizontally from all clouds unless a center or tower issues a traffic clearance for flight "clear of clouds"

CONTROLLED AREAS



FLIGHT PROCEDURES AND CONDITIONS

The types of flight plans and conditions under which aircraft may be operated are summarized as follows:

CONTACT FLIGHT RULE (CFR)- Aircraft must be flown in weather conditions equal to or better than those outlined in the weather minima chart without benefit of reductions authorized by a traffic clearance. No flight plan or communication contacts are necessary other than as required by an airport traffic control tower for regulation of local airport traffic.

CONTACT FLIGHT RULE-CONTROLLED- Aircraft may be operated in weather conditions lower than the basic weather minima within control areas, airport approach zones, and airport traffic zones, providing the pilot files flight plan specifying the route to be flown with an airway traffic control center or airport traffic control tower, he receives a traffic clearance and he complies with all conditions stipulated in the clearance. Communication contacts and position reports may be required by Air Traffic Control for this type of flight, as traffic control separation will be afforded aircraft on the same basis as aircraft operating on an IFR flight plan.

INSTRUMENT FLIGHT RULE (IFR)- Pilots proposing to operate aircraft in accordance with instrument flight rules are required to: file a complete flight plan with an airway traffic control center or airport traffic control tower and obtain a traffic clearance from the center or tower prior to flight; maintain continuous listening watch on the appropriate radio frequency, and report by radio the time and altitude of passing each designated reporting point. When an aircraft on an IFR flight plan is operating in weather conditions lower than the basic CFR minima a minimum altitude of 1000 feet above the surface must be maintained.

A traffic clearance specifying that a portion of a flight is to be conducted in accordance with contact flight rules (CFR) will require that the pilot maintain without reduction, the basic contact flight rule minima as specified in CAR 60 and assume the responsibility of avoiding other aircraft during the portion of the flight specified. In the event of two way radio failure, a pilot may (1) proceed according to current flight plan, maintaining the minimum safe altitude or the last acknowledged assigned altitude, whichever is higher, to the range station from which approach will be started to the airport of intended landing, and commence descent at approach time last authorized; or if such time has not been received and acknowledged commence descent at the time of arrival specified in the flight plan. Under such conditions a full standard instrument approach should be executed unless a CFR approach is made; or (2) if weather conditions permit, proceed in accordance with CFR; or (3) land as soon as practicable. Normally, if the aircraft is operating flight rule weather conditions at the time the radio failure is discovered, the pilot should proceed in accordance with contact flight rules to the airport of first intended landing or to the nearest suitable airport. If this is not possible, the pilot will proceed according to current flight plan. In order that uniform flight levels will be maintained by all aircraft, the altimeter should always be set to the altimeter setting of the nearest reporting station as the flight proceeds. The altimeter setting is issued by the Weather Bureau, and when placed on the barometric scale of the altimeter, will result in a reading of the elevation above sea level on the height scale of the instrument.

Traffic Clearances: In order to prevent delay to aircraft operating in contact flight rule weather conditions and yet ensure adequate separation when and if instrument flight rule weather conditions are encountered, traffic clearances to pilots filing instrument flight rule (IFR) flight plans may amend such flight plans by requiring flight in accordance with contact flight rules (CFR) for all or a portion of the flight. A traffic clearance will specify the approved altitude followed by the abbreviation "CFR". Upon receipt of such clearance, the pilot will be responsible for avoiding other aircraft while operating in CFR weather conditions and for securing an amended clearance at the specified altitude before IFR weather conditions are encountered. The pilot must remain in CFR weather conditions until the amended clearance is received. For efficient operation, the use of this procedure can only be determined by Air Traffic Control. Pilots, therefore, should not file "altitude/CFR" in any flight plan. "Altitude/CFR" is to be used only in a traffic clearance issued by Air Traffic Control.

N.B. A flight plan is required on all AAF flights except for local flights within a defined local flying area.

Arrival Reports-It should be noted that whenever a flight plan has been filed whether for CFR or IFR operations, an arrival report is required, unless the pilot has stated in the flight plan that such report will not be filed.

Maintenance of Flight Altitudes-Within control areas, aircraft should be flown at even or odd thousand-foot levels above sea level depending upon the direction of flight as indicated by odd or even minimum altitudes shown on Flight Planning Charts, unless other altitudes are assigned and approved by an airway traffic control center.

Cruising altitudes outside of control areas or approach zones shall correspond to the direction of flight as indicated below:

MAGNETIC HEADING	Indicated Altitude (feet above sea level)
0° - 89° inclusive,	odd thousands: 1,000 ft.; 3,000 ft.; etc.
90° - 179° inclusive,	odd thousands plus 500 ft.: 1,500 ft.; 3,500 ft.; etc.
180° - 269° inclusive,	even thousands: 2,000 ft.; 4,000 ft.; etc.
270° - 359° inclusive,	even thousands plus 500 ft.: 2,500 ft.; 4,500 ft.; etc.

AIRPORT TRAFFIC CONTROL PROCEDURES

Aircraft with Two-Way Radio: If operating under contact flight rules, arriving aircraft should establish communication with the control tower when approximately 15 miles from the airport of destination. The tower will issue such instructions as are necessary. Pilots should remain tuned to the tower until the landing is completed and the aircraft parked. If on an instrument flight plan, arriving aircraft should remain on range frequency as long as required for navigational purposes. The control tower should not be contacted until after a clearance "to the tower" has been received and the aircraft is 15 miles or less from the airport and clear of clouds, unless otherwise instructed. The clearance, "Cleared to Blank Tower", is also approval for approach subject to any restrictions or instructions contained in the clearance. This clearance, without any restrictions, is approval to make approach for a landing using whatever type of approach desired by the pilot.

Aircraft with Receiver Only: Remain tuned to the tower at all times when within the airport traffic zone. Acknowledge signals in the daytime by movement of ailerons or rudder on the ground and by rocking wings in the air, & at night by flashing landing light. Clearance from the tower should be received for taxiing, landing and taking-off; however, sufficient movement of the aircraft to attract the attention of the tower is permitted. If tower does not issue radio instructions, watch for light signals as the tower may not realize that the aircraft is equipped with a receiver.

Aircraft without Radio Equipment: Observe the tower for light signals, and acknowledge as above. The light signals are:

VISUAL SIGNALS FROM PORTABLE TRAFFIC SIGNAL LIGHT

Color and Type of Signal	Taxi-ing	Ready for Take-off	In Flight
STEADY GREEN	XXXXXXXXXXXX	Cleared for Take-off	Cleared to Land
FLASHING GREEN	Continue Taxi-ing	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
STEADY RED	Stop	Clear the Runway Immediately, and Wait	Give Way to Other Aircraft and Continue Circling
FLASHING RED	Return to Hangar Line	Return to Hangar Line	Return and Land
ALTERNATING RED AND GREEN	General Warning Signal - Exercise Extreme Caution		

Traffic and Taxi Patterns have been established at busy airports to illustrate the desired flow of aircraft on the ground and in the air under specified wind conditions. If the traffic pattern is not known, follow other aircraft unless otherwise instructed.

If a pilot does not receive either radio or visual signal from the tower when approaching for a landing, he should make at least one complete circle of the airport conforming to the traffic pattern, and then start approach for a landing. The pilot should be on the alert for a signal from the tower and maintain a watch for other aircraft.

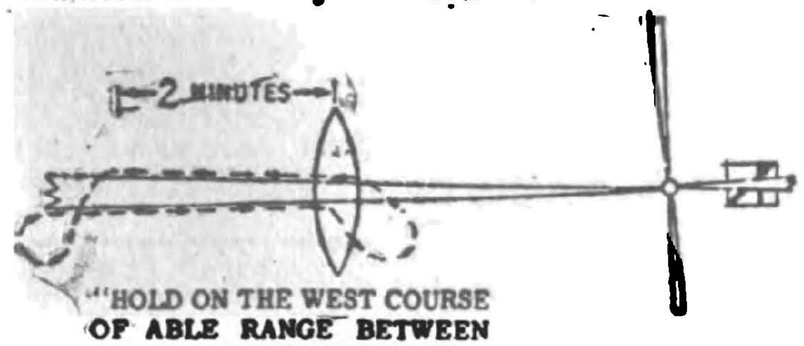
HANDLING OF CFR FLIGHT PLANS, AND ARRIVAL REPORTS

CFR flight plans may be filed with any CAA airways communication station or airway traffic control center. These flight plans are not transmitted to the point of destination but are held in suspense until notice of arrival is received. One hour after the estimated time of arrival, if no notice of arrival is received, queries are sent out over CAA communication systems to determine the location of the aircraft. If the arrival report is not received within three hours, search and rescue operations are initiated. Inasmuch as the Government may be put to considerable expense in determining the location of aircraft when an arrival report is not filed, it is vitally necessary that all pilots using this service make certain that notice of arrival is filed with the CAA communications station at the termination of the flight. Arrival reports are transmitted over CAA circuits to the station holding the flight plan.

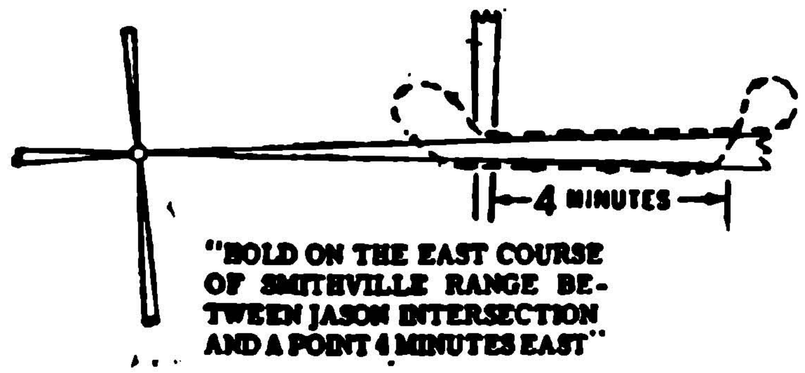
In order to reduce radio congestion, pilots should file CFR flight plans, when required, in person or by telephoning the airways communication station or airway traffic control center. CAA control towers have discontinued accepting CFR flight plans for transmission and will not normally file arrival reports except upon the specific request of the pilot. Whenever practicable, however, it is desired that arrival reports be filed in the same manner as flight plans.

HOLDING PROCEDURES FOLLOWED BY AIRCRAFT AT RADIO FIXES

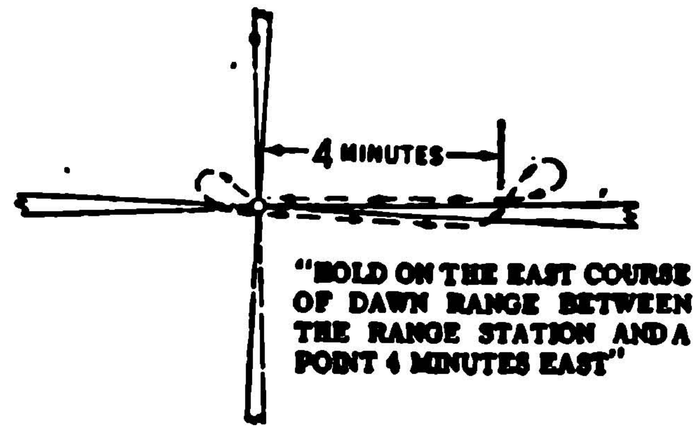
The standard holding flight path of an aircraft operating on an instrument flight rule flight plan and being held at a radio fix is to follow the right edge of the on-course signal of the specified leg of the appropriate radio range. The aircraft shall hold between the designated holding point and a point 4 minutes' flying time therefrom in the direction specified starting procedure turns at the holding point and a point 4 minutes therefrom. Unless prevented by obstructions or unless otherwise advised by an Airway Traffic Control Center or Civil Aeronautics Administration Airport Traffic Control Tower, the initial turn of a procedure turn shall be made to the left when flying away from the range station and to the right when flying toward the range station. The point to be used as the designated holding point will be identified in the traffic clearance which contains instructions for the aircraft to hold. When holding at an approach control marker, the holding flight path will extend from the specified holding point to a point not to exceed 2 minutes' flying time therefrom in the direction specified. When instructions are received giving the time of departure from the holding point, the pilot may adjust his flight path so as to be able to depart from the marker at the exact time specified.



"HOLD ON THE WEST COURSE OF ABLE RANGE BETWEEN BAKER FAN MARKER AND A POINT 2 MINUTES WEST"



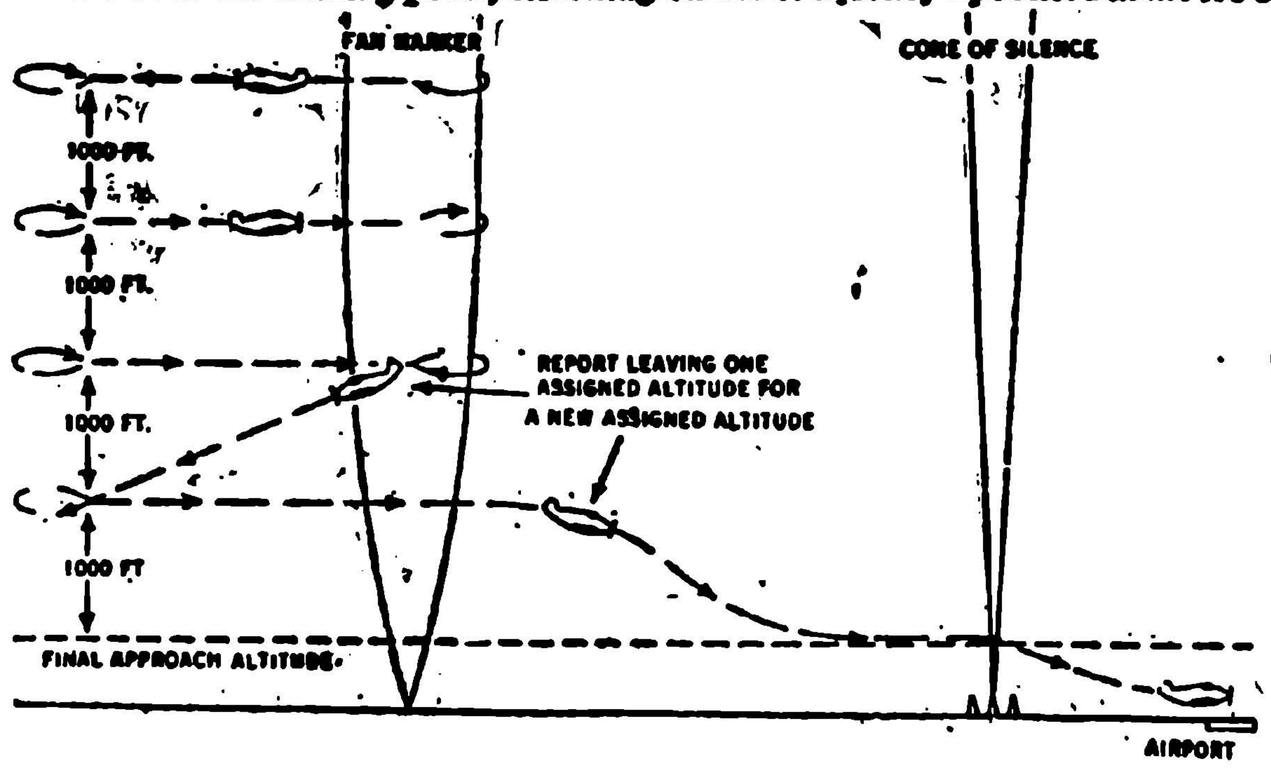
"HOLD ON THE EAST COURSE OF SMITHVILLE RANGE BETWEEN JASON INTERSECTION AND A POINT 4 MINUTES EAST"

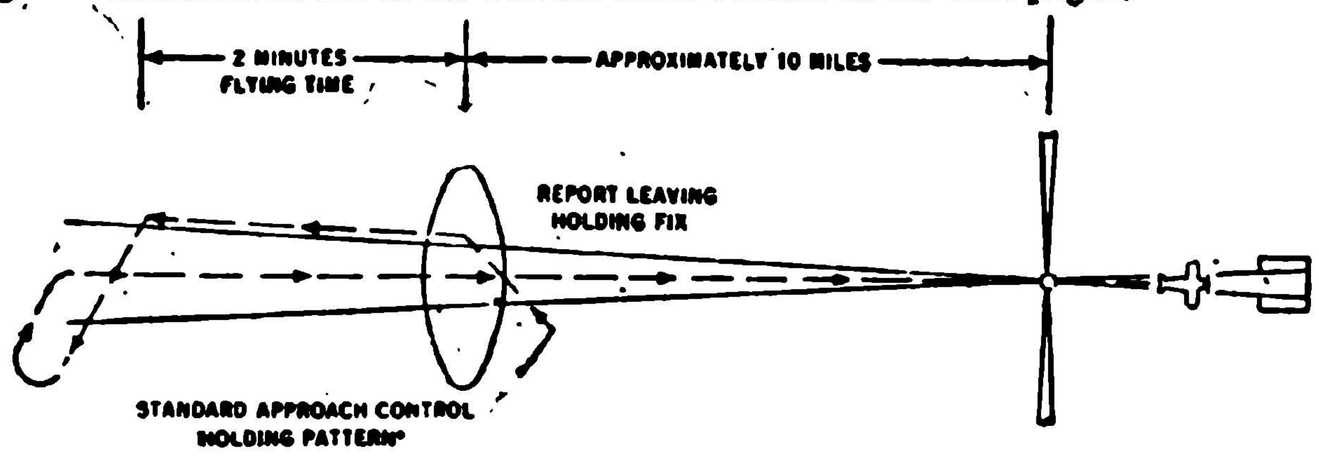


"HOLD ON THE EAST COURSE OF DAWN RANGE BETWEEN THE RANGE STATION AND A POINT 4 MINUTES EAST"

APPROACH CONTROL PROCEDURES

Approach control is a service whereby Civil Aeronautics Administration airport traffic control towers issue control instructions in instrument weather conditions, by communicating directly with pilots over the voice feature of a radio range, or over a very-high frequency channel of the control tower. Ordinarily, aircraft will be cleared by the airway traffic control center to the holding fix, (fan marker or other radio fix) with appropriate holding instructions. Instructions to hold "UNTIL FURTHER ADVISED BY (Name of) APPROACH CONTROL ON (Blank) KILOCYCLES" are included by the arwy traffic control center so that the pilot will know on which frequency he will receive further instructions from the tower. When he arrives over the holding point, the pilot initiates a call to "(Name of) APPROACH CONTROL" and advises time and altitude over the holding point, listening on the frequency specified in the ATC clearance for further instructions. Radio contacts required thereafter: (a) when vacating any previously assigned flight level for a newly assigned level; (b) when leaving holding point. Each pilot in an approach sequence will be given advance notice as to the time he should leave the holding marker on approach to the airport. When the time of leaving the holding point has been received, the pilot should shorten the standard holding path remaining in the immediate vicinity of the marker so as to leave the marker as closely as possible to the designated time. Pilots should maintain communication by listening to approach control frequency until cleared to the tower's local control frequency (278 kc. or equivalent). Departing aircraft will receive initial instructions on the tower's local control frequency. Approach Control is established at locations indicated as AC in the station class column on the data pages.





*NOTE: STANDARD 2 MINUTE HOLDING PATTERN FOLLOWED BY ALL AIRCRAFT HOLDING UNTIL INSTRUCTIONS ARE RECEIVED GIVING TIME OF DEPARTURE FROM HOLDING POINT. THEN PILOT SHORTENS HOLDING PATH REMAINING IN IMMEDIATE VICINITY OF HOLDING POINT SO AS TO LEAVE MARKER EXACTLY AT SPECIFIED TIME.

AIR NAVIGATION RADIO AIDS

LEGEND

(8) Station guards 3105, 4495, 6210 kcs.
(4) Station guards 3105, 4495, 6210, 3117.5 kcs.

(7-24) - Hours of operation (7 a.m. to midnight) on a 24-hour clock basis
→ - New or revised data *

RADIO CLASS DESIGNATIONS

AC.....Approach Control Tower, CAA
B.....Scheduled Broadcast Station (broadcasts weather reports at 15 and 45 minutes after the hour unless otherwise cited)
C.....Control Tower, CAA
CA.....Control Tower, Army
CL.....Control Tower, (City, County, Private, etc.)
CN.....Control Tower, Navy
D.....Distantly controlled
FM.....VHF fan type marker (100 watts)
FMK.....Compass locator station when combined with fan marker
GCA.....Ground control approach system
H.....Non-directional radio-beacon (homing), power 50 watts or more
ILS.....Instrument Landing System
IM.....VHF boundary marker
K.....Independent compass locator station
LFM.....VHF fan type marker, low powered (5 watts not over 10 miles from range)
MH.....Non-directional radio-beacon(homing), power less than 50 watts
ML.....Range (loop radiators), power less than 50 watts
MMK.....Compass locator station when combined with middle marker of Instrument Landing System
MRA.....Range (adcock, vertical radiators), power more than 50, less than 150 watts
MRL.....Range (loop radiators), power more than 50, less than 150 watts
OM.....VHF outer marker
OMK.....Compass locator when installed at outer marker site or within 5.5 miles of middle marker.
P.....Point to point radio
RA.....Range (adcock, vertical radiators) power 150 watts or more
RL.....Range (loop radiators), power 150 watts or more
S.....Simultaneous transmission of range signals and voice
T.....Teletype
TX.....Principal teletype
V.....Voice communication with aircraft
VAR.....Visual-aural VHF range
W.....Without voice facilities
Z.....VHF station location marker at a range station.

N.B. Variation is computed at the station. The distance from station to field is computed from the center of the range station to the nearest edge of the usable area of the airport. The bearing is that from the range station to airport or fan marker.

RADIOTELEGRAPH CODE

A-ABLE .-	B-BAKER -...	C-CHARLIE -.-.	D-DOG -..	E-EASY .	F-FOX ..-.	G-GEORGE --.	H-HOW	I-ITEM ..
J-JIG .---	K-KING -.-	L-LOVE .-..	M-MIKE --	N-NAN -.	O-OBOE ---	P-PETER .--.	Q-QUEEN --.-	R-ROGER .-.
S-SUGAR ...	T-TARE -	U-UNCLE ..-	V-VICTOR ...-	W-WILLIAM .--	X-XRAY -..-	Y-YOKE -.--	Z-ZEBRA --..	

1 .---- 2 ..--- 3 ...-- 4 ....- 5 ..... 6 -.... 7 --... 8 ---.. 9 ----. 0 -----

AIRWAY RADIO COMMUNICATIONS

GENERAL

All radio range stations (class RA, RL, MRA, MRL, ML) emit directional signals (type A2 emission) 1020 cycles per second modulation.

All radiobeacon stations (class H and MH) emit non-directional signals (type A2 emission 1020 cycles per second modulation. Unless otherwise noted, all stations, other than class MH, operate continuously within their assigned hours of service except during interruptions for voice transmission on the same frequencies where simultaneous transmission is not available and during shutdowns for maintenance purposes. Class MH stations operate on request unless otherwise cited. The effective range of an MH facility is ordinarily 25 miles.

Compass locators are low-powered nondirectional facilities operating in the 200-415 kc. band. They are installed near airports to make it easier for pilots to make instrument approaches. When holding is required, they also help the pilot follow a more precise holding pattern. Compass locators, however, should not be depended upon as long range navigational aids since they are rarely useful at distances of over 15 or 20 miles.

Voice communications facilities are available unless "W" (without voice) is included in the classification. Examples: SMRAW, MRLW, HW, HWT. Transmission of voice on a frequency other than the range frequency is indicated as MRLW-V. When no "W" is included in station class, the "V" indicates voice feature on two frequencies, namely, range frequency and, generally, V.H.F. of 116.1 mcs.

The classification designation "B" denotes that the station broadcasts airway and meteorological information on a scheduled basis at 15 and 45 minutes past each hour unless otherwise cited.

All Civil Aeronautics Administration stations equipped for voice communications with aircraft stand continuous listening watches on the frequencies of 3105, 4495, and 6210 kcs., unless otherwise cited.

AUTOMATIC RANGE MONITORING SYSTEM

The automatic range monitoring system will automatically notify all pilots using a range on which it is installed, whenever an abnormal condition exists on the final approach course, the only course monitored at the present time.

The notification, or warning signal, will consist of the slow transmission of one group of three "U"s (. . - . . . - . . -), between two station identification transmissions. This warning signal will be transmitted: (a) whenever a course displacement of 3° or more exists; (b) whenever a sudden and large loss of signal strength occurs; (c) or whenever an apparent on-course signal (loss of N-A keying, producing a monotone which sounds like an on-course signal) exists throughout all quadrants.

Loss of signal strength is obvious, and loss of N-A keying is easily ascertainable by the pilot whenever the three "U"s identify an abnormal condition. The flier should suspect course displacement upon hearing the warning signal, if there has been no drop in range signal strength and the interlocked N and A on-course signal is well defined. On the other hand, the loss of N-A keying is indicated by warning transmission once only, when normal identifications are also missing.

In the case of range course displacement, the greater the course displacement, the earlier in the period between station identification transmission will the "UUU" signal be heard. An occasional warning signal transmission not repeated in every cycle, followed by the normal identification, may be disregarded since it may be occasioned simply by momentary power fluctuations.

* UNDER THE HEAVY BLACK LINE FOUND IN THE THE RADIO SECTION OF THE DATA PAGES ARE LISTED, OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW RADIO FACILITIES TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

INSTRUMENT LANDING SYSTEMS

An Instrument Landing System comprises a localizer (possibly a glide path), and a boundary, middle and outer marker. Infrequently, the middle or boundary marker is not commissioned at present and future installations will have no boundary markers. The entire system of transmitters (localizer, glide path, and markers) operate on V.H.F. All markers operate on 75 mcs.

Compass locator stations, on the other hand, operate on the low frequency 200-415 kilocycle band. Compass locator data will be found under marker data on the second line of those stations having such facilities. These are, with rare exceptions, located at the same sites as the V.H.F. markers, and have single letter identifications.

The localizer course of the Instrument Landing System divides the blue sector (150 cycles), which is to the right of the course in respect to the landing aircraft on final approach, from the yellow sector (90 cycles), which is left.

(L5) or (L6) in the Location Column under Instrument Landing Systems indicates hi-intensity runway contact lights (L5) or hi-intensity instrument approach lights (L6).

VHF RADIO RANGES

Simultaneous Visual-Aural VHF Radio Ranges have two visual and two aural courses with simultaneous voice transmission on the range frequency. A range of this type operates in the band 112 to 118 mcs. (Certain stations have been temporarily assigned the following frequencies: 108.3 mc, 108.7 mc, 109.1 mc.). Modulation frequencies of 90 cps and 150 cps are used to produce the visual courses. The sector in which the 90 cps modulation predominates is to be known as the "Yellow Sector", and that in which the 150 cps modulation predominates is to be known as the "Blue Sector". The aural courses are produced through the use of "N" & "A" signals with modulation frequency of 1020 cps.

V.H.F. RADIO RANGE ORIENTATION: The assignment of the blue and yellow sectors and the "A" and "N" sectors of C.A.A. VHF radio ranges is accomplished in accordance with the following rules:

(a) On Green and Red Airways, the blue sector lies north of the visual course, the yellow south; the "N" sector lies to the east of the aural course; the "A" west.

(b) On Amber and Blue Airways, the blue sector lies west of the visual course, the yellow east; the "N" sector lies to the north of the aural course, the "A" south.

(c) The visual courses are projected along the airway, the aural courses across the airway.

U. S. WEATHER BROADCASTS AND TRANSMISSIONS

All continuously operated C.A.A. Radio Range and Radio Beacon Stations having voice facilities on the Range or Radio Beacon Frequencies broadcast weather reports at 15 and 45 minutes past each hour.

At each station the material broadcast consists of the local weather report and the latest available surface weather reports from surrounding locations. Reports more than one hour old are not broadcast. In addition, the local winds aloft report is broadcast four times daily at 6:15 and 12:15 A.M. and P.M. At selected stations the Weather Bureau provides a local terminal forecast covering the next two hours, and this forecast is broadcast, when available, immediately following the local weather report.

FILING OF "OVER" REPORTS

Pilots should make every effort to file "over" reports when passing over those points designated as "Radio Fixes" on the Radio Facilities Charts. Refer to Chart Legend.

Pilots of aircraft operating on contact flight rule flight plans who desire to make flight progress reports shall include in the report the phrase "CFR" flight plan from _____ to _____

Pilots of aircraft operating on instrument flight rule flight plans and who are required, therefore, to make flight progress reports, shall include in the report the phrase "Instrument flight plan". NOTE: The word "instrument", rather than the abbreviation "IFR" is used to avoid confusion between the abbreviations "CFR" and "IFR" under difficult radio reception conditions.

RADIOTELEGRAPH CALLING PROCEDURE

Radiotelegraph (A2 emission), in addition to radiotelephone (A3 emission), may be used to call Civil Aeronautics Administration airway communications stations. Radiotelegraph (A1 emission) may be used, but its use will require a prearranged schedule since receivers at the stations are set for A2 or A3 emission only. The Civil Aeronautics Administration airway communications station will reply on the radio range voice channel except as otherwise provided. When calling Civil Aeronautics Administration airway communication stations, it is desired that the radio call letters of the station be used. However, the stations will be on the alert for calls consisting of the radio range identification (listed under "Station Identification"), which may be used after two calls by voice have not been answered by the Civil Aeronautics Administration airway communications station or when unusual circumstances prevail or during emergencies. For example: A pilot using the Richmond, Virginia radio range who is unable to contact that station by voice, will radiotelegraph the following, using A2 emission: "RW RW RW K". Upon receipt of such a signal, the aircraft communicator at the Richmond radio range station will acknowledge on the voice channel of the radio range as follows: "UNIDENTIFIED AIRCRAFT CALLING RICHMOND RADIO OVER". The pilot then would resume use of voice for completion of the contact unless conditions require continuance of radiotelegraph. It is important that pilots use this procedure only after two unsuccessful attempts by voice to contact Civil Aeronautics Administration airway communications stations.

RADIOTELEPHONE (CALLING PROCEDURE)

When calling Civil Aeronautics Administration stations (except towers) or Army and Navy radio ranges, utilize the call "RADIO". When calling all airport control towers, be they Army, Navy, C.A.A., or municipal, utilize the call "TOWER". When calling Army Airways, utilize the call "ARMY AIRWAYS". Examples:

(a) "Jacksonville Radio This Is Stinson 1234".....When calling a radio range
(b) "Jacksonville Tower This Is Waco 4567".....When calling a control tower
(c) "Jacksonville Army Airways This Is Army 725".....When calling an Army Airways Communications Station
(d) "Langley Army Radio This Is Army 472".....When calling an Army radio range

COMBINED UNITED STATES-BRITISH RADIOTELEPHONE (R/T PROCEDURE)

This new procedure has previously been adopted by the War and Navy Departments for use by military aircraft and became effective June 1, 1943, for use by Civil Aeronautics Administration airway communications stations and airport traffic control towers and civilian aircraft. Military pilots may secure complete information from Army publication FM 24-9. The major changes in procedure are summarized below for the benefit of civilian pilots not having access to FM 24-9.

1. Use of the words "THIS IS" instead of the word "FROM".
2. Use of the word "OVER", instead of the words "GO AHEAD", to indicate, "MY TRANSMISSION IS ENDED AND I EXPECT A RESPONSE FROM YOU".
3. Use of the word "OUT" when conversation is ended and no response is expected.
4. Use of the phrase "SAY AGAIN", instead of the word "REPEAT" when requesting a repetition.
5. Use of the phrase "I SAY AGAIN", instead of the phrase "I WILL REPEAT", when a repetition is being given.

EXAMPLES:

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO OR CLEVELAND TOWER MESSAGE FOR YOU (Optional) OVER.

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE FOUR THREE SEND YOUR MESSAGE (Optional) OVER.

WACO ONE EIGHT ONE FOUR THREE. THIS IS CLEVELAND RADIO or CLEVELAND TOWER (Message) OVER.

CLEVELAND RADIO or CLEVELAND TOWER, THIS IS WACO ONE EIGHT ONE FOUR THREE ROGER OUT.

Pertinent parts of all current publications, including Manual 60, are superseded insofar as communications procedures are concerned by the new procedure indicated above effective October 1943.

AIRPORT DATA
LEGEND

NAME

(When city and airport names are identical, the airport name is omitted in the interest of space-conservation)

(A) . Airport owned or leased in whole or in part by Army
(CG) Airport owned or leased in whole or in part by Coast Guard
(N) Airport owned or leased in whole or in part by Navy
★ CAA Intermediate Field
(P) Non-military airport available for use by military aircraft (See Note 3)

N.B. If the airport name is followed by (A) for Army, (N) for Navy, or (CG) for Coast Guard, the field is exclusively an Army, Navy, or Coast Guard field. If the field is not exclusively Army, Navy, or Coast Guard and may be used by civilians, no (A), (N), or (CG) follows the airport name.

SIZE — CLASS

40: Length of longest landing strip (unpaved) in hundreds of feet
40h: Length of longest hard-surfaced runway in hundreds of feet (Seaplane landing areas over 5 miles in length are classified as unlimited and indicated as "unl.").

N.B Only the length of the longest runway is cited, and its direction is not indicated. Space restrictions occasioned this policy, but logic justified it. The logical assumption may be made that runways have been laid out in accordance with the local wind rose. Therefore, in all calms, or gentle-angling winds, or winds aligned with the longest runway, the longest runway will be used. When a wind not aligned with the longest runway is of such intensity that the longest runway cannot be used, this wind makes the use of runway aligned with the wind, even though much shorter than the longest runway, sufficiently long from a safety viewpoint. Too, prior knowledge that there is, for example, a NW SE runway is of little value to a pilot if, when he arrives over the field the wind is blowing too strongly from another direction to use that runway. Finally, the larger the number indicating the longest runway length, the greater is the assurance of a sufficient number of runways for all-wind coverage.

RADIO

R1. Voice availability via tower, range (or homing device), or voice station.
R2: Range (or homing device), and tower
R3: Range (or homing-device), tower, and instrument landing system.

LIGHTS

L. Incomplete lighting, either flood or portable runy lights.
L1: Beacon only.
L2: Beacon and boundary.
L3: Beacon, boundary, and obstruction.
L4: Beacon, boundary, obstruction, and flood.
L5: Beacon, boundary, obstruction, flood, and runway contact
L6: Beacon, boundary, obstruction, flood, runway contact, and instrument approach.

(L5): High intensity runway contact lights
(L6): High intensity instrument approach lights

(Each always indicates the highest element available but not necessarily include all intermediate elements)

SERVICING

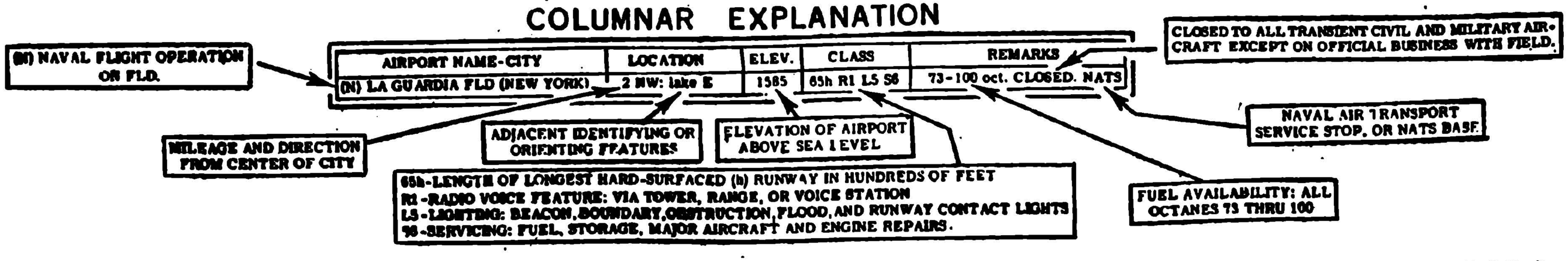
S1: Fuel.
S2: Fuel, storage.
S3: Fuel, storage, minor aircraft repairs.
S4: Fuel, storage, minor aircraft, and minor engine repairs.
S5: Fuel, storage, major aircraft, and minor engine repairs.
S6: Fuel, storage, major aircraft, and major engine repairs.

N B Very often small civilian fields (particularly in non-metropolitan areas) will have no full-time attendant. Frequently servicing at such fields is isolated communities is available only by circling the town to attract the operator's attention.
These fields are often recognizable by airport class, comparable to, for example, "1S S1". "1S S1" suggests that the field is not too large, and that the field may not have a full-time attendant even though fuel is stored there.
Lack of radio or lighting facilities, indicated by the absence of an "R" or "L" in the airport class, is a further indication that a full-time attendant may not be available. Absence of an "S" (servicing) indicates definitely that fuel, if available at all, is available only by truck from town. Any field carrying no indication of radio (R), lights (L), or servicing (S) in airport class column should be used with caution, especially a field of the small category. Fields of this nature may be inactive or not maintained, and thus dangerous for use.

NOTES

1. "(NC)" not charted. Indicates not charted because of insufficient data or inability to verify
2. ➔ New or revised data.*
3. "(P)" in CITY-AIRPORT NAME column indicates: (1) those municipal airports improved with public funds and covered by an agreement between the municipality and the United States Government permitting government planes to use such fields in common with others and without charge, to the extent possible without restriction of non-military operations or (2) other civil airports for which legal permits covering their limited use by military aircraft have been procured and filed with the real estate agency of the War Department.
4. "Effingham Int., 10, LS-ID" in CITY-AIRPORT NAME column indicates that the airport is Effingham CAA Intermediate Field, Site 10, on the St. Louis-Indianapolis Airway. Municipal airports where the lights are maintained by the CAA are listed similarly except that there is no designated star or "Int.".
5. In Location column, the word "miles" has been eliminated because of space limitations. Mileage is that from the center of city to airport.
6. In Remarks column:
   (a) "91 oct." indicates octane rating of fuel available.
   (b) "CLOSED" indicates closed to all civil aircraft and all transient military aircraft except on official business this station or in emergency.
   (c) "Port. B-2 lights" indicates cone-mounted lights outlining runways. These lights are portable and may be shifted from runway to runway.
   (d) "TEMP INACTIVE. NO FACS. (See Special Notice)" indicates AAF airfields used either exclusively by the AAF or municipal airfields used jointly by the AAF and civil interests at which both the Army and the civil interests are inactive. Such airfields are available to military aircraft on official business only under written orders of an airforce, command, or higher authority. (See Special Notice.)
   (e) "ARMY TEMP INACTIVE. CIVIL FACS." indicates municipal airfields used jointly by the AAF and civil interests at which the Army facilities are inactive but civil facilities are available. Such fields may be used by military aircraft; however, only commercial service is available.
   (f) "PRIVATE" indicates field is available for owner only, and not to be used by others except in emergency.
   (g) OBSTRUCTIONS: Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, like trees, clearly discernible for contact operations, are frequently omitted, for example. On the other hand, all pole lines are cited.
   (h) "Fld lgts on prior req." indicates field lights are available only by previous phone call, telegram, or letter. It must be remembered that most fields do not have 24-hour operation. Accordingly, the field lights, indicated for such a lighted field (and, in some instances, even the rotating beacons) are available only by prior request. When an airport classification indicates a lighted field, and there is no notation in the REMARKS column, the field lights burn all night or will be turned on when a radio request is made or a plane circles the field.
   (i) "FEE" indicates landing fee for private aircraft.
7. Airline stop airport names are capitalized.

COLUMNAR EXPLANATION



AIRPORT NAME ABBREVIATIONS

(A) - Army Field
AAB - Army Air Base
AAF - Army Air Field
CGAS - Coast Guard Air Station
LTA - Lighter than Air
MCAS - Marine Corps Air Station
MCAAF - Marine Corps Aux. Air Facility
MCGB - Marine Corps Glider Base
(N) - Navy Field
NAAF - Naval Aux. Air Facility
NAAS - Naval Aux. Air Station
NAF - Naval Air Facility
NAS - Naval Air Station
NPG - Naval Proving Grounds
OLF - Outlying Field (Navy)

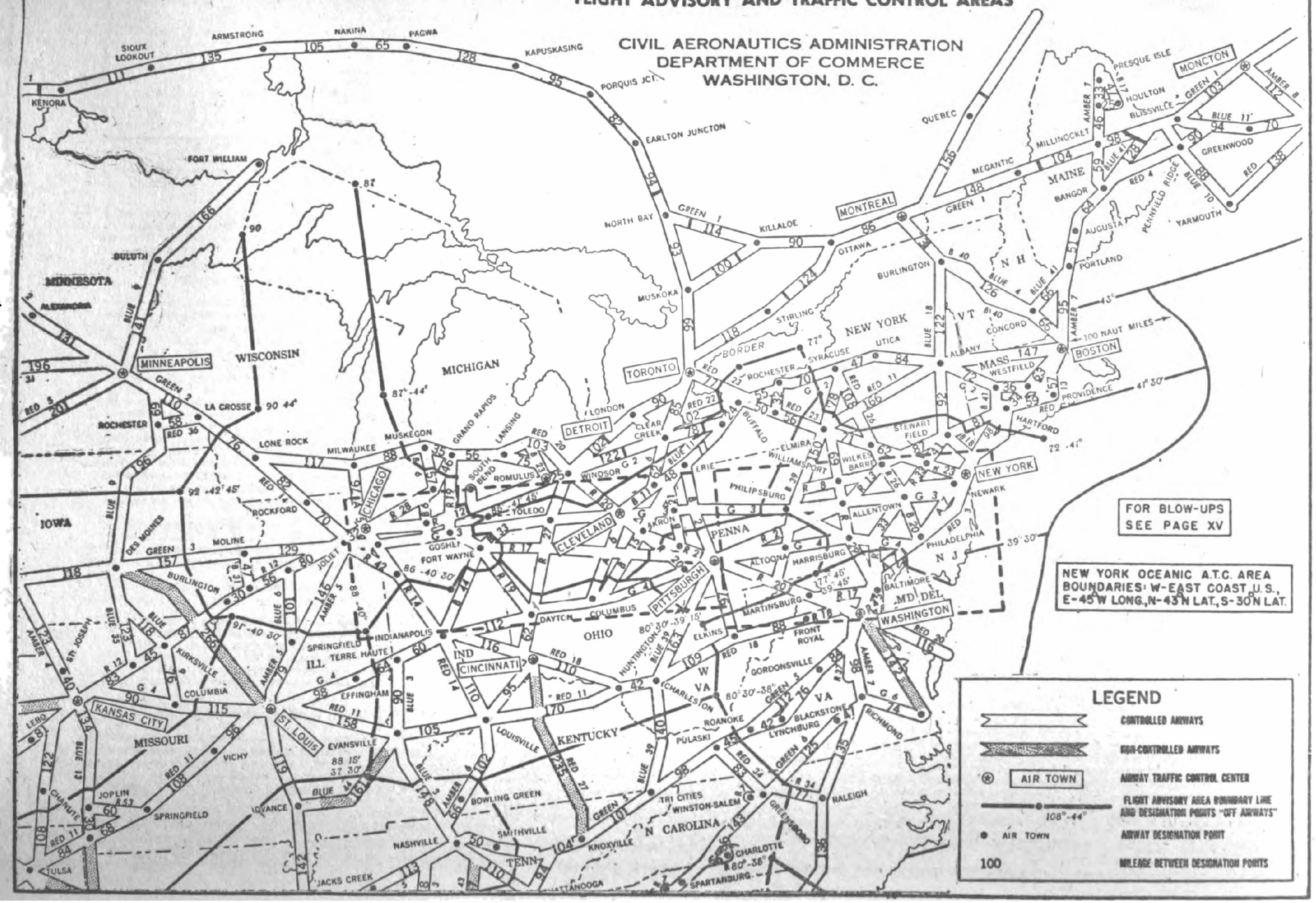
* UNDER THE HEAVY BLACK LINE FOUND IN THE AIRPORT SECTION OF THE DATA PAGES ARE LISTED OUT OF ALPHABETICAL ALIGNMENT, ALL THE NEW AIRPORTS TABULATED AFTER THE TYPE FOR THAT PAGE HAD BEEN ORIGINALLY SET UP.

NORTH EAST QUADRANT

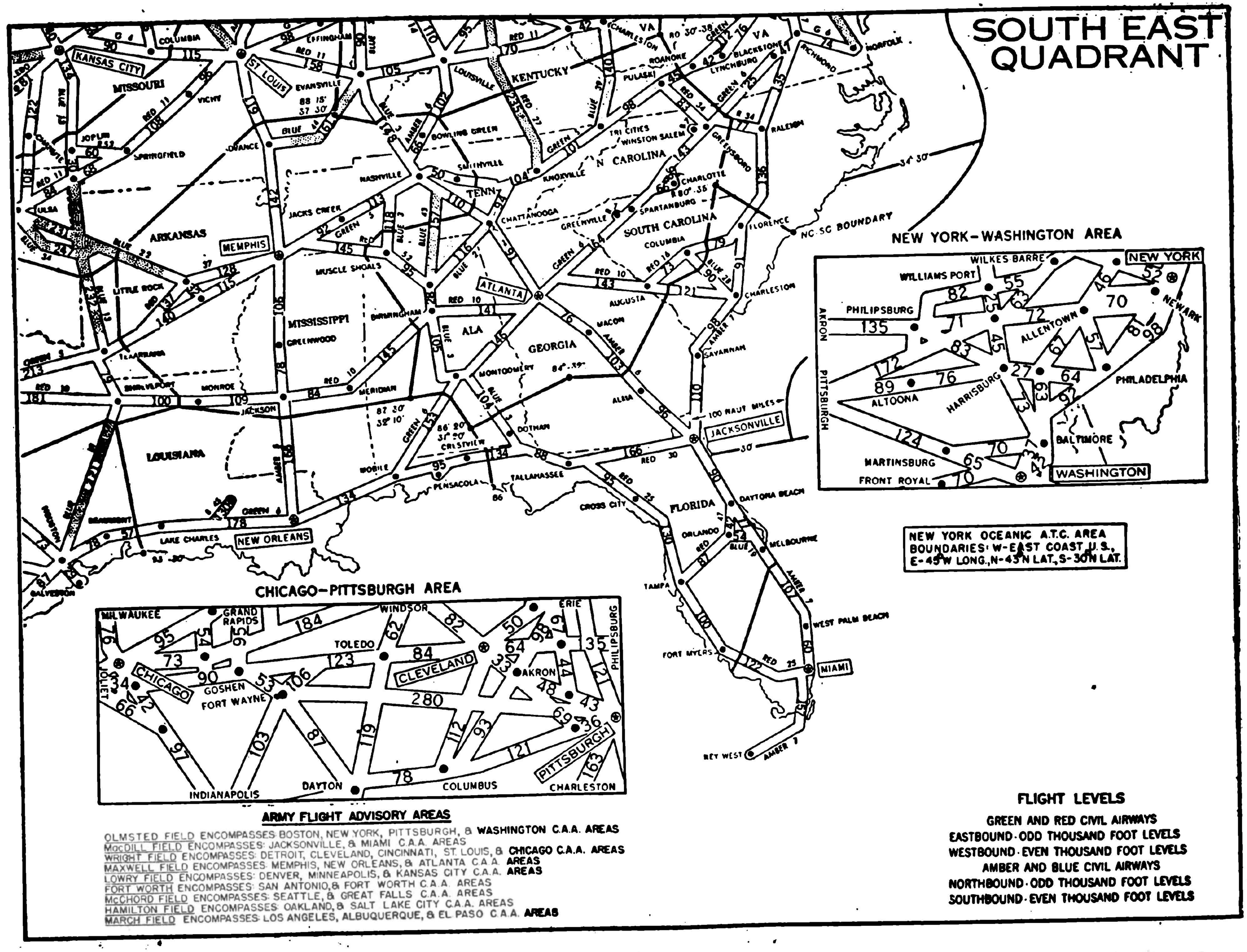
CIVIL AIRWAYS AND MILEAGE CHART

INCLUDING UNITED STATES AND CANADIAN FLIGHT ADVISORY AND TRAFFIC CONTROL AREAS

CIVIL AERONAUTICS ADMINISTRATION
DEPARTMENT OF COMMERCE
WASHINGTON, D. C.



SOUTH EAST QUADRANT



NEW YORK–WASHINGTON AREA

NEW YORK OCEANIC A.T.C. AREA
BOUNDARIES: W-EAST COAST U.S.,
E-45°W LONG., N-45°N LAT., S-30°N LAT.

CHICAGO–PITTSBURGH AREA

ARMY FLIGHT ADVISORY AREAS

OLMSTED FIELD ENCOMPASSES BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C.A.A. AREAS
MacDILL FIELD ENCOMPASSES: JACKSONVILLE, & MIAMI C.A.A. AREAS
WRIGHT FIELD ENCOMPASSES: DETROIT, CLEVELAND, CINCINNATI, ST. LOUIS, & CHICAGO C.A.A. AREAS
MAXWELL FIELD ENCOMPASSES: MEMPHIS, NEW ORLEANS, & ATLANTA C.A.A. AREAS
LOWRY FIELD ENCOMPASSES: DENVER, MINNEAPOLIS, & KANSAS CITY C.A.A. AREAS
FORT WORTH ENCOMPASSES: SAN ANTONIO, & FORT WORTH C.A.A. AREAS
McCHORD FIELD ENCOMPASSES: SEATTLE, & GREAT FALLS C.A.A. AREAS
HAMILTON FIELD ENCOMPASSES: OAKLAND, & SALT LAKE CITY C.A.A. AREAS
MARCH FIELD ENCOMPASSES: LOS ANGELES, ALBUQUERQUE, & EL PASO C.A.A. AREAS

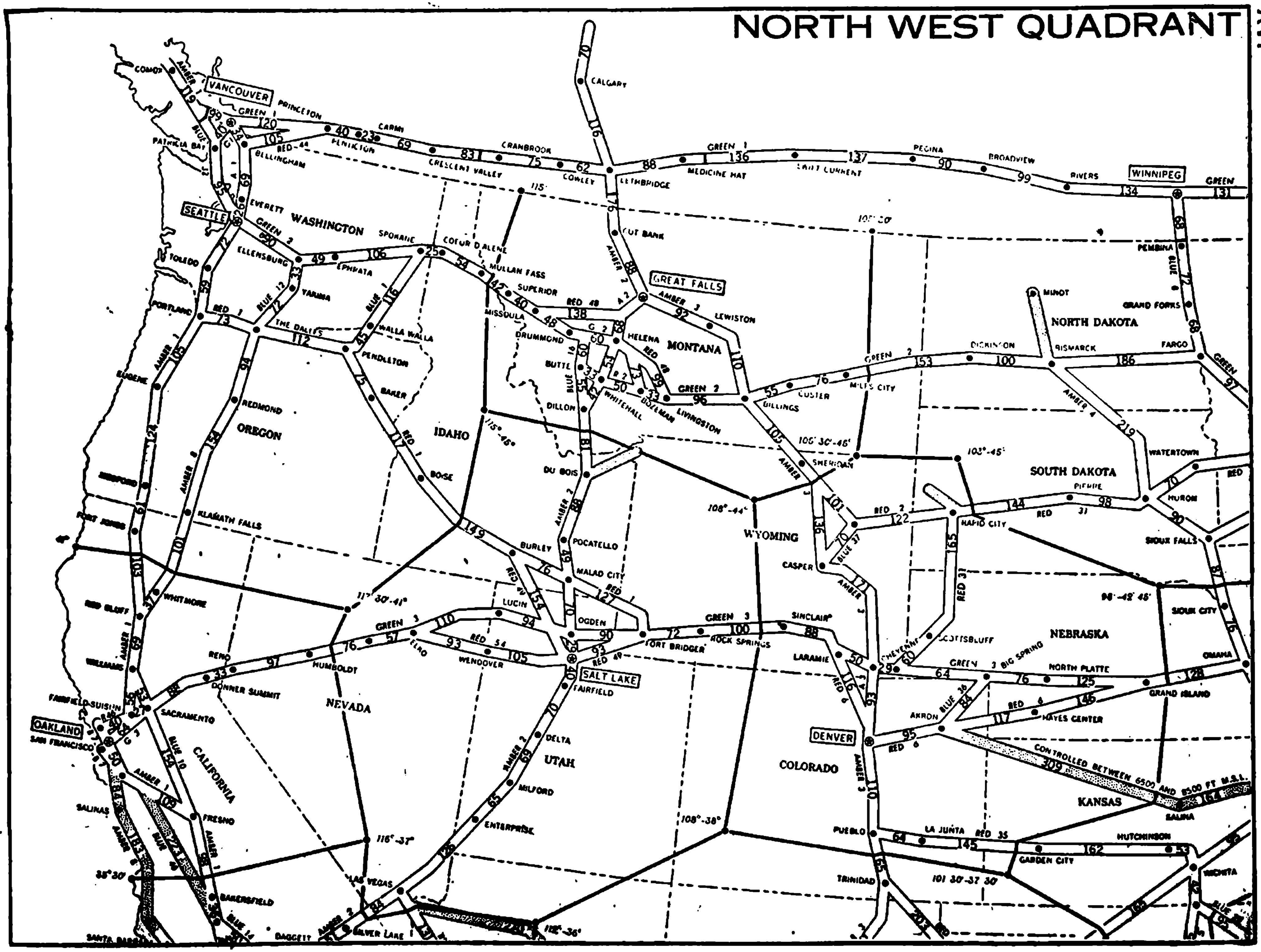
FLIGHT LEVELS

GREEN AND RED CIVIL AIRWAYS
EASTBOUND - ODD THOUSAND FOOT LEVELS
WESTBOUND - EVEN THOUSAND FOOT LEVELS
AMBER AND BLUE CIVIL AIRWAYS
NORTHBOUND - ODD THOUSAND FOOT LEVELS
SOUTHBOUND - EVEN THOUSAND FOOT LEVELS

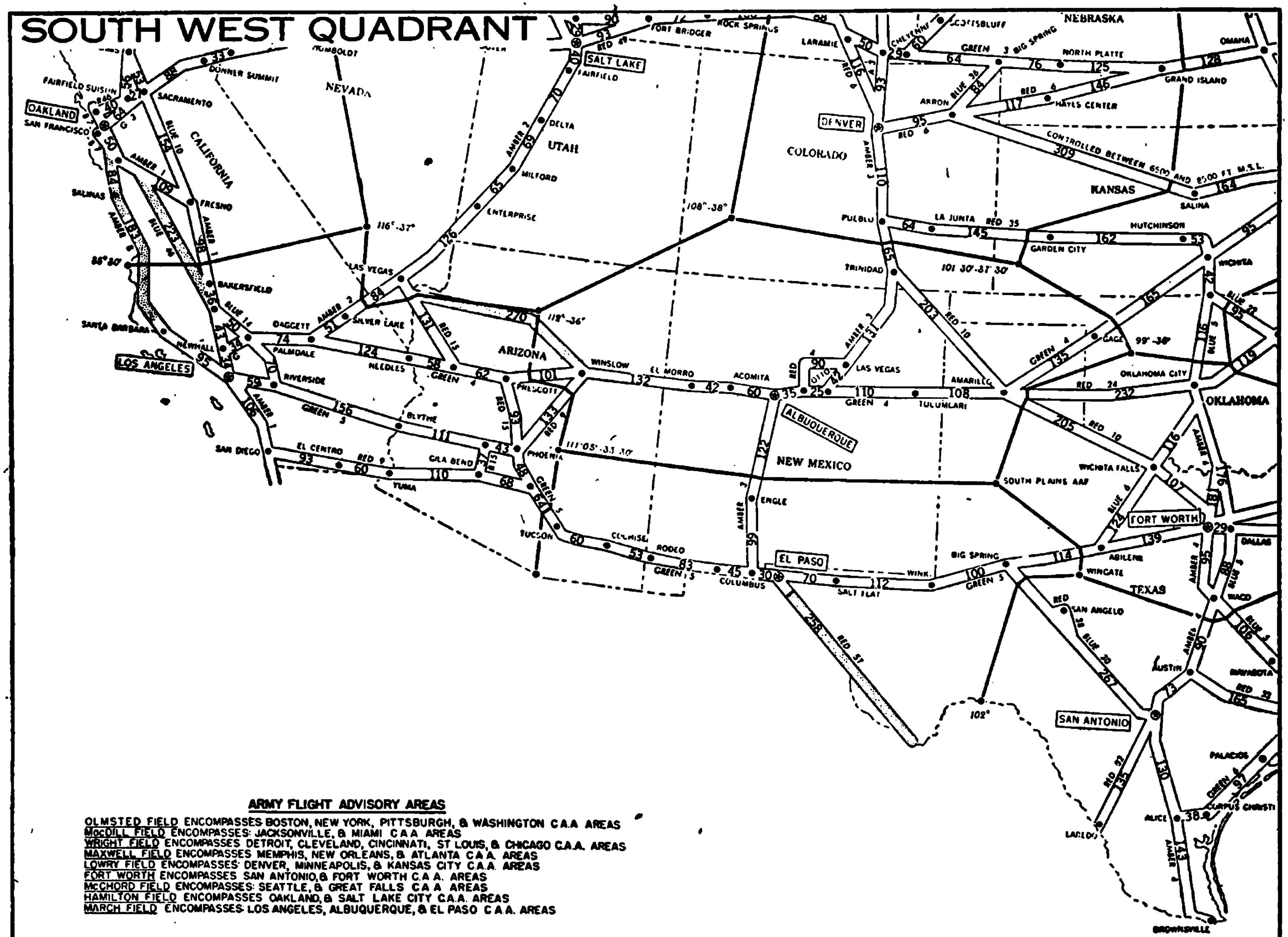
XV

NORTH WEST QUADRANT

XVI



SOUTH WEST QUADRANT



ARMY FLIGHT ADVISORY AREAS

OLMSTED FIELD ENCOMPASSES BOSTON, NEW YORK, PITTSBURGH, & WASHINGTON C.A.A AREAS
MacDILL FIELD ENCOMPASSES: JACKSONVILLE, & MIAMI C.A.A. AREAS
WRIGHT FIELD ENCOMPASSES DETROIT, CLEVELAND, CINCINNATI, ST LOUIS, & CHICAGO C.A.A. AREAS
MAXWELL FIELD ENCOMPASSES MEMPHIS, NEW ORLEANS, & ATLANTA C.A.A. AREAS
LOWRY FIELD ENCOMPASSES: DENVER, MINNEAPOLIS, & KANSAS CITY C.A.A. AREAS
FORT WORTH ENCOMPASSES SAN ANTONIO, & FORT WORTH C.A.A. AREAS
McCHORD FIELD ENCOMPASSES: SEATTLE, & GREAT FALLS C.A.A. AREAS
HAMILTON FIELD ENCOMPASSES OAKLAND, & SALT LAKE CITY C.A.A. AREAS
MARCH FIELD ENCOMPASSES: LOS ANGELES, ALBUQUERQUE, & EL PASO C.A.A. AREAS

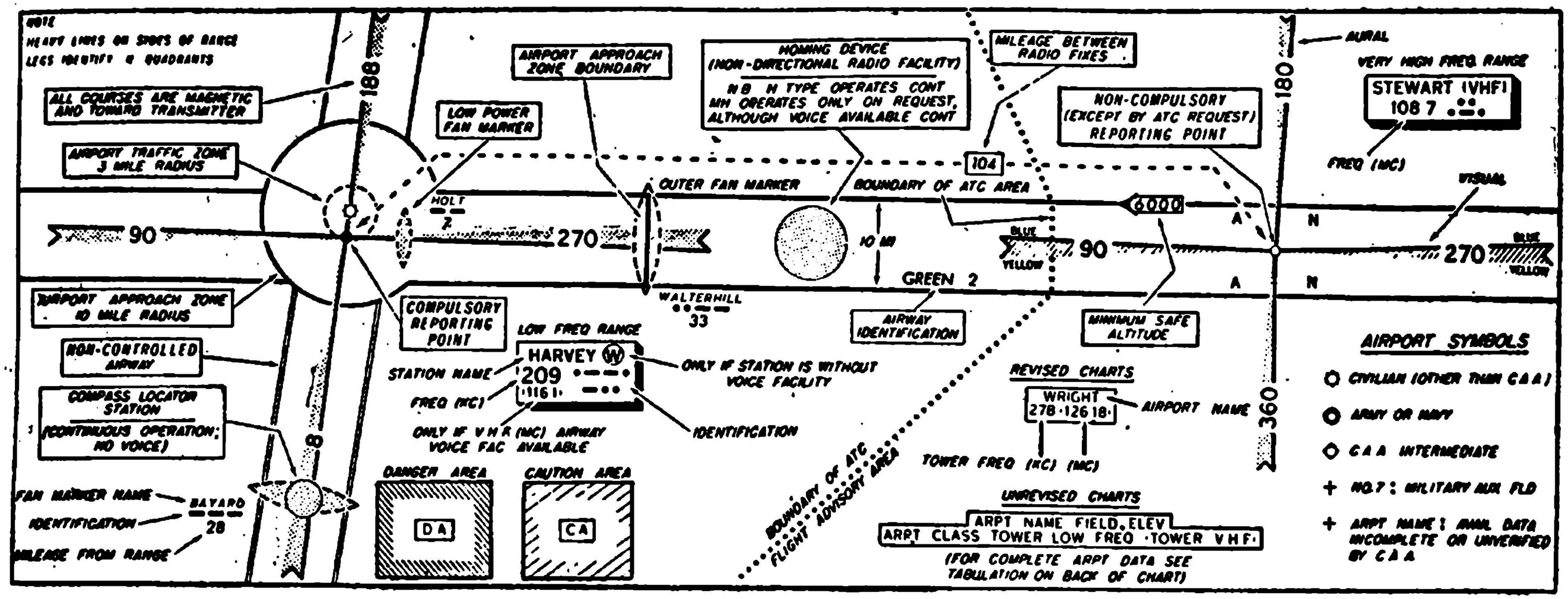


CHART CONTENTS

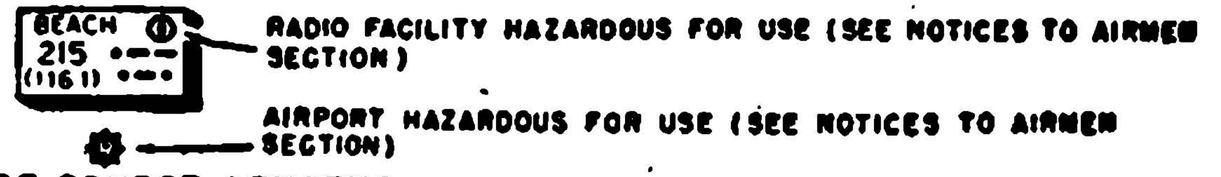
The Flight Planning Charts, in addition to the warning Ⓡ and caution Ⓞ symbols, indicate: (1) all aeronautical radio facilities except air carrier stations; (2) all minimum safe altitudes and fix mileages: (3) all Army and Navy fields and CAA intermediate fields, and all active civilian airports; (4) all danger and caution areas; (5) all designated airways. These charts indicate all facilities, and the current status thereof, on record with the CAA as of 0001 E.S.T. each alternate Tuesday.

CHART PURPOSE & USE

The primary purpose of these charts is to facilitate the planning and execution of cross-country flights. The user should check the charts for the symboled Ⓡ or Ⓞ items between his point of departure and his destination. If there is none, there is no necessity for him to read the Notices to Airmen section as far as temporary items are concerned. As for permanent changes all major ones. such as new fields, abandoned fields, range frequency changes, etc., are currently reflected on the charts. For record-keeping purposes and for the correction of charts and publications, however, the Notices to Airmen section should be carefully read.

CHART HAZARD SYMBOLS

The current status of facilities and hazards as reported to the CAA is indicated by the symbol system. An airport closed because of construction, an inoperative range, a revised range quadrant identification or range frequency, or course realignment of 20° or more, for example, are indicated by the symbol Ⓡ for red, or warning. An airport under construction but usable, or an inoperative control tower, on the other hand, is indicated by the symbol Ⓞ for orange, or caution.



RANGE COURSE LENGTHS

In general, the length of radio range courses shown herein indicates the approximate location where it is expected that a pilot will tune from one radio range to the next one along his route of flight. Such change-over points, however, are not mandatory, and it is expected that a pilot will use his best judgment in selecting change-over points that will best serve his needs.

Warning

Radio range courses are subject to disturbances that result in multiple courses, and signal fades and surges over rough country. Pilots flying over unfamiliar routes are cautioned to be on the alert to detect these vagaries, particularly over mountainous terrain.

RADIO — OREGON

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAY OCEAN FM (Navy)	(- - - -)	FM, 303°,7.5	Tillamook NAS
EUGENE (Mahlon Sweet)	251 (EU)(116.1)	SBRAZ-VDT,150°,4.5	(4):116.1
PORTLAND (AAB)	332 (PD) (116.1)	SBRAZ-VDT,171°,3.1	(3).116.1
→ PORTLAND LFM			DISCONTINUED
REDMOND (Roberts)	368 (RG)	SBRAZ-DT 101°,4.3	(4)
THE DALLES	230 (ND)(116.1)	SBRAZ-VDT,251°,2.8	(4).116.1
TILLAMOOK (Navy)	520 (NFS)	BMRLZ	3105,4495
Tillamook NAS	278 (142.74)	CN, 123°, 2.5	(3); 142.74 (8-1630)
→ WILLAMETTE FM	(- -)	FM,176°, 20.6	Portland

RADIO — WASHINGTON

BELLINGHAM	209 (I I)(116.1)	SBRAZ-VDT,114°,3.3	(4):116.1
CAMANO ISL. FM (Navy)	(- -)	FM,123°, 9	Whidbey Island NAS
DUNGENESS FM	(- - - -)	FM, 296°, 62	Seattle
→ EASTON (Int.)			DECOMMISSIONED
ELLENSBURG (Bowers)	385 (EB)	SBMRAZ-DT,270°,2	(4)
EVERETT (Paine)	224 (MI)(116.1)	BMRLZ-VDT,330°,3.1	(4);116.1
HOBART FM	(- -)	FM, 88°,15	Seattle
→ KELSO			DECOMMISSIONED
LAKEVIEW FM	(- - -)	FM, 1750,25.5	Seattle
McCHORD,(Tacoma)(Army)	272 (DTA)	BMRL; 26°, 1.7	
MOUNT VERNON OLF	3295 (126.18) (142.74)	CN	3105,4495;126.18,142.74 (24 hrs adv notice only)
NEAH BAY	362 (KQ)	SRAWZ	
PORT ANGELES CGAS	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
SEATTLE (King County)	260 (SA)(116.1)	SBRAZ-VDTx,296°,3.3	(3):116.1
→ STEVENSON			DISCONTINUED
STEVENSON FM	(- -)	FM,630,32	Portland, Ore
TOLEDO (Int.)	239 (GL)(116.1)	BMRLZ-VDT,236°,3	(4); 116 1
WASHOUGAL FM	(-)	FM, 630,17.5	Portland, Oregon
WHIDBEY ISLAND (Navy)	353 (NUW)	BMRLZ	(3)
Whidbey Island NAS	278 (142.74) (126.18)	CN, 303°,3.5	(3):142.74.126.18.Tr.and gds 116.1,140,58 req.(GCA)
WHIDBEY ISL. NAS (Navy)	522(K)	MH	(4) Cont.
Whidbey Island NAS (Seaplane)	2870 (142,74)	CN	(3),3155;142.74 (24 hrs advance notice)
WOODLAND FM	(- - - -)	FM, 331°,23	Portland, Oregon
YAKIMA	320 (YA)(116.1)	BMRLZ-VDT	(3); 116.1
Yakima County Arpt.	278 (118.5)	C:267°,4.7	(4):118.5,131.9,142.74

S-Simul Range and Voice W-Without Voice, Z-VHF Range Station Location Marker (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice +- Army A C S transports on and guards 116 1. 137 88, 140 58 mcs

AIRPORTS — OREGON

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Silverton)	1.2 NW;RR E	210	33	Brush N.
Albany	2.5 NE;RR NW	235	26 S6	80 oct.Poles W, SW.
★ Arlington Int,12B,PD-SM	1.4 ENE; riv NW	872	50 L3	
Bend (new)	5.5 ENE;hwy S	3429	40 S6	80 oct.Pwrline SE.Use strips.
Bend (old) (NC)	7.8 N; hwy E	3350	44	Poleline W, NW.
Clatsop Co.(Astoria)	3.5 W;riv E	10	57h	
Coastway School of Aeronautics (Tillamook)	1.4 E;hwy W	55	29 S2	80 oct.
Corvallis	4.9 SSW; RR E	235	52h S6	80,91 oct.
Corvallis Junction	1.3 NNE;RR W	240	20 S6	80, 91 oct.No sto.
Dallas (new)	1.2 N;RR S	400	23 S1	80 oct. Poles WSW
Dallas (old)(NC)	1.6 E;RR S	300	23	UNUSABLE;Under cultivation.
Eugene Airpark	1.6 SW;rd W	420	28 S6	73,80 oct.
Harrisburg	2 NNE; RR E; W	300	25 S1	80 oct
Hood River	2.5 S;riv E	605	19 S1	Ltd fuel.lgt acft only
Langmack (Sweet Home)	2 E;hwy N	550	24	80 oct. Poles W
Lebanon	1.3 SW;RR E	340	21 S4	80 oct.
(A) Madras AAF (A)	2 NNW;RR SE	2420	74h	CLOSED
✓ MAHLON SWEET(Eugene)	8 NW; RR NE	365	52h R1 L5	

L-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page xiii) (NC)-Not charted.

OREGON

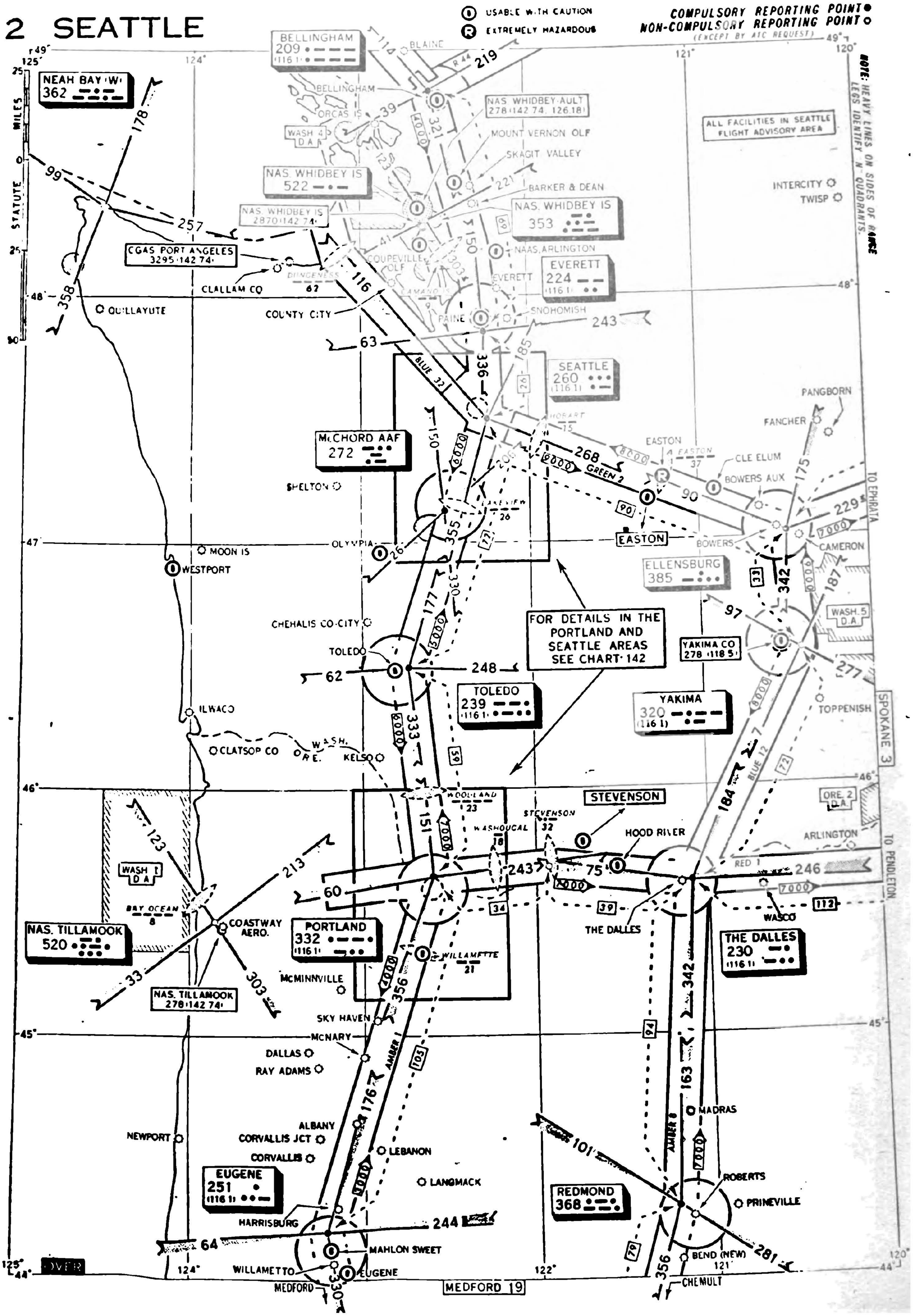
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
McMinnville	3.1 ESE;hwy W	156	50h S4	80,91 oct.
McNARY (Salem)	2.2 SSE;RR SW	207	55h L5 S4	80 oct.;91 oct,emerg.No sto
(P) Newport	4 S;ocean W	160	51h L5 S4	80 oct. No sto. lgts on req.
Prineville	2.9 SW;hwy SW	3240	37 S6	80 oct.
Ray Adams (Monmouth)	2.2 NNW;RR E	195	23 S1	80 oct.Cattle on fld.
(P) Roberts (Redmond)	1.5 SE;hwy N	3075	70h R1 S4	80,91 oct.
Santiam Junction Flgt Strip (Idanha) (NC)	21.5 SSE;hwys N	4000	30	Trees W,E.
Sky Haven (Brooks)	1.6 NE;RR W	180	17 S1	Ltd 80 oct.
(P) The Dalles	1.7 NE	239	51h R1 L5 S6	80,91 oct.
(N) Tillamook NAS (N)	3 SE; riv N	35	50h R2 L5 S4	91 oct.Used by LTA;HTA.
Vernonia (NC)	2.4 WSW;riv S	620	29	
Wasco	0.4 E;RR SW	1420	18 S1	Ltd 80 oct.
Willamette Arpk(Eugene)	4.8 W	420	25 S1	80 oct.

WASHINGTON

(N) Arlington NAAS (N)	3 SW;hwy W	129	50h	INACTIVE.
Barker & Dean (Mt. Vernon)	2.2 S;RR,riv W	4	20 S4	73,80 oct.No sto.Trees NW.
BELLINGHAM	4,5 NW;hwy E	158	50h R1 L5 S4	73 oct. No sto.Fld lgts prior req.ARPT OF ENTRY
Blaine	0.5 E;RR W	15	18 S1	80 oct.
(P) Bowers (Ellensburg)	2.5 NE;hwy S	1767	59h R1 L5 S6	80 oct.Ctc lgts prior req.
Bowers Aux.(Ellensburg)	8.6 NNW	2140	30	
Cameron (Kittitas)	0.5 N;RR S	1650	26 S2	80 oct.
(P) Chehalis Co.-City	0.6 NW;RR E	174	50h S6	80 oct.No sto.
→ Clallam County (Port Angeles)	2.9 WNW;RR NW	290	52h L5 S2	80 oct.
Cle Elum	2.4 E;hwy S	1930	25 S4	80 oct.
County-City (Port Townsend)	5 SSW	110	33 S2	80 oct.Pole lines ESE,WNW ARPT OF ENTRY.
(N) Coupeville OLF (N)	2 SE	193	54h	
✓ Easton Int.5B,SA-HL	1.7 NNW;RR SW	2221	30 L2	Trees, mtns WNW.
Everett	2.7 NNE;riv N	15	21 S4	80 oct. 30 hangar W.
(P) Fancher (Wenatchee)	2.5 NE;riv W	1440	33h L3 S6	80 oct,Fld lgts prior req.
Forks (NC)	1 SW;rd S	286	23	75 trees E.HAZARDOUS.
Goldendale (NC)	0.6 SE;RR W	1600	20	Poleline E,SE.Ditch center
Ilwaco	1.5 ENE;riv S	8	20 S2	80 oct. HAZARDOUS
Intercity,USFS (Winthrop	4 SSE;riv SW	1650	32 S1	73,91 oct.Mtns SE.
Kelso,61A,SF-SA	1.4 S;RR SW	25	29 R1 L3 S6	80 oct.
Kenmore, (Botnell) (NC)	2.3 NW;rd E	420	17	12-14 brush NNE,SSW.
(P) Moon Island (Aberdeen)	6 W;harb. N,S	14	50h L5 S6	80,91 oct.
(N) Mt.Vernon OLF (N)	5 NW;RR S	146	53h R1	Pole line N.CLOSED
Olympia	4.5 S;hwy E	190	50h S4	80 oct.Trees W.
Orcas Island (E.Sound)	0,7 N;hwy E	25	12 S1	73,91 oct
Paine (Everett)	6,5 SW;hwy NE	598	65h R1 L5 S6	80 oct.Fld lgts prior req.
PANGBORN(Wenatchee)	5.3 ESE;hwy S	1246	46h L5	Contact lgts prior req.
Pasayten.USFS (Winthrop)(NC)	38 NW;riv E	4250	28	Use in emerg.only. Closed to public
(CG) Port Angeles CGAS(CG)	2 NNE	13	45h R1 L5 S1	91,100 oct, lgts prior req.
→ Randle,USFS (NC)				ABANDONED
Quillayute	0.7 NNW;8 W Forks	195	50h	
Shelton	2.5 NW;hwy ENE	278	52h	Tower NW.
Skagit Valley Air Svc. (Burlington)	0.7 S;RR E	35	20 S1	80 oct,Stack N.
Snohomish	0.9 SW;RR N	16	33 S6	80 oct,Poles,trees ESE.
Snoqualmie Pass (North Bend)(NC)	3.5 ESE;hwy S	680	19	Trees WNW,ESE.
★ Toledo Int,63B,SF-SA	3 NE;riv S	371	50h R1 L3 S1	80,91 oct.
Toppenish	3.2 SSW;hwy E	835	32 S5	80 oct.
Twisp	1.9 SE;riv S	1620	19 S1	80 oct,Trees,hills WNW.
Westport (NC)	0.5 N;harbor E	5	18 S1	80 oct.
(N) Whidbey Island NAS	3 NW Oak Harbor	17	70h R2 L6 S2	91,100 oct (N)
YAKIMA COUNTY	2.8 SSW	1054	50h R2 L5 S6	73 80 100 oct Poleline S.

→ NEW OR REVISED DATA

2 SEATTLE


USABLE WITH CAUTION
EXTREMELY HAZARDOUS
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
NOTE: HEAVY LINES ON SIDES OF AIRWAY LEGS IDENTIFY N QUADRANTS.
ALL FACILITIES IN SEATTLE FLIGHT ADVISORY AREA
INTERCITY
TWISP
BELLINGHAM 209 (116.1)
NEAH BAY (W) 362
NAS. WHIDBEY AULT 278 (142.74, 126.18)
MOUNT VERNON OLF
SKAGIT VALLEY
BARKER & DEAN
NAS. WHIDBEY IS 522
NAS. WHIDBEY IS 2870 (142.74)
NAS. WHIDBEY IS 353
NAAS, ARLINGTON
COUPEVILLE OLF
CGAS PORT ANGELES 3295 (142.74)
EVERETT 224 (116.1)
CLALLAM CO
DUNGENESS
CAMANO IS
EVERETT
QUILLAYUTE
COUNTY CITY
PAINE
SNOHOMISH
BLAINE
ORCAS IS
WASH 4 D A
SEATTLE 260 (116.1)
HOBART
PANGBORN
FANCHER
McCHORD AAF 272
EASTON
CLE ELUM
BOWERS AUX
SHELTON
LAKEVIEW
GREEN 2
EASTON
BOWERS
CAMERON
ELLENSBURG 385
TO EPHRATA
OLYMPIA
MOON IS
WESTPORT
CHEHALIS CO-CITY
TOLEDO
FOR DETAILS IN THE PORTLAND AND SEATTLE AREAS SEE CHART 142
YAKIMA CO 278 (118.5)
WASH 5 D A
TOLEDO 239 (116.1)
YAKIMA 320 (116.1)
TOPPENISH
SPOKANE 3
ILWACO
CLATSOP CO
WASH.
ORE.
KELSO
WOODLAND
STEVENSON
WASHOUGAL
HOOD RIVER
ARLINGTON
ORE 2 D A
WASH 1 D A
BAY OCEAN
COASTWAY AERO.
PORTLAND 332 (116.1)
WILLAMETTE
NAS. TILLAMOOK 520
NAS. TILLAMOOK 278 (142.74)
McMINNVILLE
THE DALLES
THE DALLES 230 (116.1)
WASCO
TO PENDLETON
SKY HAVEN
McNARY
DALLAS
RAY ADAMS
NEWPORT
ALBANY
CORVALLIS JCT
CORVALLIS
LEBANON
LANGMACK
EUGENE 251 (116.1)
REDMOND 368
ROBERTS
PRINEVILLE
MADRAS
HARRISBURG
MAHLON SWEET
WILLAMETTO
EUGENE
BEND (NEW)
CHEMULT
MEDFORD
MEDFORD 19
OVER

SPOKANE 3

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS C USABLE WITH CAUTION

NOTE HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 'N' QUADRANTS.

DOROTHY SCOTT
TONASKET
OKANOGAN No 1
OKANOGAN -LEGION
COLVILLE
NEWPORT
HAFER'S
DEER PARK
SPOKANE 365
COEUR D'ALENE 347
SANDPOINT
EUREKA
LIBBY
ANDERSON
CALKINS AIR TERMINAL
CHELAN
EPHRATA 269
DAVENPORT
FELTS 278 (118.5)
COEUR D ALENE AIR TERMINAL
THOMPSON FALLS
SPOKANE AAF 245 (126.18)
WILBUR
COULEE CITY
EPHRATA
HARRINGTON
SAVAGE
GEIGER AAF
SPRAGUE
WEEKS
LEMEN
KELLOGG
ROSALIA
ST MARIES
TO ELLENSBURG
MOSES LAKE AAF
RITZVILLE
HARRINGTON
TEKOA FLY CLUB
MULLAN PASS 206
LIND
WASH 5 D A
WASH 8 D A
LA CROSSE
WASHTUCNA
CONNELL
PULLMAN MOSCOW REGIONAL
ASOTIN CO
OROFINO
TOUCHET VALLEY
WALLA WALLA 212 (116.1)
LEWISTON
SUNNYSIDE
RICHLAND
NAS. PASCO
PROSSER
VISTA
MARTIN
KAMIAH
TWIN CITY
WALLA WALLA AAF 396 (116.1 126.18)
SKY RANCH
WASH.
ORE.
PENDLETON 278 (118.7)
IDAHO CO.
HERMISTON
OREGON SKY RANCH
BOARDMAN
CABBAGE HILL
PENDLETON AWYS SER.
ENTERPRISE
JOSEPH
LEXINGTON
LA GRANDE
PENDLETON 341 (116.1)
PILOT ROCK
LA GRANDE
ORE. IDAHO
McCALL
BAKER 221 (116.1)
CASCADE
BAKER
WEISER
PAYETTE
ONTARIO
PAYETTE
ONTARIO
BOISE 350

MONT
IDAHO
WASH
IDAHO
MONT
STATUTE MILES 0 25 50
TO SUPERIOR
GREAT FALLS SEATTLE
GREAT FALLS 6
TO THE DALLES
SEATTLE 2
ELKO 22
OVER

RADIO AIDS

LOCATION	FREQ. IDENT.	STA CLASS, BEAR. & DIST	FREQS GUARDED, HRS OF OPER., REMARKS
IDAHO			
COEUR D'ALENE (Air Term.)	347 (KO)	BMRLZ-DT;321°,5.2	(4)
PAYETTE FM	(. . - - - -)	FM; 301°, 49	Boise.
MONTANA			
MULLAN PASS	206 (MN)	BMRLZ-DT	(4)
OREGON			
BAKER	221(BK)(116.1)	SBRAZ-VDT;116°,2.1	(4); 116.1
CABBAGE HILL FM	(- -)	FM, 121°, 11	Pendleton
→ LA GRANDE			DECOMMISSIONED
LA GRANDE FM	(- - - -)	FM; 300°,38	Baker
			DECOMMISSIONED
→ ONTARIO			
PENDLETON	341 (PO)(116.1)	SBRAZ-VDT	(3):116.1
Pendleton Field	278 (118.7)	C; 247°, 2.3	(4);131.9,126.18,118.7
WASHINGTON			
EPHRATA	269 (EP)	BMRLZ-DT;336°,3.9	(4)
FELTS (Spokane)	278 (118.5)	C	(4);118.5,126.18,131.9
HARRINGTON FM	(- - - -)	FM; 236°, 45.3	Spokane
SPOKANE (Felts)	365 (SM)	SBRAZ-DT;332°,1	(3)
SPOKANE AAF	245 (126.18) +	CA	(3); 126.18
WALLA WALLA	212 (WL)(116.1)	SBMRLZ-VDT	(4) :116.1
Walla Walla AAF	396(126.18.116.1)	CA :182°, 4	(4):126.18.116.1 (7-24)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4) 3105, 4495, 6210; 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF/Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
IDAHO				
Cascade	1 E; rd N	4765	29 S2	80 oct. Pole line NW.
Cayuse Creek, USFS (NC)	40 ENE Pierce	3700	23	
Chamberlain, USFS (Dixie)(NC)	17.6 SE	5765	21	Maintained May to Nov.
(P) Coeur d'Alene Air Terminal	6.3 NNW;RR NW	2310	54h R1 L3 S1	80 oct. 2-50' poles S.
Dixie, USFS (NC)	4 SW; creek E	5200	28	Obst N,E,S.
(P) Idaho Co. (Grangeville)	0.9 N;rd W	3295	44 S2	80 oct.20' pole line W.
Kamiah	0.6 SE;RR E	1194	28	Rough. Trees NNW.
★ Kellogg Int,29B,SA-HL	0.8 NW;riv N	2300	38 L3 S4	73 oct. 10' dike W.
Landmark,USFS (Knox) (NC)	7.7 ESE	6680	15	Maintained June to Nov.
(P) Lewiston	2 S;riv NW	1426	50h L	Port rnwy lgts.
McCall	1 S,RR W	5021	23 S4	80 oct. Trees W.
Orofino	1.3 W,riv NE	1000	24 S1	80 oct.1000' mtns WNW, ENE.
Payette	2 NE;RR W	2200	35	Road crosses fld SE.
Priest River (NC)	0.9 NNW,RR S	2165	21	Trees E; hill W.
St. Maries	1.2 NW,hwy S	2132	23	
Sandpoint	1.5 NNW;RR W	2117	27 S4	73,80 oct.No sto.Pole line W.
Tekoa Flying Club (Tensed)	5 NNW,crk N	2650	16 S2	80 oct.
Weeks (Coeur d'Alene)	3 N;RR E	2237	30 S6	73,80,91 oct. Trees NE.
→ Weiser	2.8 S,RR NE	2120	34 S6	80 oct.
MONTANA				
Eureka	2.7 NNW,RR N	2680	20	
Libby, USFS	1 NE;riv S,E,W	2090	30	Mtns sur fld.
Thompson Falls	3.2 ESE,RR N	2460	25	Mtns E,S.
OREGON				
(P) Baker	4.3 NNE;hwy W	3368	49h R1 L3 S6	80 oct. No sto.
Boardman Flight Strip	5.6 WSW,RR N	378	42h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

OREGON

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Enterprise	1.4 WNW;RR SW	3750	34	Hwy SW.
Hermiston	1.7 SE,riv N	635	23 S1	80 oct.
Hug's (Elgin) (NC)	0.8 N;RR E	2670	14	
(P) Joseph	1.2 W;RR E	4150	33 S2	80 oct.
→ La Grande	5.5 ESE,RR SW	2713	47h L2 S6	80 oct.
Lexington	0.7 N;hwy E	1650	30 S1	80 oct. RR SW
(P) Ontario	2.5 W;hwy E	2190	45h L3 S6	80 oct.
Oregon Sky Ranch (Milton)	3.7 SSW,RR E	1300	20 S6	73,80 oct.
→ PENDLETON	3 WNW,hwy S	1492	63h R2 L5 S4	80,91 oct.
Pendleton Airways Inc.(Pendleton)	3.8 ESE,RR N	1200	37 S6	80,91 oct. Pole line E.
Pilot Rock	0.8 E,hwy N	1780	25 S2	80 oct.
WASHINGTON				
→ Anderson (Pateros)	1.6 SSW;RR N	1100	16	Mtns NW
→ Asotin County(Clarkston)	0.6 N	760	34 S6	80,91 oct. Mtn 1 mi W.
Calkins Air Terminal (Spokane)	3.8 N;hwy W	2020	53 S6	80 oct. Trees 200' W.
(P) Chelan	4.7 NE;riv E	1250	34 S2	Fuel. Hills W,N,S.
Colville	0.8 E;hwy NW	1875	27 S1	80 oct.
Connell	1.2 SSW,RR W	870	30 L3 S1	80 oct.
Coulee City	2.2 E;RR W	1700	33 S1	80 oct.
Davenport	0.9 WNW,hwy S	2425	28 S1	80 oct. Obsts ENE.
(P) Deer Park	2.6 ENE	2200	61h S4	80 oct.
(P) Dorothy Scott (Oroville)	3 NNE;lake W	1150	40 S1	73 oct. 2000' mtn S.
Ephrata	2 SE,hwy NW	1258	73h R1 S6	80 oct.
Fairweather (Republic) (NC)	0.8 S;riv E	2500	20	Trees N,S.
FELTS (Spokane)	4.9 ENE;riv N	1962	45h R2 L5 S6	73-91 oct. ARPT OF ENTRY.
(A) Geiger (Spokane) (A)	6.5 SW;hwy N	2354	82h	TMP INACT. NO FACS(See Spl Not.)
Hafer's Ranch (Chewelah)	3.6 SSW;RR E	1700	18	
★ Harrington Int,19,SA-HL	1 NNW;hwy E	2305	32 L3	
"JZ" (Almira)	1 NNW;RR SW	1950	21	
La Crosse,28B, PD-SM	2.5 SW;RR NW	1459	37 L3 S1	80 oct. RR E.
Lemen Airpark (Opportunity)	3 SE;lake N	2040	32 S4	80 oct. No sto. Pole line NNE.
(P) Lind	1.3 NE;RR S	1478	33 L2 S2	80 oct.
Martin (College Place)	1.5 WSW,RR N	750	24 S6	80,91 oct. No sto.Trees ENE.
(A) Moses Lake AAF (A)	6.5 NNW;RR E	1190	100h	TMP INACT NO FACS(See Spl Not.
Newport	1 W;riv NE	2150	29 S2	No fuel. Hills E,W.
Okanogan-Legion (Okanogan)	1.1 E;riv NW	1100	24 S1	80 oct. Posts NE.
Okanogan Flight Strip (Omak)	4 N	1298	47h	
(N) Pasco NAS (N)	2.8 NNW,RR E	402	47h	INACTIVE.
Prosser	1.4 NW;riv SE	685	40 S6	80,91 oct. Trees W.
(P) Pullman-Moscow Regional (Pullman)	3.4 ENE;RR S	2549	51h S6	80 oct.
Richland	1.3 SSE,riv NE	365	23 S1	80 oct. Riv SE.
Ritzville	0.5 W;RR SW	1800	15 S1	80 oct. Pwrline,bldgs NE.
Rosalia	2.6 W	2180	26 S1	80 oct. Hill NE.
Savage (Cheney)	0.7 WSW;RR SE	2400	24 S1	80 oct.
Sky Ranch (College Place)	1 E;RR S	800	30 S1	80 oct. Pwr line WSW.
(A) Spokane AAF (A)	12 WSW	2430	80h R1 L5 S6	62,73,91,100 oct. JP-1.No sto.
Sprague	0.7 NE;RR S	2000	21	
Sullivan Lake (Metaline Falls)	4 ESE;lake S	2590	21	Road crosses fld-caution.(NC)
Sunnyside	2 SE;RR NE	730	18 S1	80 oct.
Tonasket	1.9 NNW;riv E	1250	31 S1	80 oct. Pwr line SSW.
Touchet Valley (Huntsville)(NC)	0.5 NE;RR S	1400	19	Trees,pole line WSW.
Twin City (Kennewick)	1.3 SE;RR E	385	30 S6	80,91 oct.
Vista (Kennewick)	4.5 W;rivs NW	516	35h	
Wallace (Mead)(NC)	2 W;RR E	1935	26	40' trees NE.
(A) WALLA WALLA AAF (A)	3 NE;hwy S	1205	72h R2	CLOSED
Washtucna	1 S;RR SE,NW	1000	39 S2	80 oct. Hill NE.
Wilbur	1.8 W;RR S	2175	29 S6	80 oct. Pole line NE.

RADIO

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DU BOIS (Int.)	388 (DZ)	SBRAZ-DT, 332°,1.7	(4)

MONTANA

ALBERTON FM	(- - -)	FM, 276°,14.8	Missoula
BELT FM	(- -)	FM, 86°,21.5	Great Falls
BOZEMAN (Gallatin)	329 (BL)(116.1)	SBMRAZ-VDT,319°,0.8	(4):116.1
→ BUTTE	233 (BT)(116.1)	BMRLZ-DTV,59°,16.1	(4):116.1
CASCADE FM	(- - -)	FM,202°,19.3	Great Falls
CUT BANK	263 (GV)	SBRAZ-DT,327°,3.1	(4)
DILLON (Int.)	379 (DE)	BMRLZ-DT,167°,2	(4)
DRUMMOND (Int.)	296 (DR)	SBMRAZ-DT,185°,1.4	(4)
GREAT FALLS	317 (GT)	SBRAZ-DT	(3)
Great Falls Mun.Arpt.	278 (118.7) (126.18 on req)	AC; 17°, 1.9	(4);126.18,131.9,119.1
GREAT FALLS AAF	219 (126.18)+	CA	(3); 126.18
HELENA	371 (HL)	SBMRAZ-DT,252°,1.9	(4)
HOMESTAKE FM	(- -)	FM, 99°, 21	Butte
LIVINGSTON (Int.)	224 (LT)	SBMRAZ-DT,247°,2	(4)
McDONALD PASS FM	(- - - -)	FM, 252°, 18	Helena
MISSOULA	308 (MX)(116.1)	SBMRAZ-VDT,120°,1.5	(4); 116.1
STANFORD FM	(- - - -)	FM,270°, 29	Lewistown
SUPERIOR (Int.)	254 (SP)	BMRLZ-DT,275°,0.1	(4)
WHITEHALL (Int.)	284 (WW)	SBRAZ-DT,183°,2.3	(4)
WHITETAIL FM	(-)	FM,352°,15.6	Whitehall
WINSTON FM	(- -)	FM, 100°, 15	Helena

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3) 3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Big Springs (NC)	1.1 WNW;RR SE	6350	27	Trees ENE,WSW.
(P) Challis	1.2 NNE;hwy E	5000	34 S1	73,80 oct.
Dubois ,23,SL-GT	0.8 SSE	5123	48 R1 L3	30° pole W.
Flying R (Lake)	2.8 SE;lake W	6630	34 S1	Ltd 73 oct.
Moose Creek,USFS (Red Riv.Hot Sprgs)	26.5 NNE	2200	23	Mtns sur fld. (NC)
Salmon	4 S;riv W	4045	40 S2	80 oct.Mtns NE.

MONTANA

Anderson (Conrad)	4.8 SE;RR W	3730	16	PRIVATE.
Basin Creek (Flathead Nat'l Forest)(NC)	56 NE Missoula	4900	21	Closed to public
Big Prairie (Flathead Nat'l Forest)(NC)	57 NE Missoula	4650	22	Closed to public
Black Bear (Flathead Nat'l Forest)(NC)	58 SE Kalispell	4200	22	Closed to public
Bob Gordon (Cascade)	0.9 W;RR E	3480	25	(NC)
(P) BUTTE	4 S;RR W,N	5553	56h R1 L5 S4	80,91 oct.
Chester	1.5 NW;RR S	3150	44	
(P) Choteau	1.2 NNE;RR W	3810	39 S4	80 oct.
Condon (Flathead Nat'l Forest)(NC)	48 NNE Missoula	3690	25	
Conrad	1.1 W; creek S	3530	32 S1	80 oct.
CUT BANK	3 SW;riv 1 E	3899	87h R1 L5 S6	80 oct. ARPT OF ENTRY.
(P) Deer Lodge	1.5 W;RR E	4700	38 S1	80 oct.
Dell Fight Strip,28, SL-GT	1.3 NW;RR E	6008	70h L2	
★ Dillon Int,32, SL-GT	4.6 ENE;riv 2 W	5238	38 R1 L3 S1	80 oct.

MONTANA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Drummond Int,44B, SA-HL	4 SW;hwy E	4300	36 R1 L3	
Ennis (NC)	1 NW;riv E	4985	23	
(P) Flathead Co.(Kalispell)	7.4 NNE;RR E	2690	47h L2 S1	80 oct.All lgts prior req.
Fort Benton	1.3 NE;RR SE	2870	27	Poles NW.Soft when wet.
(P) Gallatin (Bozeman)	8.5 NW;RR S	4461	52h R1 L5 S6	80-100 oct.
Gates Park,USFS(NC)	35 W Choteau	5400	26	Sur by mtns.Closed to public.
Geraldine Mun.	0.5 S;RR NE	3200	17 S1	Ltd 73 oct.
★ Geyser Int,55,CX-GT	3 SE;RR N	4281	43 L3	
GREAT FALLS	3.5 WSW;RR E	3664	70h R2 L5 S6	80,91 oct. ARPT. OF ENTRY.
(A) Great Falls AAF(A)	4.5 E;RR N	3459	89h R1 L5 S6	73,91,100 oct.IP-1.Foreign clearing station.
Hale (Missoula)	2.3 SSW;hwy NW	3200	38 L4 S6	73 oct.All lgts prior req.
Hamilton	1.3 ENE;hwy W	3640	24 S6	80 oct.Pole line S.
(P) HELENA	2.5 ENE;hwy W	3894	55h R1 L5 S6	80,91 oct.Stack WSW.
Holbrook (Flathead Nat'l Forest)(NC)	58 NE Missoula	4575	20	Sur by mtns.Closed to public.
Hot Springs (NC)	2.2 E;hwy W	2800	27	
Kalispell	1 S;hwy E	2900	34 S4	80 oct.Poles NW.
Livingston	6 ENE;RR N,W	4656	62 S1	80 oct.
★ Int,10,HL-Twin Cities	2 E;RR N	4603	40 R1 L3	Poles S.
Meadow Creek (Flathead Nat'l Forest)	48 SE Kalispell	4000	22	(NC)
(P) MISSOULA COUNTY	5.3 WNW;RR N	3199	71h R1 L5 S2	73,91 oct.
Plains	1.3 NNW;RR E	2500	32 S4	80 oct.No sto.30' Poles NW,NE.
Polson	1.5 W;riv E	2900	23 S4	80 oct.No sto.
Quarter Circle,M.C. Ranch (Polebridge)	4.2 NW;riv W	3600	26 S1	73 oct.Ski-equipped acft only Nov. thru April.
Rainbow Skyport (Gregson)	0.7 N;RR E,S	5030	40 S1	80 oct.
Schaeffer (Flathead Nat'l Forest)(NC)	50 ESE Kalispell	4855	24	Sur by mtns.
Seeley Lake (NC)	1.5 WNW;lake SE	4150	20	Trees NW.
Sheridan	1.5 SE;RR W	5160	27	Brush, cattle on fld.
Six Mile Landing Fld (Huson)(NC)	2 NNW;riv S	3200	24	Hill NE;make SW approach.
Spotted Bear (Flathead Nat'l Forest)(NC)	39 SE Kalispell	3800	22	
Stevensville	2 ENE;riv 2 W	3620	30 S2	73 oct.
★ Superior Int,36B,SA-HL	1 S;RR SW	2700	35 R1 L2	Mtns NW;trees SE.
Tanner (Geraldine)	0.5 NW;RR NE	3200	25	
Toole Co.(Shelby)	2 NNW;RR S	3300	26 S2	80 oct.Poles E,SE.
★ Townsend Int,3,HL-Twin Cities	2.2 ENE;riv 3 W	4000	40 L2 S1	80 oct.
Troy (NC)	1.3 NW;riv E	2017	26	Trees SSE.
Twin Bridges	1.5 SE;RR SW	4725	38	
(P) Valier	0.6 S;lake S	3820	35	Caution when wet.
West Yellowstone	1.3 W;RR S	6700	63 S2	91 oct. Trees sur fld.
★ Whitehall Int,36A,SL-GT	6.7 SW;RR N	4665	60 R1 L3	
White Sulphur Sprgs.	4 SSW;RR E	5010	24	Livestock on fld.
Gardiner	1 NNW;RR S	6200	22	

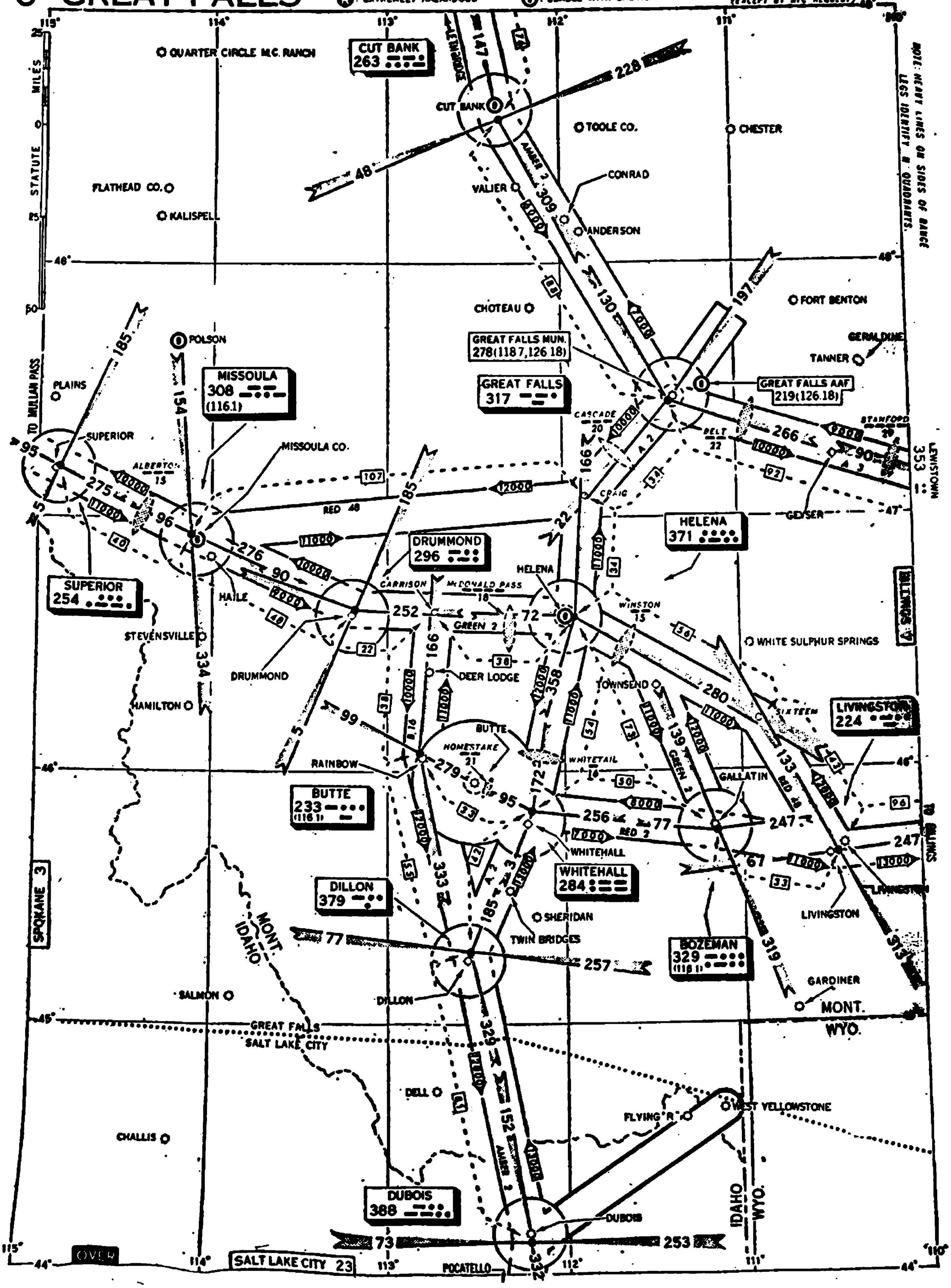
h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII) (NC)-Not charted. → NEW OR REVISED DATA

6 GREAT FALLS

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R. QUADRANTS.



BILLINGS 7

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY AIC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓘ USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS

49°
110° 109° 108° 107° 106° 105° 30' 105°
25 STATUTE 0 MILES 25 50

SCOBEY
CHINOOK
HAVRE CITY-CO.
HARLEM
MALTA AIRPK.
ETCHART
VALLEY CO.
GUSTAFSON-ANDERSON
WOLF POINT
FORT PECK
48°
VINE
CIRCLE
BISMARCK 10
JORDAN
47°
TO GREAT FALLS
GREAT FALLS 6
DENTON
LEWISTOWN
FOREST GROVE
NOORE
LEWISTOWN 353 (116.1)
HARLOWTON
LAVINA
BILLINGS 400 (116.1)
CUSTER (W) Ⓡ 215 (116.1)
MILES CITY
MILDRED
TO DICKINSON
CUSTER
NIBBE 25
FORSYTH
MILES CITY 320 (116.1)
46°
RAPALJE
BILLINGS 278 (118.7)
BIG TIMBER
ZELKA
LIVINGSTON 224
COLUMBUS
PARK CITY 21
BILLINGS 6
ST. XAVIER
MONT.
WYO.
45°
COWLEY-LOVELL-BYRON
POWELL
SHERIDAN CO.
SHERIDAN 2
SHERIDAN 239
UCROSS 17
DENVER
CODY
GREYBULL
BASIN
BUFFALO
GILLETTE MUN.
GILLETTE ARPK.
GREAT FALLS
SALT LAKE CITY
ROCK SPRINGS 26
CASPER 269
TO HIGHLIGHT
OVER
MINNEAPOLIS GREAT FALLS

197 90 9000 92 27 17 270 146 8000 83 AMBER 3 9000 145 142 6000 238 76 6000 60 GREEN 2 240 5000 153 5000 50 6000 229 7000 55 96 12000 247 67 13000 224 105 10000 297 9000 118 AMBER 31 28 325 326 208 136 8000 159 RED 2 298 7000 8000 101

RADIO — MONTANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BILLINGS	400(BI)(116.1)	SBRAZ-VDTX	(3);116.1
Billings Airport	278 (118.7)	C(ILS);247°,1.5	(4);118.7,126.18,131.9
BILLINGS LFM	(- - -)	LFM, 247°, 6	Billings
→ CUSTER (Int.)	215(CU)	MRLWZ;230°, 2	
LEWISTOWN	353(IT)(116.1)	SBRAZ-VDT,90°,2.9	(4); 116.1
MILES CITY	320(MY)(116.1)	SBMRAZ-VDT,58°, 2.1	(4); 116.1
NIBBE FM	(-)	FM, 49°, 25.4	Billings
PARK CITY FM	(. . - - .-)	FM, 247°, 21	Billings
WYOMING			
→ SHERIDAN LFM	(- -)	LFM,118°,2.3	Sheridan
SHERIDAN	239 (ZY)	SBRAZ-DT,298°,1.8	(4)
UCROSS FM	(. . - -)	FM, 118°, 17.4	Sheridan

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Billings, Mont.	110.3	335	253° Mag.	IM-	MM- ·--·(0.6)	OM- --(4.3)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker, (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice +- Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Big Horn Co.(Hardin)	2.3 ESE,riv W	3000	31	(NC)
★ Bigtimber Int,13A, HL-Twin Cities	2.5 SSW,hwy N	4450	43 L3	
(P) BILLINGS	2.5 NW,RR S	3612	57h R3 L6 S6	73,91,100 oct.
→ (P) Bones Bros.Ranch (Birney)(NC)	2 ESE,crk W	3500	29	ROUGH
→ (P) Chinook	2.8 NNE,rd W	2480	42	
Circle	1.3 E,RR N	2400	21	
(P) Columbus	1 ESE,RR N	3575	50 S1	80 oct,Poles W,E,NW.
→ ★ Custer Int,25,HL-Twin Cities	2.3 E,riv NE	2868	42 L3	
Denton	2.2 SSW,RR N	3850	26 S4	73 oct,
Etchart(Tampico)	0.5 NNW,RR S	2100	29 S2	80 oct.Trees SE.
★ Forsyth Int,30,HL-Twin Cities	3 ENE,riv N	2722	30 L3	
Fort Peck	1.6 W,hwy S	2294	30 S1	80 oct,
Gustafson-Anderson (Wolf Point)	0.8 NW,RR S	2040	26 S6	80 oct.Poleline E.
Harlem	2.3 NNE,RR E	2560	24 S2	80 oct,
(P) Harlowton	2 WNW,riv S	4400	29 S2	73 oct,
(P) Havre-City-County	4 WSW,lake E	2589	48h S4	80 oct.ARPT OF ENTRY.
Ingomar (NC)	0.8 WSW,RR N	2950	24	
(P) Jordan	1.8 WNW,rd S	2637	40	Road W
★ Lavina Int,44B, CX-GT	1 WNW,RR S	3496	39 L3	
LEWISTOWN	2.5 SW,RR NW	4177	100h R1 L5 S4	80 oct.
(P) Malta Airpark	0.8 SW,RR N	2270	31 S4	80 oct.Shrubs NW.No sto,
★ Mildred Int,38, HL-Twin Cities	3.4 WSW,rd E	2535	37 L2	
(P) MILES CITY	2.5 NW	2628	56h R1 L5 S6	73,91 oct. Hwy NE.
Poplar (NC)	0.8 N,RR S	1970	33	
(P) Rapelje	1 SE,RR N	4030	38	
Red Lodge (NC)	0.5 WNW	5600	29	ROUGH. Road N.
Roundup (NC)	1.9 N,hwy S	3500	37	Hwy W.
★ St. Xavier Int,35, CX-GT	7.3 SSW	3170	40 L3	River W.
(P) Scobey	1 NW,RR S	2458	34 S1	80 oct.
Valley County (Glasgow)	1.8 NNE,RR S	2298	81h S6	80 oct.
Vine (Vida)	8 S,hwy W	2350	27 S1	80 oct.
Wolf Point	3 E,riv S	1980	35 S2	80, 91 oct.
Zelka(Hardin)(NC)	2 W,hwy N	3002	18	
WYOMING				
Basin	2.5 NE,riv E	3775	34	Hills adj E.
Buffalo,27,CX-GT	2.6 NNW	4900	40 L3 S1	80, 91 oct. Hwy E.
Cody	2 ESE,riv N	5084	47 S6	73,91 oct.Hill E; pole line S.
→ Cowley-Lovell-Bryon (Cowley)	2 NNE,rd NW	4050	32	
(P) Gillette	5.2 NNW	4380	36 S2	73, 80 oct. Hwy E.
(P) Grey Bull	2 NW,hwy S	3900	44 S2	73 oct.
(P) Powell	8 NNW	5054	42 S2	73 oct.
(P) SHERIDAN COUNTY (Sheridan)	2 SSW,hwy E	3961	60h R1 L5 S6	80,91 oct.
Moore (Mont.)	0.5 E,RR N	4100	20 S2	73 oct.
Gillette Arpk.(Wyo.)	1.7 ESE,RR N	4650	25 S4	80 oct.Poles NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

RADIO — NORTH DAKOTA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISMARCK	230(RK)(116.1)	SBRAZ-VDT,260°, 2.3	(4); 116.1
DICKINSON (Mun.)	308(DC)(116.1)	SBMRAZ-VDT,167° 2.1	(4); 116.1
DRISCOLL FM	(-)	FM, 73°, 30	Bismarck
GOLVA (Int.)	266(GA)(116.1)	MHVT	(4). 116.1
JUDSON FM	(- - -)	FM,260°, 27	Bismarck
MINOT(Port O'Minot)	209 (UI)	BMRLZ-DT,301°, 3.4	(4)

SOUTH DAKOTA

PHILIP	206 (IL)	MHT	(4)
→ PIERRE	347(PX)(116.1)	SBRAZ-DTV;249°, 3.5	(4); 116.1
→ RAPID CITY	221 (RZ)(116.1)	SBRAZ-VDT	(4);116.1
Rapid City AAB	396 (126.18)+	CA;345°,5.5	(4); 126.18
SPEARFISH (Black Hills Airport)	335 (SE)	HT	(4)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MONTANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Baker	0.8 SSE,hwy N	2290	35 S2	80 oct.Poles NW,W.
Glendive	2.5 NE,RR S	2128	28 S6	80 oct.Poles S.
Plentywood	0.5 S,RR NE	2065	24 S4	80 oct.
Sidney	6.6 NW,hwy W	2290	30 S2	80 oct.

NORTH DAKOTA

Beach	0.8 NNW	2814	30 S1	73 oct. RR W.
BISMARCK	2.4 SSE,RR ENE	1653	51h R1 L5 S4	73,80,91 oct.No sto.
Bowman	1.5 W,RR N	3000	24	
Chandler(Williston)	3 W,RR SE	1877	24 S6	80 oct.
(P) Crosby	1 N,RR SW	1962	33	
(P) Dickinson Mun.	5.8 S,hwy E	2587	54h R1 L3 S1	80 oct.

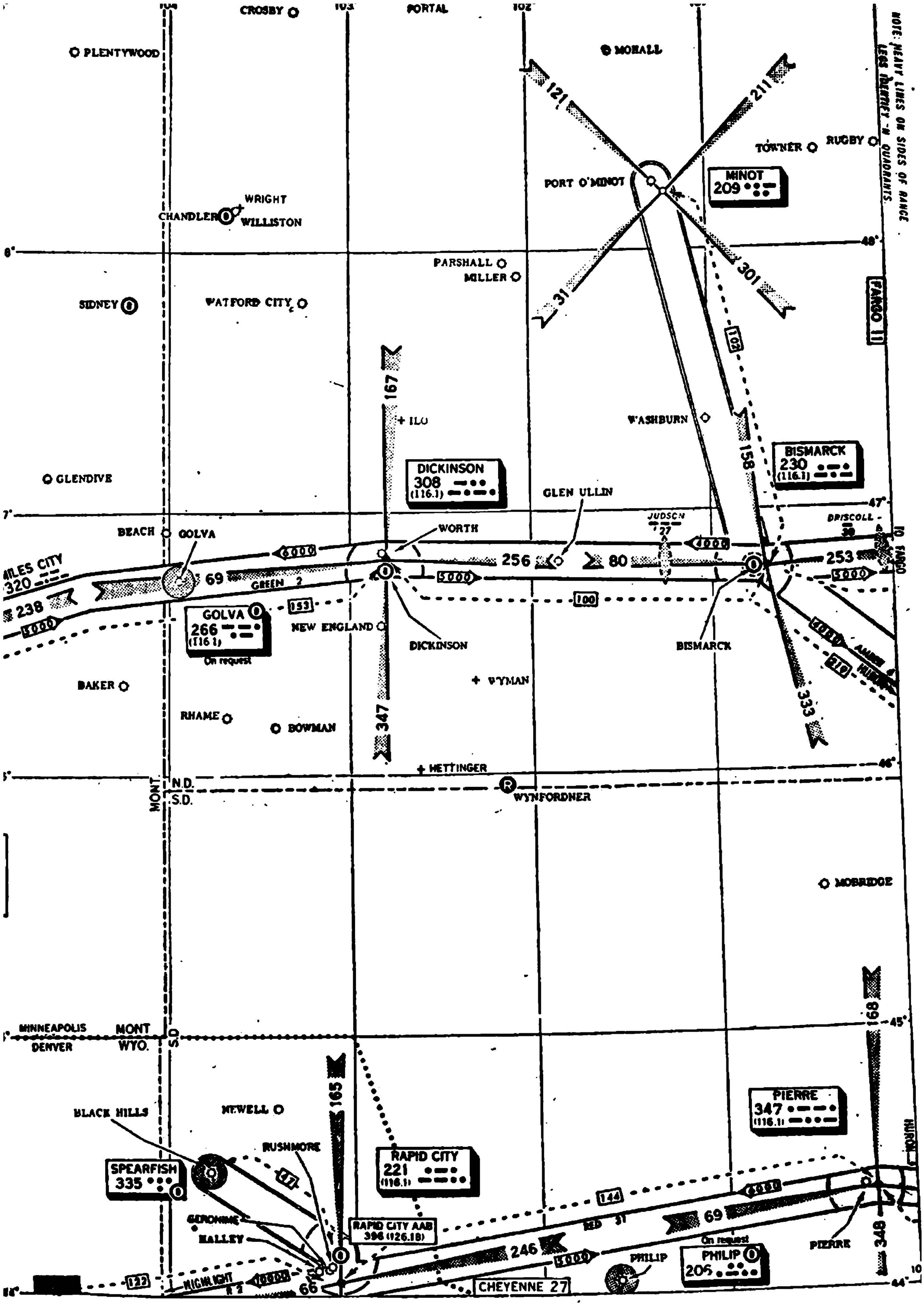
H-Hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X|11) NC-(not charted). → New or revised data.

NORTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dunseith (NC)	1.5 S	1715	26	
★ Glen Ullin Int,53,HL-Twin Cities	1.5 WSW,RR N	2084	29 L3	Poles NE,trees E,SE.
★ Golva Int,43,HL-Twin Cities	1.5 E,hwy W	2781	34 R1 L3	
Ilo (Killdeer)	1.5 SE,hwy N		23 S2	73 oct.Data unver.
Miller (Parshall)	5 SE,RR N	1950	20 S1	80 oct.Pole line N.
Mohall	0.8 WNW,RR E	1650	26 S2	73 oct.Polelines S.
New England	2.4 NE,hwy W	2666	24 S2	73,80 oct.Poleline W
Parshall	1 S,RR N	1970	22	
(P) Port O'Minot(Minot)	1.6 NNE, hwy W	1724	58h R1 L5 S4	80,91 oct.No bcn.Pwr line SW.
Rhame	1.5 SW,RR NE	3150	23 S1	73 oct.Pole line S.
Rugby	2 NNW,RR SW	1542	26 S6	80 oct.
Towner	1.5 NE,RR S	1482	27 S1	80 oct.Poleline N,NW.
★ Washburn Int,4,RK-UI	5.1 N,hwy W	1905	40 L3	Pole line W.
(P) Watford City	1.2 ENE,hwy S	1975	31 S1	73 oct.
Williston	1.1 NNW,hwy E	1861	24 S6	80,91 oct.Obsts N,E,S
Worth(Dickinson)	1.8 SW,riv NW	2455	28 S6	73 oct.Hangar NW.
Wright(Williston)	2 NNE	1876	32h S6	80,91 oct.Data unver.
Wyman (Mott)	1 S,dam N		30 S1	80 oct.Data unver.

SOUTH DAKOTA

(P) Belle Fourche(NC)	8.4 NW,hwy N	3140	50	
BLACK HILLS	4.5 E,hwy S	3900	53 R1 S6	73, 91 oct.(Spearfish)
Geronime(Rapid City)	4.3 ENE,RR S	3200	28 S1	73,91 oct.Poles sur fld
Halley(Rapid City)	1.5 NNE,riv SE	3300	40 S6	73 oct.
(P) Mobridge	1.2 NW,RR SW	1621	31 S4	80 oct.Poleline E,NE
(P) Newell	0.2 N	2825	30 S2	73 oct.Poleline SE,W, N, NW.
Philip,31,CX-HR	3.6 E,RR S	2210	40 R1 L3 S6	80 oct.No sto.Poleline N
→ PIERRE	3.5 NE,riv SE	1742	69h R1 S1	73 oct.
(A) Rapid City AAB(A)	8 NE,RR S	3216	83h R2 L5 S4	73,91,100 oct.JP-1.
Rushmore(Rapid City)	5 ENE,RR S	3150	31 S6	70 oct.
→ Wynfordner(Lemmon)	1.3 NE,RR S			ABANDONED.
Hettinger (N.D.)	1 NNW;RR S		28 S2	80 oct. Pole line N.Data unver.
Portal (N.D.)	0.5 S;hwy E	1970	28	Poles E. .ARPT OF ENTRY.


CROSBY
PORTAL
PLENTYWOOD
MOHALL
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS INDICATE 'N' QUADRANTS.
121
211
TOWNER
RUGBY
PORT O'MINOT
MINOT
209
WRIGHT
CHANDLER
WILLISTON
48°
PARSHALL
MILLER
301
31
SIDNEY
WATFORD CITY
FARGO
102
167
ILO
WASHBURN
158
BISMARCK
230
(116.1)
DICKINSON
308
(116.1)
GLENDIVE
GLEN ULLIN
47°
JUDSON
DRISCOLL
BEACH
GOLVA
WORTH
6000
256
80
253
5000
MILES CITY
320
69
GREEN 2
238
153
100
GOLVA
266
(116.1)
On request
NEW ENGLAND
DICKINSON
BISMARCK
BAKER
WYMAN
333
RHAME
BOWMAN
347
HETTINGER
46°
N.D.
S.D.
MONT.
WYNFORDNER
MOBRIDGE
MINNEAPOLIS
DENVER
MONT
WYO.
50
165
168
45°
PIERRE
347
(116.1)
BLACK HILLS
MT. WELL
RUSHMORE
SPEARFISH
335
RAPID CITY
221
(116.1)
144
69
GERONIMO
HALLEY
RAPID CITY AAB
396 (126.18)
RED 31
246
On request
PHILIP
PHILIP
205
PIERRE
348
HURON
122
HIGHLIGHT
66
CHEYENNE 27
44°

FARGO 11

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS.

R EXTREMELY HAZARDOUS
U USABLE WITH CAUTION

49° 100° 99° N.D. 98° PEMBINA 97° 96° MINN. 95°

ROLLA
LANGDON
CANDO
DEVILS LAKE
HARVEY
NEW ROCKFORD
MOHR
MATHENY
JAMESTOWN
VALLEY CITY
DAWSON
BISMARCK
GRAND FORKS
THIEF RIVER FALLS
CROOKSTON
PARK RAPIDS
DETROIT LAKES
WEST FARGO
WHEATLAND
GREEN 2
BLUE 8
AMBER 4
BISMARCK 10
MINNEAPOLIS 14
ASHLEY
EUREKA
ABERDEEN
BRITTON
LISBON
ABERCROMBIE
HOMESTEAD
STATE SCHOOL OF SCIENCE
FERGUS FALLS
SISSETON
GRACEVILLE
ORTONVILLE
MILBANK
MORRIS
BENSON
APPLETON
WILLMAR
WADENA
ALEXANDRIA
MONTEVIDEO
REDWOOD FALLS
MARSHALL
BROOKINGS
WATERTOWN
W. W. HOWES
HOFER-KANNEGIETER
MILLER
CARTHAGE
SIOUX FALLS
WESTBROOK
MADISON
FLANDREAU
BIEDENFELT
OMAHA 30

PEMBINA 260
ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA
GRAND FORKS 278
JAMESTOWN 344 (116.1)
FARGO 365 (116.1)
FARGO 388 (118.7)
BISMARCK 230
ASHLEY 206
ABERDEEN 329 (116.1)
WATERTOWN 382 (116.1)
ALEXANDRIA 239 (116.1)
WILLMAR 254 (116.1)
HURON 353 (116.1)
PIERRE 347
SIOUX FALLS 245

77 257 170 344 72 170 2000 3000
80 260
165 350 160 68
JAMESTOWN 257 73 253 4000 3000 80 4000 260
345 307 97 GREEN 2 186 120 4000
161 109 289 166 300 9 177
341 76 70 4000 3000 224 113 346 256 98 75 357
RED 31 263 44 90 293 234

On request
AMBER 4
BISMARCK 219
N.D. S.D MINN.
46° 45° 44°

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	239(AE)(116.1)	BMLZ-VDT,186°,2	(4), 116.1
BARNESVILLE FM	(- -)	FM, 127°, 26	Fargo, N.D.
WILLMAR	254(IW)(116.1)	SBMRAZ-VDT,357°,3.5	(4); 116.1
NORTH DAKOTA			
ASHLEY (Int.)	206 (AI)	MHT	(4)
FARGO	365(FO)(116.1)	SBRAZ-VDT	(3); 116.1
Fargo-Hector Arpt	388 (126.7)	C, 260°, 0.9	(4); 126.18, 118.7, 131.9
GRAND FORKS	278 (GF)	BMLZ-DT,350°,3.4	(4)
JAMESTOWN	344 (JM)(116.1)	SBMRAZ-VDT,253°,1 5	(4); 116.1
PEMBINA (Int.)	260 (PB)	SBMRAZ-DT,350°,1.6	(4)
WEST FARGO LFM	(- - -)	LFM, 260°, 5 5	Fargo.
WHEATLAND FM	(. . - - -)	FM, 260°, 25.5	Fargo.
SOUTH DAKOTA			
→ ABERDEEN	329 (AN)(116.1)	SBRAZ-DTV,341°,2.5	(4);116.1
→ HURON (W.W.Howes	353(HR)(116.1)	BMRLZ-DTV,44°,2.7	(4):116.1
→ WATERTOWN	382 (WU)(116.1)	BMRLZ-VDT,256°,2.9	(4):116.1

S-Simul. Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MINNESOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alexandria	1.5 SSW,lk NW	1423	57h R1 L5 S4	80,91 oct.
Appleton	1.9 NNE,riv S	1010	34 S2	80 oct.Poleline S,SE,SW
Benson	2.4 NW	1031	22	Poleline NW.
Crookston	3 NNW,RR N	875	30 S2	80 oct.Obst sur fld.
Detroit Lakes	2.7 W,RR N	1392	35 S2	80 oct.Rnwy data unver.
Fergus Falls	4.3 W,RR N	1160	23 S1	80 oct.Poleline W
Graceville	0.8 WNW,RR S	1110	16	Poleline S.
Madison	1 S, hwy W	1086	31 L3 S6	80 oct.
(P) Marshall	1.5 W,RR NE	1167	35 S4	80 oct.
Montevideo	2.2 NNE,RR W	950	19 S2	80 oct.Poleline W,NW
→ (P) Morris	2.7 WSW,RR N	1134	31 S2	80 oct.Trees,poleline NW
Ortonville	1 ESE,hwy S	1090	21	Hwy W.
Park Rapids	1.7 SSW,RR E	1440	30 S6	80 oct.P-line E.Rnwys unv
Redwood Falls	1.8 NE,riv NE	1025	25 S2	80 oct.Poleline SE,SW.
→ Thief River Falls	3.6 S, riv W	1110	21 S2	80 oct. Trees NW
Wadena	1 E,RR NW	1300	30 S1	80 oct.Poleline S,NW.
Westbrook	1 SE,hwy N	1500	18 S1	80 oct.Poleline W.
Willmar,16,HR-MP	1.5 W,RR E	1130	28 R1 L3 S6	80 oct.
NORTH DAKOTA				
Abercrombie	1.7 SSW,riv E	949	24 S1	80 oct. Poleline E.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Ashley Int,40,OH-RK	1 SE,hwy N	2025	40 R1 L3	
Cando	1.1 SW,RR E	1490	26 S1	80 oct.
★ Dawson Int,63,HL-Twin Cities	1 SW,RR N	1760	34 L2	
Devils Lake	2.5 W,hwy S	1450	43h	Poleline W
(P) FARGO-HECTOR (Fargo)	2.9 NNW,RR SW	899	50h R2 L5 S6	73,80,91,100 oct. JP-1
(P) GRAND FORKS →	2.6 WNW,RR S.E	837	49h R1 L5 S6	73,80,91 oct.ARPT OF ENTRY.
Harvey	1.9 N,RR SW	1605	30 S1	80 oct.
Homestead(Wynd-mere)	6.2 N,hwy W	1100	19 S1	Ltd 73 oct.Trees E,SW.
(P) Jamestown	1.5 NE,hwy S	1493	58h R1 L3 S6	80 oct.
Langdon	1 W	1608	18 S1	80 oct.
Lisbon	0.8 SSW,RR SE	1151	21 S1	73 oct.Polelines N,S.
(P) Matheny (Carrington)	1.3 W,RR N	1580	32 S1	80 oct.Poles NE,NW.
Mohr (Fessenden)	1.5 SW,RR NE	1620	22 S1	80 oct.
New Rockford	1.5 N	1533	30	
★ Pembina Int,14,FO-WG	1 S,RR W	792	28 R1 L3 S4	80,91 oct.Ngt svcg on req ARPT. OF ENTRY.
Rolla	0.7 N,lake S		21 S2	80 oct.Data unver.
St.School of Science (Wahpeton)	0.8 N,RR W	964	30 S6	80 oct.Poleline N;pwrline E.
(P) Valley City, 71,HL-Twin Cities →	1.5 NW,riv NE	1375	38h L1	

AIRPORTS — SOUTH DAKOTA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Aberdeen	2.9 E,RR N	1299	49h R1 L5 S6	73,80,91 oct.
Biedenfelt(Faulkton)	2 S;rd,RR E	1590	26 S1	73 oct.Poles E.
Brookings	2.5 SSE,hwy W	1600	26 S4	80 oct.
Eureka (NC)	6 N, rd W	1895	28	Poles W.
Flandreau	3 S;hwy N,E	1575	27 S1	80 oct.Poles sur fld.
Hofer-Kannegieter (Willow Lake)	1.5 E	1787	22 S2	73 oct.Poleline N.Data unver.
Madison	3.7 ENE,hwyS	1688	26 S2	80 oct.Trees W;pole NW
★ Miller,Int,44,CX-HR	5.6 S,hwy E	1735	37 L2	
Redfield (NC)	1 SSW,RR NE	1300	25	Pole line E.
WATERTOWN	2 NW,RR NE	1736	69h R1 L3 S1	80, 91 oct.
(P) W.W.HOWES(Huron)	1.3 NNW	1287	43h R1 L3 S6	73,80,91 oct.
Britton Mun.(S.D.)	2 NNE,RR W	1350	24 S1	73 oct.Poles W.
Carthage (S.D.)	0.3 S,RR E	1440	22 S4	80 oct..Poles NW,SW.
Eureka Mun.(S.D.)	2.2 NNW,RR E	1910	23 S1	73 oct.
Sisseton Mun.(S.D.)	2.9 ENE,RR S	1210	30 S2	80 oct.
Milbank (S.D.)	3.8 ENE	1150	26 S2	73 oct Pwr line SE,NNE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

RADIO — MINNESOTA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DULUTH (Williamson-Johnson)	221 (DH)	SBRAZ-DT, 130, 3.9	(4)
HAMEL FM	(- - - -)	FM, 298o, 24	Minneapolis
HASTINGS FM	(- -)	FM, 118o, 10.2	Minneapolis
JORDAN-FM	(- - -)	FM, 238o, 26	Minneapolis
LAKE CITY	206 (FE)(116.1)	MHVT	(4); 116.1
MINNEAPOLIS (Wold Chamberlain Field)	266(MP) (116.1)	SBRAZ-VDT, 298o, 3.5	(3);116.1
WOLD CHAMBERLAIN (Minneapolis)	278(126.18) (142.74)+	AC	(4); 116.1,126.18,142.74

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gogebic Co. (Ironwood)	4.5 NNE; RR S	1216	24 S4	80 oct. Soft when wet.

MINNESOTA

Anderson (Cokato)	2.6 ENE,RR S	1020	23 S2	80 oct.Poles S; trees W.
Anoka Flying Service	1.2 SE,riv SW	896	19 S1	80 oct.Poles NE; 629' twr SE.
Baudette	1 N, riv NE		27 S2	80 oct. Data not verified.
(P) Bemidji	3.8 NWW, RR S	1395	57h S4	80, 91 oct. Rnwy data unverified.
Brainerd	1.3 SSE,hwy W	1210	22 S2	Ltd 73 oct.
(A) Camp Ripley (Little Falls)	7.5 N, riv E	1150	52	Tank SE corner (A)
(P) Carleton (Stanton)	0.7 NE,RR W	870	30 S6	80 oct.Polelines sur fld.
Cedar (Minneapolis)	8.5 S, RR W	811	28	
Coleraine	0.8 SSE	1390	25 S1	80 oct.
Ely	1.2 E	1425	24 S2	Poleline W;trees sur fld.
Faribault	1.6 S,hwy W	1060	20 S1	80 oct. Pwr line W.
Fleming (South St. Paul)	1.8 S, riv E	822	15h	
Flying Cloud (Minneapolis)	13.8 SW, riv S	900	28 S1	80 oct. Poles SE, SW
Gervais (Tofte)	1.2 NE,hwy S	800	27 S2	80 oct.
Grand Rapids	1.5 SSE,lake NE	1293	22 S2	80 oct.
Hector	0.7 S, RR N	1100	25 S1	80 oct.Poleline W, NW, SW.
Heywood Gull Lake (Nisswa)	1.7 SSW,lake S	1200	26 S1	80,91 oct.Trees,poles sur fld.
(P) Hibbing	4.5 SE,lake NNW	1367	40h S6	80 oct.
Kenyon	0.8 S,RR E	1240	20 S1	80 oct.Poleline N, NE.
(P) Lake City (Frontenac)	0.5 SE,RR N	775	44 R1 L3 S6	80 oct
Le Sueur	1.1 S,riv W	900	20 S1	80 oct.Poleline SSW. Rolling.
Litchfield	1.2 NE,RR S	1140	24 S1	Ltd 80 oct Trees W.
Littlefork	1.8 WNW,riv E	1153	19 S1	80 oct. Poleline S.
Mankato	1.7 SE,hwy W	996	33 L1 S6	80 oct.Pwrline E, NE.
(P) Monticello	1.3 NNE,road S	940	50 S6	80 oct.
(P) New Ulm	1.8 W; RR N	1000	32 S1	80 oct. Poleline N. Hwy N.
Northport (White Bear Lake)	3.2 E, hwy N	1000	23 S6	80 oct.
Osseo	2 NE	875	30	Data not verified.
(P) Otis Lodge (Grand Rapids)	7.5 SW,lake S	1293	30 S1	80 oct. Poleline E.
Pleasant Corners (Dodge Center)	2 ESE;RR N,W	1050	16 S1	80 oct.Poles S,SE; trees SW.
Princeton	1 W, RR E		20 S1	80 oct. Data not verified.
Robbinsdale	0.8 NW,RR E	879	17 S6	80 oct. Obsts N, S.
St. Paul	1.5 SE,riv E	704	55h L4	
St. Peter	2.4 NNW,riv E	900	23	Poleline S.
Sells Flying Field (Mayer)	0.4 SSE	750	12	(NC)
Taylor Falls	1.5 W,RR S	950	23 S4	80 oct. No sto.
University of Minnesota (New Brighton)	3.8 N, hwy W	909	34 S6	80 oct. Trees E.
Victory (Minneapolis)	9 N, riv E	860	33 S6	80 oct

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Virginia	2 WSW,bet RRs	1429	35 S2	73 oct. Poles N.
Waseca	0.5 S,RR NW	1150	39 S1	80 oct. Poleline N,W, E.
(P) Whitney Memorial (St. Cloud)	1.5 NNW,riv NW	1034	32 L3 S6	80 oct.
(P) WILLIAMSON-JOHNSON (Duluth)	6.5 NNW,hwy S	1428	57h R1 L1 S6	80,91 oct. ARPT OF ENTRY.
Winona	4.5 WNW	670	19 L3 S1	80 oct. Bet. RRs.
(A,N) WOLD CHAMBERLAIN (Minneapolis)	6.5 SSE,hwy S	834	59h R2 L4 S6	87-100 oct. JP-L Rdo rec required.
Wyman (Aitkin)	1.3 N,riv S	1200	8	Poles W.

WISCONSIN

Amery	3.4 NNW,hwy N	1100	26 S1	80 oct Poleline SE.
Arrowhead (Rice Lake)	1.3 SE,lake SE	1147	24 S4	80 oct.Trees SE.Data unverified.
Ashland	2.5 SSE,RR E	700	22 S3	80 oct. Hi-lines NE, SW.
Boyceville	0.5 SSW,hwy N	948	24 S2	80 oct.Obsts sur fld.
Boyd's Mason Lake (Fifield) (NC)	13 WSW,lake NW	1200	26	
Chetek	1.5 SE,RR S	1050	22 S1	80 oct.Trees N,SE,NW; pole S.
Chippewa Falls	2 S,RR NW	910	26 S2	80 oct.Pole line W, NW.
Colby-Abbotsford (Colby)	1.2 NNW,RR E	1400	19 S1	80 oct.
Dallas	0.7 SSE,RR W	1100	22 S1	80 oct.Pole line S.
Eau Claire	1.5 SSE,riv NW	884	40 S6	80 oct. Obsts sur fld.
(P) Eau Claire Municipal	3.5 NNE,riv NW	885	43h	
(P) Hayward	2 NE,RR NW	1200	30 S1	80 oct.
Hudson Flying Service	3.8 E,hwy N,W	850	15	Pwrline N, W.
Jackson Co. (Black River Falls)	2 E, RR W	855	25 S1	80 oct.
Marshfield	2.3 SSW,hwy W	1253	20 S2	80 oct.
Neillsville	5.7 W,hwy SW	1000	21 S1	80 oct. Trees around fld.
Phillips	1.2 N,riv S	1140	30 S2	80,91 oct.Pole line W, S.
Pines (Bloomer)	0.9 E,RR W	1050	16 S1	80 oct. Poles S, W.
Price Lake (Phillips)	12.5 WNW	1140	22 S1	80 oct. Data not verified.
Rice Lake	3.5 NNE,RR W	1150	26 S1	80 oct. Poles sur fld.
(P) Richard Bong (Superior)	2.3 SW,RR E	674	33 S4	80 oct,Pole line SE. 353' twr NW.
Rusk County (Ladysmith)	2.8 SE,RR SW	1150	11 S1	80 oct.
(P) Schlosser (Durand)	2.4 NNW,riv W	800	32 S1	80 oct.
Spooner	5 N	1072	20 S1	80 oct.Data not verified.
Taylor County (Medford)	2 SE	400	19 S2	80 oct.Pole line N; bldg W, NE.
Veterans (Menomonie)	0.4 W,riv W	900	28	
Owatonna (Minn.)	2.7 NW	1138	25 S4	80 oct,Data unver.

Limited seasonal services. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). |—> NEW OR REVISED DATA.

14 MINNEAPOLIS

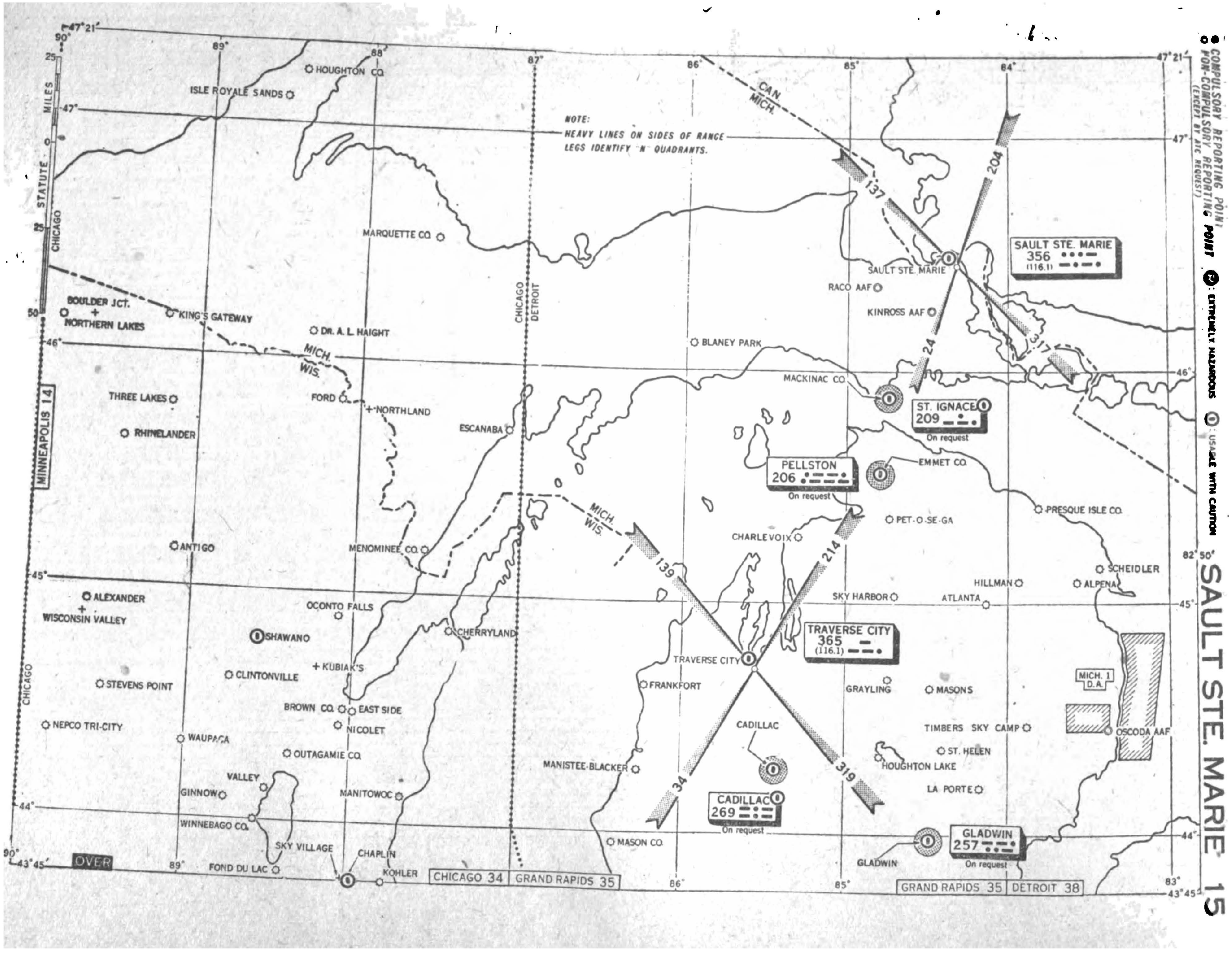
R: EXTREMELY HAZARDOUS O: USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

ALL FACILITIES IN MINNEAPOLIS FLIGHT ADVISORY AREA

BAUDETTE
CAN. MINN.
LITTLE FORK
ELY
FORT WILLIAMS
GERVAIS
BEMIDJI
VIRGINIA
HIBBING
COLERAINE
GRAND RAPIDS
OTIS LODGE
WILLIAMSON-JOHNSON
DULUTH 221
RICHARD BONG
ASHLAND
OCONTO CO.
WYMAN
FARGO 11
HEYWOOD
BRAINERD
CAMP RIPLEY
WHITNEY MEM.
PRINCETON
MONTICELLO
ANOKA
VICTORY
OSSEO
HAMEL
ROBBINSDALE
WILLMAR 254
ALEXANDRIA 239
LITCHFIELD
ANDERSON
RED 31
WOLD-CHAMBERLAIN 278 (142.74, 126.18)
FLYING CLOUD
HECTOR
JORDAN
CEDAR
SIOUX FALLS 245
LE SUEUR
ST. PETER
NEW ULM
CARLETON
FARIBAULT
KENYON
MANKATO
WASECA
OWATONNA
PLEASANT CORNERS
ROCHESTER 236
DES MOINES 31
OVER
HAYWARD
SPOONER
PRICE LAKE
PHILLIPS
RICE LAKE
ARROWHEAD
RUSK CO.
TAYLOR FALLS
AMERY
CHETEK
U. OF MINN.
MINNEAPOLIS 266 (116.1)
DALLAS
PINES
TAYLOR CO.
BOYCEVILLE
NORTHPORT
HUDSON
ST. PAUL
FLEMING
HASTINGS
VETERANS
CHIPPEWA FALLS
EAU CLAIRE MUN.
EAU CLAIRE
COLBY-ABBOTSFORD
LAKE CITY
SCHLOSSER
RED WING
LAKE CITY 206 (116.1)
On request
MARSHFIELD
NEILLSVILLE
JACKSON CO.
WINONA
LA CROSSE 371
WISC. 2 D.A.
SAULT STE. MARIE 15
WISC. MICH.
WISC. MINN.
BLUE 9
GREEN 2
RED 36
R. 5
193
192
191
141
131
118
264
254
298
170
120
236
234
58
300
239
245
278
371
206
266
221
4000
3000
98
94
39
80
10
24
26
13
95°
93°
92°
91°
90°
49°
48°
47°
46°
45°
44°
25
50
STATUTE MILES


47°21'
90°
89°
88°
87°
86°
85°
84°
25
0
25
50
STATUTE MILES
47°
46°
45°
44°
43°45'
CHICAGO
MINNEAPOLIS 14
HOUGHTON CO.
ISLE ROYALE SANDS
MARQUETTE CO.
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
CAN.
MICH.
137
204
SAULT STE. MARIE
356
(116.1)
SAULT STE. MARIE
RACO AAF
KINROSS AAF
24
317
BOULDER JCT.
+
NORTHERN LAKES
KING'S GATEWAY
Dr. A. L. HAIGHT
MICH.
WIS.
CHICAGO
DETROIT
BLANEY PARK
MACKINAC CO.
THREE LAKES
FORD
+NORTHLAND
ESCANABA
RHINELANDER
ST. IGNACE
209
On request
PELLSTON
206
On request
EMMET CO.
PET-O-SE-GA
PRESQUE ISLE CO.
MICH.
WIS.
CHARLEVOIX
ANTIGO
MENOMINEE CO.
139
214
SCHEIDLER
HILLMAN
ALPENA
SKY HARBOR
ATLANTA
ALEXANDER
+
WISCONSIN VALLEY
OCONTO FALLS
CHERRYLAND
SHAWANO
TRAVERSE CITY
365
(116.1)
TRAVERSE CITY
+KUBIAK'S
CLINTONVILLE
STEVENS POINT
FRANKFORT
GRAYLING
MASONS
MICH. 1
D.A.
BROWN CO.
EAST SIDE
NICOLET
NEPCO TRI-CITY
WAUPACA
CADILLAC
TIMBERS SKY CAMP
OSCODA AAF
OUTAGAMIE CO.
ST. HELEN
HOUGHTON LAKE
MANISTEE-BLACKER
VALLEY
GINNOW
MANITOWOC
34
319
LA PORTE
CADILLAC
269
On request
WINNEBAGO CO.
MASON CO.
GLADWIN
257
On request
GLADWIN
SKY VILLAGE
CHAPLIN
FOND DU LAC
KOHLER
OVER
CHICAGO 34 | GRAND RAPIDS 35
GRAND RAPIDS 35 | DETROIT 38
COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
E: EXTREMELY HAZARDOUS
USABLE WITH CAUTION
SAULT STE. MARIE 15

RADIO — MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CADILLAC	269 (KK)	MHT	(4)
GLADWIN	257 (GU)	MHT	(4)
PELLSTON (Emmet County)	206 (PJ)	MHT	(4) (6-22)
ST. IGNACE (Mackinac Co.)	209 (EG)	MHT	(4)
SAULT STE. MARIE	356 (VC)(116.1)	SBMRAZ-VDT,317°,2.2	(4), 116.1
TRAVERSE CITY	365 (TG)(116.1)	SBMRAZ-VDT,319°,2.2	(4), 116.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

* S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105 4495 6210 kcs (4)-3105 4495 6210 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alger County (Munising)(NC)	4 SSE,hwy E	850	24	Twr N; woods all sides.
Alpena	6.5 WNW;RR S	685	50h	
Amasa (NC)	4 NW	1560	14	Not maintained.
Atlanta	0.8 ESE	875	20	Trees N, NW, W.
Au Gres (NC)	0.9 NNW,hwy S	590	20	Poles NE,SW.
Baldwin (NC)	1.3 SSE,RR W	835	25	
(P) Beaver Island (St. James) (NC)	4.2 SSW	620	35	
(P) Bellaire (NC)	1 NE,RR W,S	614	30	Poles SE;trees surround fld.
Big Lake (NC)	7.3 SW Baraga	1100	20	Trees on all sides.
Blaney Park	0.5 NW;lake N	850	18 S1	80, 100 oct
(P) Cadillac, 23, TL-VC	2.5 NW,RR E	1297	34 R1 L3 S6	80 oct.
Calvin Campbell Mun. (NC) (Indian River)	0.8 SE;RR,hwy W	602	20	Pole line N,trees E,W,S
→ Charlevoix	0.8 SW,lake NW	642	30 S2	80 oct. Poles W,NW,E
Doherty (Clare) (NC)	1 NE	840	21	Poles S, NE corner rough.
D.A.R. (Rexton) (NC)	1.9 WSW,RR N	900	22	Poles N.
(P) Dr. A. L. Haight (Crystal Falls)	0.3 ENE,lake E	1390	34 S4	80 oct Trees, bldgs W
East Jordan (NC)	1.9 SSE,riv W	640	26	Trees E, W.
→ (P) Emmet County (Pellston)	0.6 NW,RR E	707	54h R1 L3 S1	80,91 oct. Lgts on req.
Escanaba	2 SSW,hwy E	594	26 S4	73,80 oct.Trees E.
Ford (Iron Mountain)	2.5 W,riv W	1140	23 S6	80,91,100 oct.
Frankfort	1.9 ESE,lake W	650	29 S1	73,80 oct. Sur.by hills.
(P) Gladwin	0.5 SSE,riv W	780	35 R1 L3 S1	80 oct. Poles NW.
Grayling	1.3 NW,RR W	1152	50h	
Harrison (NC)	2.3 NNW,hwy E	1100	22	Surrounded by trees.
Hillman	2.8 NW	995	20 S1	Ltd 73 oct.Woods all sides.
Houghton Co. (Calumet)	2 SE,RR W	1200	26 S4	80 oct. Twrs, poles W
Houghton Lake (Houghton Heights)	1.2 WNW,lake NNE	1150	27 S2	73,80 oct.Radio twr W,N, lgtd.
Isle Royale Sands (Houghton)	2 ESE,lake SW	605	22 S4	80 oct.
Ishpeming-Dexter (NC)	7 W,RR N,S	1570	25	Poles N.
Kalkaska (NC)	0.5 WNW,RR E	1020	26	
→ (A) Kinross (A)	2.5 SE	780	55h	TMP INACT NO FACS(See Spl
La Porte (West Branch)	6 SE,RR W	890	26	Pole line NW; trees NE, SW. Not.
Luce County (Newberry) (NC)	4.1 SE,hwy S	872	20h	Poles S, trees W.
Mackinac Co. (St. Ignace)	2 NNW,hwy E	600	26 R1 S2	80, 91 oct.
Mackinaw City (NC)	5 S,RR W	700	22	
→ Manistee-Blacker	4 ENE,riv S	613	23 S4	80 oct.
→ Marenisco (NC)	1.6 E,hwy N	1551	20	ENE,WSW blocked
→ Marquette County	7.9 W,hwy S	1412	27 S2	80 oct.
Mason County (Ludington)	1.7 ENE	640	30	Poles S.

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Menominee County	5 NNE,bay E	590	27 S1	80 oct. Trees sur fld.
Mio (NC)	1.6 N,hwy W	1050	26	
Northland (Norway)	2 W	1060	33 S3	80,100 oct. Pole line N.
Norway Township (Loretto)	2.4 S,lake N	860	21	Trees on side strips. (NC)
Onaway (NC)	0.6 NNE,RR S	770	24	Trees SW,NW,SE.
(A) Oscoda AAF (A)	3.5 NW,lake E	605	50h	TMP INACT NO FACS(See Spl Not.
Otsego County (Gaylord) (NC)	1 SW,RR E	1384	30	Pole line NE.
Pet-O-Se-Ga (Wildwood)	1.8 NW,lake NW	620	20 S2	80 oct.
Petoskey-Harbor Springs (Petoskey) (NC)	4.5 NE,hwy E,N	620	20	Pole line,ridges E, N.
Poschke's (Harbor Beach)(NC)	2.5 W,rd S	670	18	
Presque Isle (Rogers City)	0.7 SSE,hwy E	658	26 S2	No fuel.
Prickett (Sidnaw) (NC)	0.5 N,RR SE	1300	18	Use caution.
(A) Raco AAF (A)	4 WSW,RR N	910	55h	TMP INACT NO FACS(See Spl Not.
Roscommon (NC)	2.5 SE,RR NE	1100	42	Pole line S.
Roscommon Co.(Prudenville)	4.5 N,riv N	1150	24	Trees sur fld. (NC)
St. Helens	0.9 SE,RR NE	1153	26	
(P) Sault Ste Marie	1 SSW,hwy E	706	36 R1 L3 S4	80,91 oct.All lgts prior req.ARPT OF ENTRY.
→ Scheidler (Alpena)	6.3 N,hwy NW	590	22 S4	80 oct.Pole lines N, SW.
(P) Schoolcraft Co.(Manistique)	3.3 ENE,lake S	678	31	Approaches 5:1. (NC)
Sky Harbor (Gaylord)	1 WNW,RR N	1355	26 S1	73,80 oct.Pole line S.
Steuben (Manistique) (NC)	20 NW	850	18	Woods all sides.
Timbers Sky Camp (South Branch)	0.2 NE,riv E	950	24 S1	80 oct.
(P) Traverse City	2.1 SE,RR NE	624	52h R1 L5 S6	80,100 oct. No sto.
Watersmeet (NC)	1.5 NNE,RR SSE	1581	24	Poles SE.
[redacted]				
Alexander (Wausau)	2.5 S,riv SW	1191	27 L4 S4	73,80 oct. Lgts prior req.
(P) Antigo	2 ENE,hwy N	1483	33 S2	80, 91 oct.
Arbor-Vitae (NC)	2.9 W,RR S	1600	22	Pole line E, N.
Boulder Junction	1.5 NW		38 S1	80,91 oct.Data unverified.
Brown County (Green Bay)	2.2 WSW,hwy SE	590	28 S6	80,91 oct.Pole line NE,SE,S.
Chaplin Arpk (Plymouth)	0.5 N,RR W		22 S2	80 oct. Data unver.
(P) Cherryland (Sturgeon Bay)	2 WNW,bay E	590	40 S2	80 oct.Pole line W,S.
(P) Clintonville	1 ESE,RR SW	828	34 S6	91,80 oct.No sto. Pole line SW.
Eagle River (NC)	1.3 NW,riv NW	1675	32	
East Side (Green Bay)	1.8 SE,RR S	600	19 S1	80 oct. Pwr line N,NE,NW.
Fond du Lac	2.6 ENE,lk NNW	769	26 S2	80 oct. 50' hi-line N.
Ginnow (Omro)	3 N,RR E	800	19 S2	80 oct. Trees SW.
King's Gateway (Land O' Lakes)	0.5 SSE,RR W	1736	31 S2	80 oct. Twr NE; pole line NW.
(P) Kohler	1 N,hwy S	647	30 L1 S6	80 oct. Obst sur fld.
Manitowoc	1.6 NNW,RR W	653	26 L3 S4	80 oct. No bcn. Obsts sur fld.
Merrill (NC)	1.2 NNW	1285	22	Pole line NE.
(P) Nepco Tri City (Wisconsin Rapids)	2.5 SSW,riv W	950	36 L2 S6	80 oct. Lgts on req.
Nicolet (De Pere)	1.5 S,RR E	620	22 S4	80 oct.Pole line E,W.Data unver.
(P) Northern Lakes (Manitowish)	6.8 E,hwy N	1600	35 S1	80 oct. Trees E,W.
Oconto Falls	2.7 ENE,RR S	600	20 S1	80 oct. Pole line N.
Outagamie Co.(Appleton)	2.2 ENE,RR S	750	29 S2	80 oct. Obsts sur fld.
(P) Rhinelander	2 W,riv SE	1598	37 S2	80 oct. 10' bank NE.
Shawano	2.3 ENE,lk NE	813	40 S2	80,91 oct.Poles SW.Rnwy data unver
Sky Village (Plymouth)	1.8 WNW	900	18 S1	80 oct. Data unver.
(P) Stevens Point	3 NE,riv SE	1090	40h S6	73,80 oct.
Three Lakes	0.5 S	1664	23	Bldgs, trees around fld.
Tomahawk (NC)	0.5 WNW	1450	15	
Valley Airways (Neenah)	4 SSW,RR E	750	21 S2	80 oct.P-line E. Data unver.
Washington Island (NC)	0.6 NNE of Detroit Harbor	600	24	
Waupaca	4 ESE,riv N,E	853	25 S1	80 oct.Trees around fld.
(P) Winnebago Co. (Oshkosh)	2 SSW,RR NE	776	50h L1 S4	80 oct.No sto.P-line NE,N,W.Rnwy
Wisconsin Valley Inc.(Wausau)	7 S		34 S2	83 oct.Data unver. data unver
→ Kubiak's (Pulaski,Wisc)	1.2 E	781	26 S4	Data unver.
(P) Masons (Grayling,Mich)	12 ESE;riv N	1000	40 S1	91 oct.

RADIO

MAINE

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA	221(AW)(116.1)	BMRLZ-VDT;81°,2	(4); 116.1
BANGOR (Dow)	239(BB)(116.1)	SBRAZ-VDT;172°,2.1	(3); 116.1
DOW (Bangor)	278 (126.18)+	AC (ILS)	(4);118.7,131.9,126.18
EAST CORINTH FM	(- - - -)	FM, 352°, 13.5	Bangor.
HOULTON	272(HJ)(116.1)	BMRLZ-VDT,195°,3.1	(4); 116.1
LIMESTONE FM	(-)	FM, 57°, 22.3	Presque Isle
MILLINOCKET	344(MT)(116.1)	SBRAZ-VDT;292°,1.6	(4); 116.1
PRESQUE ISLE	388 (ZQ)	SBRAZ-DT	(4)
Presque Isle AAF	278 (126.18) +	AC(ILS);189°,3.4	(4);338,365;116.1,140.1,131.9,
Presque Isle AAF	365 (RU)	SBMLZ; 9°, 3.8	(4) 126.18.

NEW YORK

→ MASSENA	108.7(ME)	VARW	

VERMONT

BURLINGTON	323(JG)(116.1)	SBRAZ-VDT	(3); 116.1
Burlington Airport	278	C; 151°,2.8	(4)
GRANDE ISLE FM	(- - - -)	FM, 349°, 15	Burlington
HUNTINGTON FM	(- - -)	FM, 151°, 17	Burlington
MONTPELIER (Barre-Montpelier)	257 (UV)(116.1)	BMRLZ-VDT;230°,2.8	(4); 116.1
VERGENNES FM	(- - -)	FM, 210°, 25.4	Burlington

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Dow, Maine (L6)	109.9		150°Mag.	IM- ·····(.06)	MM- ·-·-(.89)	OM- --(4.80)
					MMK-	OMK-
Presque Isle AAF Maine	109.9		10°Mag.	IM- ·····(.05)	MM- ·-·-(1.00)	OM- --(5.00)
					MMK- 201 (1.00)	OMK- 219 (5.00)
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A C S transmits on and guards 116 1, 137.88, 140.58 mcs.

AIRPORTS

MAINE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
AUGUSTA	1.5 WNW,hwy S	354	34h R1 L5 S6	80,91 oct. Fld lgts prior req.
Andover (NC)	2.5 S,hwy E	675	14	1125' hill, pole E.
Bar Harbor	9 NW,hwy W	87	45h S6	80 oct.
Bethel	1.6 NW,RR E	660	20 S1	80 oct.
Belfast	1 SW,hwy E	160	40h S4	80 oct. No sto.
Bishop (LaGrange)	0.8 N,RR W	360	2C	WSW,ENE blocked.
Caribou	1 NW,hwy E	623	35h S6	80 oct. No sto. Bldg E. ARPT OF ENTRY.
Deblois Flight Strip	2 SE,riv W,N	219	40h	
(P) Dexter	3 ESE,rd W,S	485	30h S2	80 oct.
Doanes (Brewer)	1.6 S,RR W	100	15 S5	30 oct. Poles NNE; trees SE.
(A) DOW (Bangor)(A)	2 W,RR S	160	70h R3(L6)S4	100 oct.
Eastport	1.5 WNW,hwy NE	70	28h S1	80 oct. Pole line NW.
Fryeburg Arpk	1.3 E,RR S	400	20 S2	80 oct. Pole line S.
Greenlaw (Auburn)	1.8 W,hwy S	238	14 S6	80 oct. Bldg S.
Greenville	2 ENE	1750	30h L3 S1	80 oct.
Guertin (Lewiston)	1 NE	220	12 S2	87 oct. Trees, poles SSW.
(A) HOULTON AAF (A)	2.5 E	474	57h R1	CLOSED
LEWISTON-AUBURN (Auburn)	4.5 SW,RR W	290	45h L5 S4	80,91 oct.
Maheux (Minot)	3.5 NNW,hwy NE	720	21 S6	80 oct. Trees SSE.
Millinocket	0.5 SE,hwy W	404	50h R1 L5 S1	91 oct. Fld lgts prior req.
Newport	1.5 ESE,hwy N	280	21 S1	Ltd 80 oct. Pole line N.
Norridgewock	3.7 W,riv NE,W	270	40h	Trees ENE.
Norway	1 N,RR S	387	18 S1	80 oct. Pole line SE.
Old Town	1.8 NNW,riv N	109	40h L3 S5	80 oct.
Pittsfield	0.7 SSE,hwy E	190	40h S6	80 oct. Sand pile, bldg E.
Pittston	1.8 ENE,RR W	140	18	NW,SW,S blocked.
(A) PRESQUE ISLE AAF (A)	1.5 WNW,RR E	529	68h R3 L6 S6	91,100 oct. No sto. ARPT OF ENTRY.
Princeton	1.5 SSE,hwy NE	250	40h	
Rangeley	1.6 NNW,hwy S	1810	15	
Raymond's (Phillips)	0.8 S,riv E	556	22 S1	80 oct. Rnwy info. unver.
Rockland	3 SSE,rd NE	49	45h L5 S6	80,91 oct. No sto.
Rollins (Turner)	2.5 NNW,rd E	335	20 S6	80 oct.
Roy L. Fernald (Winterport)	3 WNW,hwy S	182	40h L3 S1	80 oct. Lgts prior req.
Tomlinson (Skowhegan)	1 NNE,riv S	240	21 S6	80 oct. Poles S,NW.
Waterville	1.8 SW,riv E	303	40h L5 S6	80,91 oct. Fld lgts prior req.
Weston (Madison) (NC)	1 N,riv W	300	19	Poles WSW.

NEW HAMPSHIRE

Berlin	7.5 N,riv W	1140	52h S3	80,91 oct. No sto.
Dean Memorial (Haverhill)	4.1 NE,RR W	570	21 S1	80 oct. Trees N,NW. Rnwy data unver.
Lancaster Arpk.	0.3 N,riv W		20 S1	80 oct. Data unver.
Lewis (Littleton)	2.5 E,RR S	900	18 S6	80 oct. No sto.
Twin Mountain	0.8 SW,RR N	1430	18 S1	80 oct.
Whitefield	3 ESE,RR N	1030	24 S1	73 oct.
White Mountain (No. Conway)	1.9 SSE	540	23 S4	80 oct. Trees W, NW.

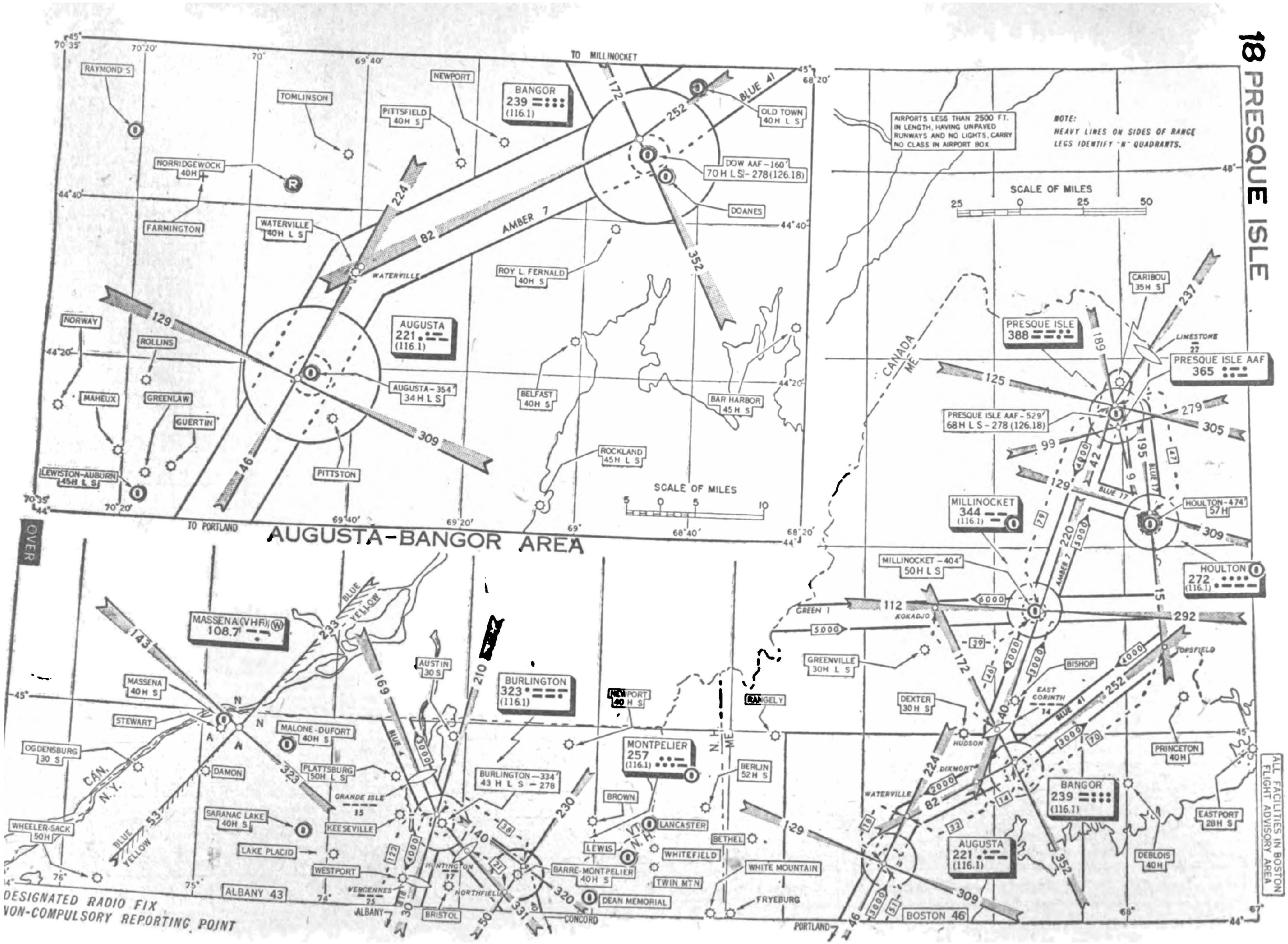
NEW YORK

Bradley (Watertown) (NC)	2.2 N,RR E,W	435	18	Rough. Pole line W,SW.
Damon (Potsdam)	1.5 E,riv,RR W	460	19 S1	80 oct. Pole line N.
Keeseville	1.4 S,riv W	490	20	Pole W.
Lake Placid	2 SE,RR NW	1750	21 S1	80 oct.
(P) Malone-Dufort	2 W,RR N	790	40h S1	80 oct. ARPT OF ENTRY.
Marcy (Keene) (NC)	2.5 S,hwy E	1000	18	Mtn N,S.
(P) Massena	2.2 E,riv SE	200	40h L1 S6	80 oct. Bcn on req. Trees WSW ARPT OF ENTRY.
(P) Ogdensburg	1.5 SE,RR W	285	30 S6	80 oct. ARPT OF ENTRY.
(P) Plattsburg, mun.	3.4 WSW,riv W	375	50h L5 S1	80, 91 oct.
(P) Saranac Lake	5.3 NW,RR NW	1855	40 L1 S1	80 oct. Bcn on prior req.
Stewart (Massena)	2.1 SE,RR NE	210	20	
Tupper Lake (NC)	1 E,RR NW	1680	8	Use strips only.
Westport	2 S,RR W	285	22 S2	80 oct.
Wheeler-Sack(Great Bend)	1 NNW,riv S	680	50h	

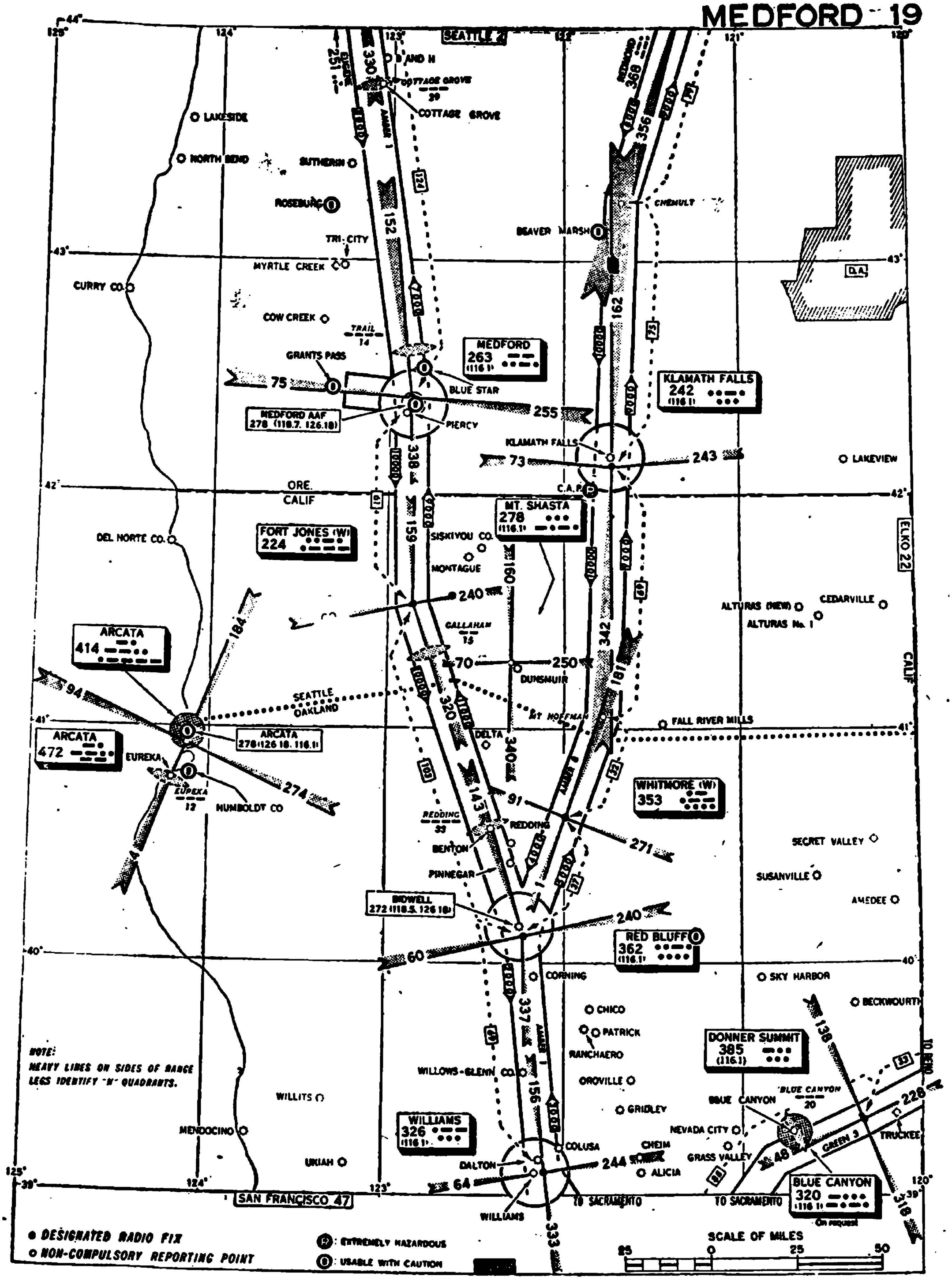
VERMONT

Austin (Swanton)	1.7 NE,RR W	235	30 L S6	80 oct. No sto. Port rnwy lgts. ARPT OF ENTRY.
BARRE-MONTPELIER(Berlin)	0.8 SE	1149	40h R1 L5 S2	80,91 oct.
Bristol	0.7 W,riv SE	570	22 L S6	80 oct. Port rnwy lgts. 1680' mtn SE.
BURLINGTON	3 E,Lake N	334	43h R2 L5 S6	80,91 oct. ARPT OF ENTRY.
Newport	3 SSW,RR E	930	40h L2 S1	Ltd 80 oct. All lgts prior req.
Brown (St. Johnsbury,Vt.)	5.2 N; RR E	807	23 S2	80 oct. Hills W, SW.

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA


AUGUSTA-BANGOR AREA
TO MILLINOCKET
TO PORTLAND
OVER
ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
SCALE OF MILES
RAYMOND'S
TOMLINSON
NEWPORT
PITTSFIELD 40H S
BANGOR 239 (116.1)
OLD TOWN 40H L S
DOW AAF – 160' 70H L S – 278 (126.18)
DOANES
NORRIDGEWOCK 40H
FARMINGTON
WATERVILLE 40H L S
ROY L. FERNALD 40H S
AUGUSTA 221 (116.1)
AUGUSTA – 354' 34H L S
NORWAY
ROLLINS
MAHEUX
GREENLAW
GUERTIN
LEWISTON-AUBURN 45H L S
PITTSTON
BELFAST 40H S
BAR HARBOR 45H S
ROCKLAND 45H L S
MASSENA (VHF) 108.7
MASSENA 40H S
STEWART
OGDENSBURG 30 S
DAMON
MALONE-DUFORT 40H S
PLATTSBURG 50H L S
SARANAC LAKE 40H S
KEESEVILLE
LAKE PLACID
WESTPORT
WHEELER-SACK 50H
ALBANY 43
AUSTIN 30 S
BURLINGTON 323 (116.1)
BURLINGTON – 334' 43 H L S – 278
MONTPELIER 257 (116.1)
BROWN
LANCASTER
LEWIS
BARRE-MONTPELIER 40H S
DEAN MEMORIAL
BERLIN 52 H S
BETHEL
WHITEFIELD
TWIN MTN
WHITE MOUNTAIN
FRYEBURG
CONCORD
BRISTOL
PORTLAND
BOSTON 46
CARIBOU 35H S
PRESQUE ISLE 388
LIMESTONE
PRESQUE ISLE AAF 365
PRESQUE ISLE AAF – 529' 68H L S – 278 (126.18)
MILLINOCKET 344 (116.1)
MILLINOCKET – 404' 50H L S
HOULTON – 474' 57H
HOULTON 272 (116.1)
GREENVILLE 30H L S
KOKADJO
BISHOP
DEXTER 30 H S
HUDSON
EAST CORINTH
DIXMONT
PRINCETON 40H
EASTPORT 28H S
DEBLOIS 40H
CANADA ME
N.H.
VT.
N.Y.
CAN.

MEDFORD 19


SEATTLE 2
AND H
COTTAGE GROVE
39
COTTAGE GROVE
LAKESIDE
NORTH BEND
SUTHERLIN
ROSEBURG
TRI-CITY
MYRTLE CREEK
CURRY CO.
COW CREEK
TRAIL
14
GRANTS PASS
75
MEDFORD
263
(116.1)
BLUE STAR
MEDFORD AAF
278 (116.7, 126.18)
PIERCY
255
KLAMATH FALLS
242
(116.1)
KLAMATH FALLS
73
243
LAKEVIEW
ORE.
CALIF
C.A.P.
MT. SHASTA
278
(116.1)
FORT JONES (W)
224
SISKIYOU CO.
MONTAGUE
DEL NORTE CO.
240
GALLAHAN
15
ARCATA
414
70
250
DUNSMUIR
342
ALTURAS (NEW)
CEDARVILLE
ALTURAS No. 1
94
SEATTLE
OAKLAND
MT HOFFMAN
FALL RIVER MILLS
ARCATA
472
ARCATA
278 (126.18, 116.1)
EUREKA
EUREKA
12
HUMBOLDT CO
274
DELTA
320
340
181
WHITMORE (W)
353
REDDING
33
REDDING
91
271
BENTON
PINNEGAR
BIDWELL
272 (118.5, 126.1)
240
SECRET VALLEY
SUSANVILLE
AMEDEE
RED BLUFF
362
(116.1)
60
CORNING
SKY HARBOR
CHICO
PATRICK
RANCHAERO
DONNER SUMMIT
385
(116.1)
BECKWOURTH
WILLOWS-GLENN CO.
OROVILLE
BLUE CANYON
20
BLUE CANYON
GRIDLEY
NEVADA CITY
GRASS VALLEY
ALICIA
CHEIM
COLUSA
DALTON
244
64
WILLIAMS
326
(116.1)
WILLITS
MENDOCINO
UKIAH
SAN FRANCISCO 47
TO SACRAMENTO
TO SACRAMENTO
BLUE CANYON
320
(116.1)
On request
TRUCKEE
GREEN 3
228
138
318
TO RENO
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(P): EXTREMELY HAZARDOUS
(D): USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCATA (UAL)	472 (NZM)	MRL	(3)
Arcata Airport	278 (116.1,126.18)	CI (ILS); 4°, 3	(3) 116.1,126.18 (8-17)
Arcata (H fac) (UAL)	414 (NZ1)	H; 310°, .15	(4) Z marker 200' from SE end Rnwy 31.
BIDWELL (Red Bluff)	272 (118.5,126.18)	C	(4);126.18,131.9 (6-22)
BLUE CANYON	320 (BC)(116.1)	MHVT	(4):116.1
BLUE CANYON FM	(- - -)	FM, 228°, 19.5	Donner Summit
CALLAHAN FM	(- -)	FM, 140°, 15.1	Ft. Jones
DONNER SUMMIT	385 (DS) (116.1)	BMRL-VDT	(4):116.1
EUREKA FM	(- - -)	FM, 184°, 11.7	Arcata
FORT JONES	224 (FJ)	SRAWZ	
MT. SHASTA	278(SC)(116.1)	BMLZ-VDT, 116°,2.2	(4); 116.1
RED BLUFF (Bidwell)	362(FH)(116.1)	SBRAZ-VDT,323°,2.5	(4); 116.1
REDDING FM	(- - - -)	FM, 323°, 33.2	Red Bluff
WHITMORE	353 (AWH)	MRLWZ	
WILLIAMS (Int.)	326(WS)(116.1)	SBMRAZ-VDT,244°, 2.2	(4); 116.1

OREGON

COTTAGE GROVE FM	(- - -)	FM, 150°, 29	Eugene
KLAMATH FALLS	242 (FS)(116.1)	SBRAZ-VDT;342°,2.7	(4); 116.1
MEDFORD	263(MF)(116.1)	SBRAZ-VDT	(3); 116.1
Medford AAF	278 (126.18,118.7)+	AC; 158°, 2.4	(4); 126.18,131.9,118.7
TRAIL FM	(- - - -)	FM, 332°, 14	Medford

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Arcata,Calif.	109.5	332.6	312° Mag.	IM- (.14)	MM- ..... (.66)	OM- -- (4.5)
					MMK-	OMK- 404
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 31173 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Alicia (Marysville)	3.2 SSE,RR W,E	63	60h L5 S6	80,91 oct.; 100 oct. on req.
(P) Alturas (new)	6.8 WNW,riv S	5034	63h	
Alturas #1	1 W,RR S	4391	28 S6	80 oct.
Amedee Flight Strip (Amedee)	4 SE,RR N	4007	70h	
Arcata	7.6 NNW	217	60h R3	
Ash Creek, USFS (McCloud)(NC)	11.2 ENE	3850	30	Closed Dec-May. Trees SE,NW.
Beckwourth	0.8 ENE,RR S	4900	26 S6	73 oct.
Benton Airpark (Redding)	1.1 WSW,riv E	719	25 L3 S4	80, 91 oct.
BIDWELL (Red Bluff)	1.7 SSW,RR E	354	40h R2 L5 S4	80,91,100 oct.
* Blue Canyon Int,13,SF-SL	1.1 NNE,RR S	5280	34 R1 L3	Obsts N, E. RR E.
Cedarville	0.6 S,lake E	4260	26 S2	80 oct. Pwr line E.
Cheim (Marysville)	1.5 NE,hwy S	67	30 S6	80,91 oct. No sto. Levee N, NE.
Chester, USFS (NC)	1.5 SSW,RR N	4525	31	18' pole line W.
(A) Chico AAF (A)	5 N,rd E	237	67h	CLOSED
Colusa	1.2 SW,RR W	47	29 S4	80 oct. Pole line NNW.
Corning	1.3 NE,RR W	300	30 L1 S2	80 oct.
Dalton Com. (Williams)	1 ENE,RR SW	80	30 S2	80 oct. Pwr line S.
(P) Del Norte Co. (Crescent City)	2.5 NW	57	50h	
* Delta Int, 22, SF-SA	1 SW,RR,hwy N	1320	18 L3	800-1000' mtns E, W.
Dunsmuir,25B, SF-SA	4.5 N,RR W	3240	30 R1 L3 S2	80,91 oct. Poles E,N, lgtd.
Eureka	2 W,bay E	20	24h	
(P) Fall River Mills	1 N,riv E	3300	26	

CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Fort Jones (NC)	1.5 W,riv SW	2745	30	Pole line NW.
Gasquet (Crescent City) (NC)	13 ENE,hwy S	390	25	Hazardous-bad approach. USFS
Grass Valley	0.8 W,hwy N	2600	18 S1	Ltd 80 oct. Trees sur fld. P-line NE
Gravelly Valley, USFS (Upper Lake) (NC)	20 N, lake S	2000	49	Road crosses NE/SW strip.
Gridley	0.7 ENE,RR W	97	26 S6	80,91 oct. Pole line N,S.
Hayfork, USFS (NC)	1.2 E,rd N	2350	23	Pole line W, mts E.
Humboldt County (Eureka)	3.4 ENE,RR SW	10	19 S4	80 oct. Poles NW.
Mendocino (Little River)	2.5 SE	572	53h	
Montague	1 W,RR N	2520	32 L1 S4	80, 91 oct.
Nevada City	1.5 NW,rd S	3060	26 S4	80 oct.
Oroville	3 SW,riv E	199	60h L5 S1	80,91 oct. Port rnwy lgts prior req.
Patrick (Chico)	2 SSE,RR E	189	34 S6	80,91 oct. Poles N.
Pinnegar (Anderson)	1 S,canal E	435	23 S1	73 oct.
Ranchaero (Chico)	2.2 WSW,riv W	170	22 S4	80, 91 oct. Hwy NE.
Ravendale (NC)	0.2 N,RR W	5260	18	
Redding	7.5 SE,riv S	500	61h L3 S1	
Round Valley (Covelo)(NC)	0.8 SW,hwy E	1385	30	
* Secret Valley Int,52,RV-ND	3.6 ESE Karlo	4435	50	Day use only.
(P) Siskiyou Co. (Montague)	4.3 NE,RR W	2647	73h L5	
Sky Harbor (Quincy)	2.5 E,RR N	3400	28 S2	73 oct. Poles S.
Susanville	6.5 SE,hwy SW	4150	32 S6	73 oct. Pwr line N.
* Truckee Int,16B, SF-SL	3.6 ENE,RR S	5820	34 L3	Snow Dec.-April.
(P) Ukiah	1 S,RR E	612	40h L5 S4	80 oct. No sto.
Weaverville, USFS (NC)	1 SSE,hwy E	2040	22	30' poles S.
* Williams Int,9, SF-SA	4 S, RR E	120	42 R1 L3	
Willits	1.3 ENE,RR W	1356	20 S1	80 oct. Trees E. Pole line W.
Willows-Glenn Co.	1.3 WSW,RR E	130	45h L1	

OREGON

* Beaver Marsh Int,73,RV-ND		4630	54 L3	6.2 SSW Chemult
Blue Star Arpk. (Eagle Point)	4.5 N,hwy E		20 S2	Data unver.
Civil Air Patrol (Worden)	1 S,RR NW	4080	37 S6	80 oct. No sto. Pwr line NNE.
* Cow Creek Int,37B,SF-SA	2.5 ENE Glendale	1429	23 L3	Creek S.
(P) Curry Co. (Denmark)	3.8 WSW	214	51h L5	All lgts prior req.
Illinois Valley Landing Field (Cave Junction) (NC)	4.3 SSW,river 1 E	1350	43	Trees NNE. USFS
Klamath Falls	4.9 SSE,RR NE	4085	71h R1 L5 S1	80, 91, 100 oct.
Lakeside	0.25 NE,hwy W	20	30	Pole line S.
Lakeview	3.5 SW,RR E	4728	53h	
(A,N) MEDFORD AAF	3.2 N,RR E	1329	54h R2 L5 S4	80,91,100 oct. Pole line NE
* Myrtle Creek,Int,39A,SF-SA	4 SW,riv,RR W	640	25 L3	Hill N.
(P) North Bend	1.2 WNW,bay NE	17	50h	
Piercy (Medford)	2.6 NW,RR E	1325	20 S4	80 oct. No sto. Poles SE.
* Roseburg Int,41A,SF-SA	2.4 NNW,RR E	500	38 S6	80,91 oct. No sto.
Sutherlin Sky Ranch	3.8 ENE,rd E,S	575	18 S1	80 oct.
Tri-City (Riddle)	3.5 NE,RR N,W	700	19	Pole line N,S. Cattle on fld.
B & H (Creswell,Ore.)	3.3 SSW;RR E	620	16 S6	80 oct. Trees NNE
Cottage Grove (Ore.)	1.9 S;riv S	640	22 S1	80 oct.
Grants Pass (Ore.)	1.6 N;RR W	1050	26 S5	80 oct. Poles, trees N.

ELKO

RADIO AIDS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOISE (Gowen)	350 (BE)	SBRAZ-DT,110°2.5	(3)
→ EAGLE FM	(- - - -)	FM,301°,11.5	Boise
GOWEN (Boise)	278(126.18) (118.3)	AC	(4);131.9,126.18,118.3
MOUNTAIN HOME FM	(- -)	FM, 110°, 41	Boise
NEVADA			
BATTLE MTN.	281(BP)(116.1)	BMRLZ-VDT, 301°, 5.5	(4), 116.1
CARLIN FM	(- - -)	FM, 230°, 19	Elko
DEETH FM	(-)	FM, 39°, 30.5	Elko
ELKO	391(EL)(116.1)	SBRAPZ-VDT, 200°, 0.8	(4), 116.1
FALLON	230 (VA)	SBRAZ-DT,219°2.9	(4) Not manned cont.
HUMBOLDT (Int.)	209(HD)(116.1)	BMRLZ-VDT 228°, 2.6	(4);116.1
RENO (Hubbard)	254(RP)(116.1)	SBRAZ-VDT 161, 3.3	(4), 116.1
WADSWORTH FM	(-)	FM, 48°, 27	Reno
HUBBARD FLD (Reno)	278	CI	(4)(Wed,Sat,Sun 6-19. other days 8-1630)

S-Simul. Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker;(3)-3105, 4495, 6210 kcs;(4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bennett Flight Strip (Anderson Dam)	2.7 S,RR SW	4700	18	Pole line ENE.
Boise Airpark	1.8 WNW,RR S	2660	25 S6	73,80 oct.Trees SSE. NNW.
Bradley (Boise)	3.3 WNW,riv NE	2637	30 S6	80,91 oct.Trees SE.
(P) Caldwell	1.3 W,RR N	2370	32 S6	80,91 oct.Trees NW, bldg NE.
Emmett	2.6 SW, RR NW	2300	28 S2	73 oct.
Floating Feather (Eagle)	2 E,hwy W	2635	38 S4	80 oct.Soft when wet.
Glenns Ferry	1.3 WSW,riv S	2556	34 S1	Ltd 80 oct.
← GOWEN (Boise)	4.5 SSW	2857	77h R2 S1	80,91 oct.
(A) Mountain Home AAF	10.7 WSW	3004	100h	TMP INACT NO FACS
" Site 25,SL-PO	2 WSW	3240	48 L3	(See Spl Not.)
Nyssa Arpk.(Parma)	6.1 NNW,RR W	2200	28 S4	80 oct.No sto.
← Parma	0.6 SSE,RR NE	2225	26 S2	80 oct.
Ritchey (Nampa)	2 E,hwy N	2535	28 L3 S6	80 oct.No bcn.Lgts prior req.

NEVADA

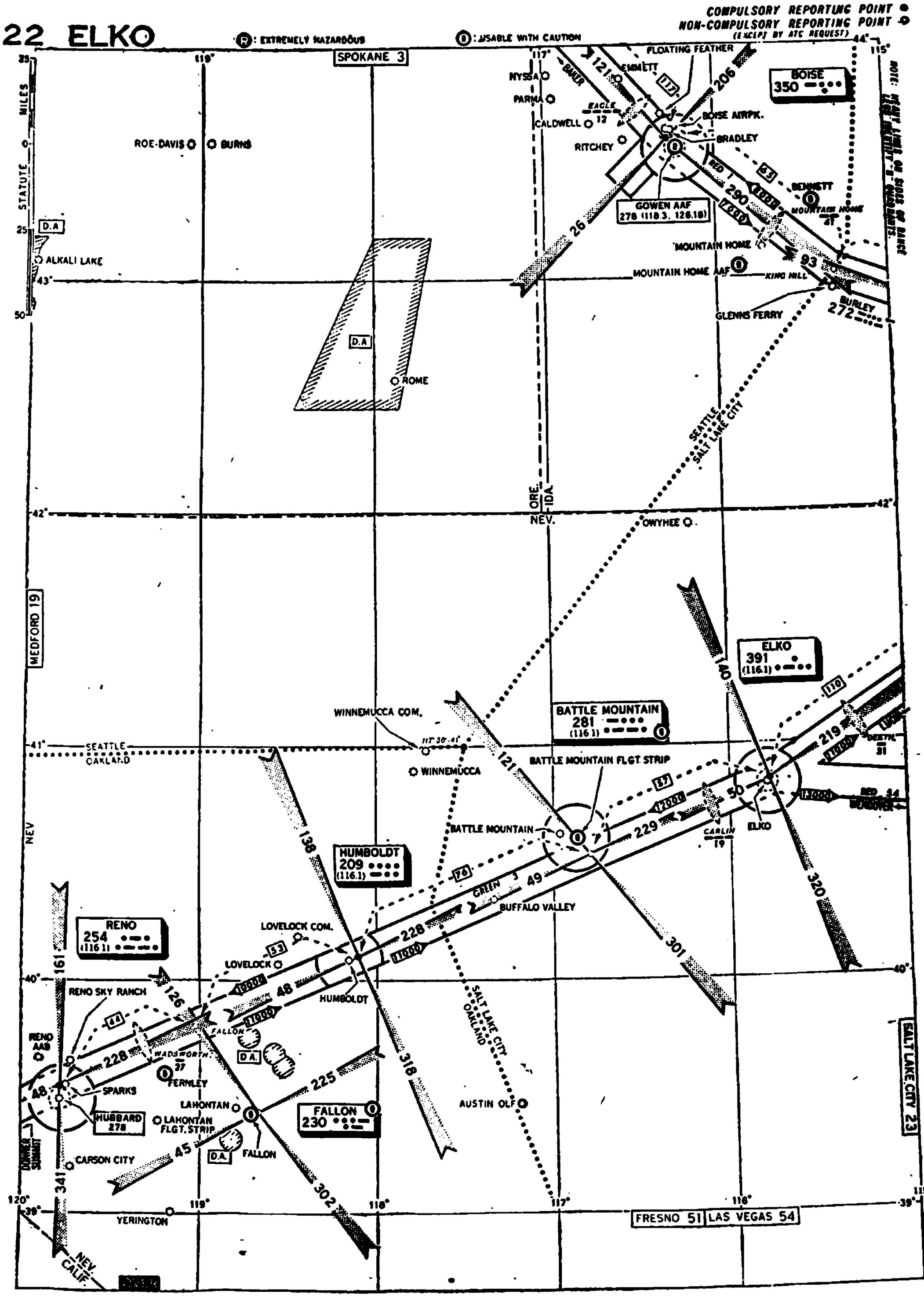
AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Austin OLF (N)	7 WSW,riv NW	5730	60h	
Battle Mtn.	1.5 WSW,hwy N	4521	24 S2	73, 91 oct.
(P) " Flgt Strip,35, SF-SL	4 SE,RR N	4521	73h R1 L3	
* Buffalo Valley Int, 32, SF-SL	15 W Bailey	4664	34 L2	
Carson City	3.1 NE,hwy W	4684	49 S6	80 oct.Mts N,hill W.
(P) ELKO	1.8 W,RR S	5066	62h R1 L5 S4	73, 91 oct.
* Fernley Int,22,SF-SL	3.3 E,hwy NW	4156	27 L2	
Fallon	6 SE,hwy S	3931	70h R1	Closed,emerg use only.
HUBBARD (Reno)	3.4 SE,RR N	4395	57h R1 L5 S4	80,91 oct.Fld lgts prior req.
* Humboldt Int,28B, SF-SL	14 S Rochester	4130	35 R1 L3	
Lahontan (Fallon)	1.4 SSW,hwy N	4000	24 S4	80 oct.Poles ENE,WSW
" Flgt Strip	15.5 S,hwy N	4279	72h	(Fernley)
Lovelock	1.5 ENE,riv W	3986	31 S2	80 oct.
(P) " Site 26,SF-SL	9 SSW,RR NW	3906	55h L5	
Orovada (NC)	1.2 W,hwy E	4300	32	
Owyhee Flight Stp.	4.8 W	5379	67h	
(A) Reno AAB (A)	10.5 NNW,RR SW	5018	76h	Mts sur fldC-L-O-S-D.
Reno Sky Ranch (Sparks)	8.5 NNE,hwy W	4528	52 S4	73,80,91 oct.Flare pots on prior req.
Sparks Airpark	0.6 N,RR S	4400	33 S6	80,91 oct.Poleline W.
Winnemucca	1 NE,RR NW	4303	31 S4	73 oct.
(P) " Site 32A,SF-SL	6 SW,RR N	4303	51h L5	
Yerington	1.2 N,RR W	4483	50 S1	73 oct.

OREGON

Alkali Lake Flgt Strip	7.5 N	4313	62h	
Burns	5.1 E	4141	51h L5	Contact lgts prior req
Roe Davis (Burns)	0.6 WSW,RR SE	4165	31 S6	80 oct.
Rome Flgt Strip	26.6 SW,hwy E	4050	60h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page X111)(NC)-Not charted. → NEW OR REVISED DATA

22 ELKO


COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ◆
(EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SPOKANE 3
ROE-DAVIS
BURNS
ALKALI LAKE
D.A
ROME
NYSSA
PARMA
BAKER
EMMETT
FLOATING FEATHER
BOISE 350
BOISE AIRPK.
CALDWELL
EAGLE
RITCHEY
BRADLEY
GOWEN AAF
278 (118.3, 126.1R)
BENNETT
MOUNTAIN HOME
MOUNTAIN HOME AAF
KING HILL
GLENNS FERRY
BURLEY 272
ORE.
IDA.
NEV.
OWYHEE
SEATTLE
SALT LAKE CITY
MEDFORD 19
ELKO 391 (116.1)
WINNEMUCCA COM.
WINNEMUCCA
BATTLE MOUNTAIN 281 (116.1)
BATTLE MOUNTAIN FLGT. STRIP
SEATTLE
OAKLAND
HUMBOLDT 209 (116.1)
BUFFALO VALLEY
GREEN
CARLIN
ELKO
RENO 254 (116.1)
LOVELOCK COM.
LOVELOCK
RENO SKY RANCH
RENO
HUMBOLDT
FALLON
WADSWORTH
FERNLEY
SPARKS
SALT LAKE CITY
OAKLAND
AUSTIN OLF
LAHONTAN
HUBBARD 278
LAHONTAN FLGT. STRIP
FALLON 230
CARSON CITY
DONNER SUMMIT
YERINGTON
NEV.
CALIF.
FRESNO 51
LAS VEGAS 54
SALT LAKE CITY 23
STATUTE MILES
NOTE: HEAVY LINES ON EDGES OF RANGE INDICATE U.S. BOUNDARIES.

SALT LAKE CITY 23

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓤ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

ALL FACILITIES IN SALT LAKE CITY FLIGHT ADVISORY AREA

GREAT FALLS 6

ST. ANTHONY
REXBURG
JACKSON
FRIEDMAN
CAMAS CO.
GOODING
ALBERT
FLYING BAR'S
BURLEY 272
POCATELLO AAF
ABERDEEN
POCATELLO HAYFIELD
UNIVERSITY
POCATELLO 257
IDAHO FALLS 359
IDAHO FALLS
AMERICAN FALLS
AFTON
GOODING (NEW)
JEROME
TWIN FALLS
BURLEY
IDAHOME
MALAD CITY (W) 314
MONTPELIER
BEAR LAKE CO.
COKEVILLE
STREVELL
IDAHO NEV.
MALAD CITY
PRESTON
LUCIN 302 (116.1)
STREVELL
OGDEN 263 (116.1)
LOGAN-CACHE CO.
HILLCREST
CORINNE 23
BRIGHAM
KEMMERER
FORT BRIDGER 382 (116.1)
HINCKLEY 284 MC
HUNTSVILLE 90
19
LUCIN
PROMONTORY POINT
OGDEN ARPK.
HILL AAF 396 MC 126.18 MC
LAYTON 18
WENDOVER AAF 201 MC 126.18 MC
BOUNTIFUL
EVANSTON
KNIGHT
FORT BRIDGER
VENTOSA
LOW
TIMPIE 37
SALT LAKE CITY NO. 1 278 MC 118.3 MC
UTAH CENTRAL
GRANTSVILLE
SALT LAKE NO. 2
MIDVALE
ALTA
KNOLLS
WENDOVER 248
TOOELE
RIVERTON 20
SALT LAKE CITY 227 (116.1)
FAIRFIELD
PROVO
SPANISH FORK
DUGWAY AAF
FAIRFIELD 362 (116.1)
NEPHI
CARBON CO.
MT. PLEASANT
DELTA 212 (116.1)
DELTA
MANTI-EPHRAIM
YELLAND
WELLS

D.A.

TO KING HILL
TO ELKO
ELKO 22
TO ROCK SPRINGS
ROCK SPRINGS 26
IDAHO
WYO.
NEV.
UTAH

STATUTE MILES 0 25 50

LAS VEGAS 54 | WINSLOW 55

TO MILFORD

OVER

IDAHO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURLEY	272 (BX)	SBRAPZ-DT,200°,2.7	(4)
→ GOODING (new)			DECOMMISSIONED
IDAHO FALLS (Mun.)	359 (IF)	SBMRAZ-DT,192°,2.6	(4)
→ MALAD CITY (Int.)	314 (WT)	SRAWZ; 131°,3.4	
POCATELLO	257 (PQ)	BMRLZ-DT, 56°,2.5	(4)
→ STREVELL (Int.)			DECOMMISSIONED
UTAH			
CORINNE FM	(- - - -)	FM, 332°, 23	Ogden
DELTA	212 (VZ)(116.1)	SBRAZ-VDT, 7°, 3.6	(4); 116.1
FAIRFIELD (Int.)	362 (JL)(116.1)	BMRLZ-VDT,2°,4.4	(4); 116.1
HILL,(Ogden)	396 (126.18)+	CA	(4); 126.18
HUNTSVILLE FM	(-)	FM, 64°, 19	Ogden
LAYTON FM	(- - - -)	FM, 329°, 18	Salt Lake City
LUCIN (Int.)	302 (JB)(116.1)	BMRLZ-VDP,156°,2.4	(4); 116.1
OGDEN (Robert H. Hinckley)	263 (OG)(116.1)	SBRAZ-VDT,107°,3.4	(4); 116.1
RIVERTON FM	(- -)	FM, 163°, 19.5	Salt Lake City
ROBERT H.HINCKLEY(Ogden)	284	CI	(4)(830-2130 Wed. thru Sun. 1130-2130 Mon. & Tues.)
SALT LAKE CITY	227 (SL)(116.1)	SBRAZ-VDTX	(3); 116.1
→ Salt Lake City Arpt. #1	278 (118.3)	C (ILS); 163°, 3	(4); 131.9,118.3,126.18,122.5
TIMPIE FM	(- - -)	FM, 246°, 37	Salt Lake City
WENDOVER	248 (WV)	SBMRAZ-DT	(4)
Wendover Field	201 (126.18)	CA; 258°, 2.2	(3);126.18
WYOMING			
FORT BRIDGER (Int.)	382 (HM)(116.1)	SBRAZ-VDT.228°.2.4	(4):116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)	
SALT LAKE, UTAH	110.3	335	343° Mag	IM- MM- (.71)	OM- (4.69)
				MMK-	OMK-
				IM- MM-	OM-
				MMK-	OMK-
				IM- MM-	OM-
				MMK-	OMK-
				IM- MM-	OM-
				MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

IDAHO

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Aberdeen	2.7 SW,rd W	4460	32 S6	73 oct.No sto.
Albert (Richfield)	5.2 NE,RR W	4400	23 S2	Ltd 80 oct.
American Falls	2 NE,RR NW	4404	38 S1	73 oct. Poles S.
Arco (NC)	1.5 ESE,hwy W	5330	26	Hills NE.
Bear Lake Co. (Paris)	3.3 ENE,riv NE	5928	57h	
Buhl (NC)	5.7 W,crk W,E	3690	41	
(P) Burley	1.3 ENE,RR SW	4149	41h R1 L5 S4	80,91 oct.Pole line WNW.
Camas Co. (Fairfield)	0.8 SW;RR,hwy N	5065	31	Pole line E.
Flying Bar "S" (Shoshone)	4.6 NNW,riv S	3900	12 S1	73 oct.
Friedman (Hailey)	0.8 S,RR E	5300	52 S1	73 oct.
(P) Gooding (new)	3.5 WSW,hwy N	3730	49h L5 S4	81 oct.
Gooding (old)	4 SSW	3570	20	
(P) IDAHO FALLS	2 NW,riv,RR E	4730	52h R1 L5 S6	80,91 oct. Pole lines S,NE.
* Idahome Int,13, SL-PO	0.8 NNE	4460	29 L3	
Jerome	3.3 ENE	3980	31 S1	73 oct.
MacKay (NC)	0.8 SE,RR NE	5900	30	Rough.
* Malad City Int,9,SL-GT	2.6 WSW,riv WSW	4503	50h L3 S1	73 oct.
Montpelier	0.6 NNE,RR WSW	5900	30 S1	73 oct. Hills,trees S,SW,NE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
POCATELLO	5.9NW,RR S	4462	56h R1 L5 S6	80,91 oct.
(A) Pocatello AAF (A)	8.1 WNW	4445	84h	TMP INACT NO FACS(See Spl Not.)
Preston	1.7 WNW,riv W	4800	28 S2	80 oct.
Rexburg	0.8 S,RR NW	4900	26 S4	80 oct. Rolling. No sto.
→ St. Anthony	1.1 SSE,RR W	4965	40 S4	80 oct. Poles, trees NNE.Rnwy data unver.
* Strevell Int, 10, SL-PO	0.3 NNW,hwy W	5270	31 L2	Hwy S.
Thousand Springs (Hagerman)	4.5 SSE,riv N	3000	30	(NC)
(P) Twin Falls	6.5 S,crk N	4200	40 S6	80,91 oct. No sto.
University (Ham's)(Pocatello)	1 ENE,hwy W	4600	35 S2	Hills N,S. No fuel.
Victor (Bennett Fld) (NC)	0.8 SE,hwy W	6198	25	UNUSABLE.
INDIANA				
* Ventosa Int,48,SF-SL	0.5 N,RR S	5600	27 L3	
* Wells Int,46B, SF-SL	1.5 S,rd W	5665	29 L2	
Yelland (Ely)	3.5 NNE,hwy E	6258	60h L3 S6	80 oct. Fld lgts prior req.
UTAH				
Alta Arpk (Sandy)	2.3 E,RR W	4800	30	Hwy W.
Bountiful Sky Haven	2.6 WSW,rd E	4222	38 S4	80 oct. Pole line N,NW,SE.
Brigham	3 NW,RR S	4220	37 L3 S6	80 oct.
Carbon County (Price)	2.8 E,RR W	5900	43 S6	80 oct.
Delta	4.8 ENE,	4755	81h R1 L5 S2	80,91 oct. Hwy NW.
(A) Dugway (Tooele)(A)	41.5 SW,hwy E	4338	73h L5 S4	73,91,100 oct. CLOSED.
Duchesne (NC)	2.2 NNE,riv W	5700	55	Pole line W, NW.
* Fairfield Int,59,LA-SL	6 NE,RR SE	5024	55 R1 L3	
* Grantsville Int,60,SF-SL	3 N,RR E	4229	44 L3	Poles E.
(A) Hill (Ogden)(A)	6.5 S	4788	75h R1 L5 S6	62,73,91,100 oct. JP-1.
Hillcrest (Logan)	2.7 NE,RR W	4780	26 S6	80 oct. Mtn SSE.
(P) HINCKLEY (Ogden)	3.5 SW,RR NW	4455	56h R2 L5 S6	80,91 oct.
* Knolls Int,56,SF-SL	5 ENE,RR S	4360	42 L3	
Logan-Cache Co. (Logan)	4 NNW,RR E	4460	53h L5 S6	80 oct.
Low Flight Strip	11.8W,hwy S	4241	71h	
* Lucin Int,52, Ogden Cutoff,SF-SL	3.5 E,RR S	4413	50 R1 L3	
Manti-Ephraim (Ephraim)	2.8 SW,RR SE	5500	35 S2	No fuel.
Midvale	3 WSW,RR NW	4500	20 S4	73 oct. No sto.
Mt. Pleasant	1.5 SSW,RR NW	5857	48 S2	80 oct.
Myton (NC)	1 E,riv N	5090	31	
Nephi	2.5 NW,RR E	4800	48 S1	Ltd 80 oct.
Ogden Airpark	4 S,hwy NE	4700	31 S4	73 oct. No sto.
* Promontory Pt.Int,3,SL-PO	0.5 W,RR S,E	4280	30 L3	
(P) Provo	2.8 WSW,RR N	4490	71h L5 S6	73 oct.Fld lgts prior req.
SALT LAKE CITY #1	2.5 WNW,RR S	4222	55h R3 L6 S6	73,80,91 oct.Rdo rec req.
Salt Lake City No. 2	10.5 SSW,RR W	4617	56h S4	73 oct.
Spanish Fork	2 NW,RR SE	4560	49 S6	80 oct.
Tooele (NC)	1.4 WSW,RR W	4800	30 S4	80 oct. No sto. Mtns SE.
Utah Central(Salt Lake City)	4 SW,RR N	4240	28 S4	73 oct. Pole line N, NW.
(A) Wendover (A)	0.5 S,RR N	4237	81h R2 L5 S6	73,91,100 oct. JP-1. CLOSED.
WYOMING				
Afton	0.3 SW,hwy E	6239	30 S5	73,80 oct. 40' trees N.
Big Piney (NC)	2 N	6900	37	
Cokeville	2.5 SSW,riv E	6250	45 S1	Ltd 73 oct.
Evanston	3.6 SSW	6800	39 S1	73 oct. 200' hill SSE.
* Fort Bridger Int,9, SL-OH	5 N	7016	51 R1 L3	Carter 3 miles NNW.
(P) Jackson	9 N,riv W	6400	56 S1	73 oct.
* Kemmerer Int,B17,BX-RT	1.5 NNW,RR S	7276	71 L2	
* Knight Int,6,SL-OH	5 S,riv NNE	7615	47 L3	
→ Hayfield (Tyhee,Idaho)	2 SE;RR W	4600	31 S6	No sto.

RADIO — COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
EAGLE (6 mi. ENE Eagle)	108.3 (EQ) (111.1,116.1)	VAR-VDT	4495,3117.5,116.1,121.7
GRAND JUNCTION (12.7 mi. SW of Walker Field)	108.7 (EJ) (111.1,116.1)	VAR-VDT (ILS)	3105,4495,3117.5,121.7, 116.1 only.
WYOMING			
CASPER (Wardwell Field)	269 (CW)(116.1)	SBRAZ-VDT,263°,2	(4): 116.1
DOUGLAS (Int.)	251 (DQ)(116.1)	HVT	(4):116.1
LARAMIE (Gen'l. Brees Field)	245(LR) (116.1)	SBMRAZ-VDT 137°, 2.2	(4):116.1
MIDWEST FM	(- - - -)	FM, 339°, 15.1	Casper
PT.OF ROCKS FM	(-)	FM, 66°, 15.4	Rock Springs
ROCK SPRINGS (new)	290(RT)(116.1)	SBRAZ-VDT, 246°,2.8	(4); 116.1
SILVER CROWN FM	(- - -)	FM, 282°, 12	Cheyenne
SINCLAIR (Int.)	209(XP)(116.1)	SBMRAZ-VDT, 80°, 1.7	(4): 116.1
PARKERTON,WYO.FM	(-)	FM; 76°, 16.8	Casper

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
WALKER, COLO.	110.3 .---	335	110°Mag	IM	MM ····· (.69)	OM — — (4.52)	
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — COLORADO

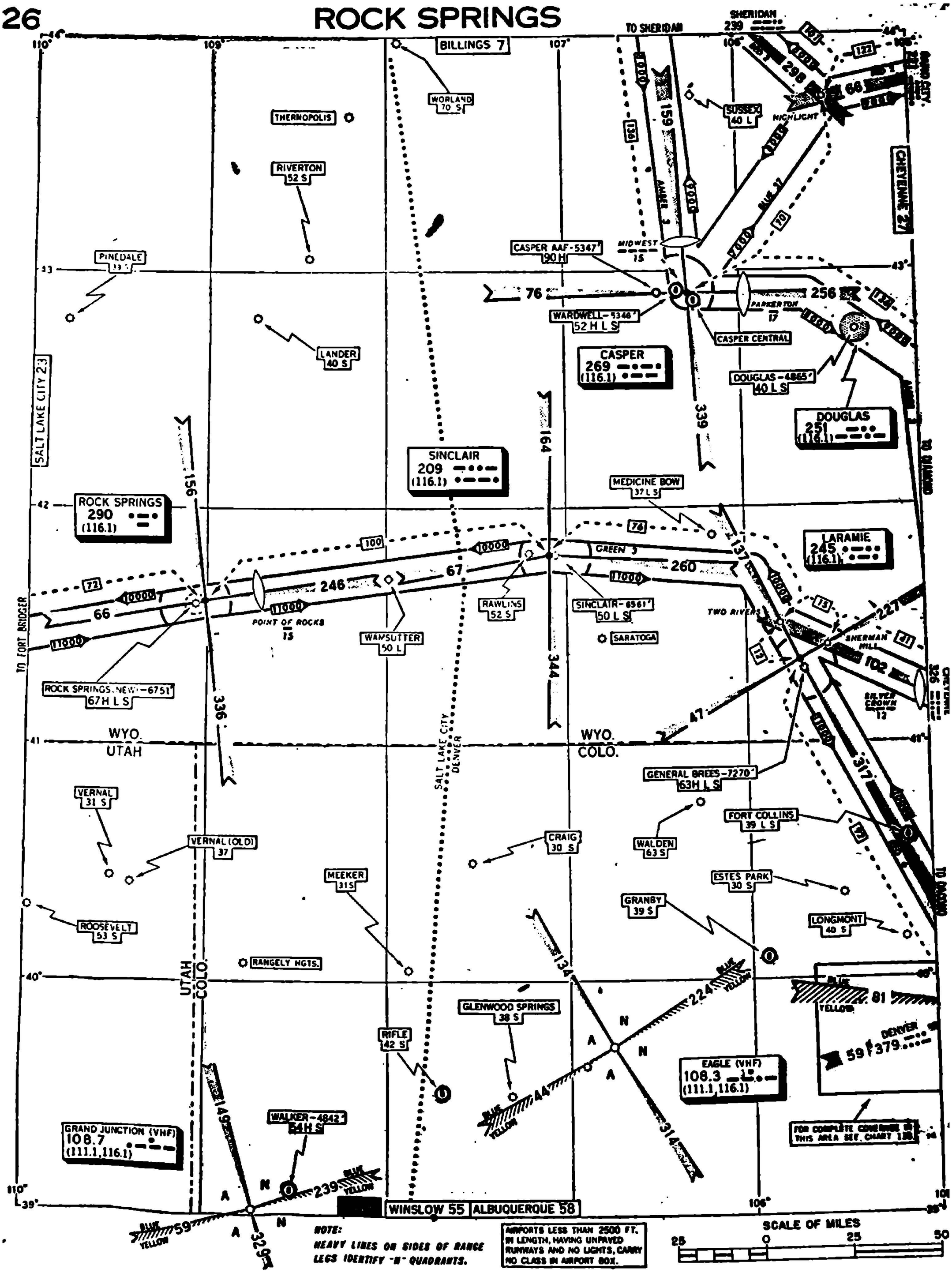
AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Craig	1.8 SE;riv N	6300	30 S6	80, 91 oct.
Estes Park	2 SE;riv N	7635	30	Closed till June '47
(P) Ft.Collins,5,DV-LR	4 WNW;rd S	5150	39 L2 S6	73,80 oct.Poles SE.
Glenwood Sprgs.	2 S	5900	38 S1	73 oct.
Granby	1 ENE;riv W	8200	39 S1	80 oct.
Leadville (NC)				ABANDONED
Longmont	2.9 W;RR N	5030	40 S6	80,91 oct.Trees NW.
Meeker	1.3 E;hwy S	6300	31 S1	80 oct.
(P) Rifle	3.3 E;riv N	5400	42 S2	80 oct.
Teter (Fairplay)	3 SSE;hwy E	9700	67	(NC)
Walden	1.5 N;hwy W	8250	63 S1	80 oct.
P) WALKER (Grand Junction)	2.8 NNE;rd W	4842	54h L3 S6	80,91,100 oct.
UTAH				
Roosevelt	1.3 NE;hwy S	5000	53 S2	80,91 oct.Poleline SE,E
Vernal (new)	1 SSE;hwy N,E	5280	31 S6	80,91 oct.
Vernal (old)	7 ESE;riv 4 E	5200	37	

WYOMING

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Casper AAF(A)	9 NNW;hwy SW	5347	90h	CLOSED.
Douglas,11B,CX-GT	1.5 SE;RR W	4865	40 R1 L3 S1	73 oct.
General Brees (Laramie)	4 W;riv SE	7270	63h R1 L5 S6	73,91,100 oct.
Lander	1.5 S;riv W	5550	40 S2	73 oct.
Medicine Bow,31, SL-OH	1.3 SE;RR N	6640	37 L3 S1	73 oct
Pinedale	5.5 SSE;hwy NE	7200	39 S2	73 oct.
Rawlins	2.3 NE;RR I S	6780	52 S4	80,91 oct.
(P) Riverton	3.8 NW;hwy SW	5453	52 S4	Ltd 73 oct.
(P) ROCK SPRINGS (new)	8.8 E;RR N	6751	67h R1 L5 S2	73,80,91,100 oct;80 oct daylgt hrs only.
Rock Springs (old)	3.8 NNW	6370	58	(NC)
* Sinclair Int,27, SL-OH	3.8 ENE;RR S	6561	50 R1 L3 S1	73,100 oct.
* Sussex Int,22A,CX-GT	2.5 NNE;riv 5 E	4800	40 L3	
Thermopolis	1 N; riv W	4400	33 S1	80 oct.
* Wamsutter Int,22, SL-OH	2.4 NNW;RR S	6812	50 L3	35 pole line SW
WARDWELL (Casper)	5 NNW;hwy E	5346	52h R1 L5S6	73,91 oct.
(P) Worland	2.8 S;canal NW	4185	70 S1	80, 91 oct.
Casper Central (Casper Wyo.)	3 NE;RR S	5100	28 S1	80 oct.Poles SE.
Saratoga Mun.(Wyo.)	0.7 SSW,hwy E	6900	41	Poleline E.
Eagle (Colo.)	4.5 WSW;RR N	6496	34	
Rangely Heights, (Rangely,Colo)	0.6 SE;riv N	5500	33 S1	80 oct. Hill adj SSW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not Charted. → NEW OR REVISED DATA

ROCK SPRINGS



CHEYENNE 27

● COMPULSORY REPORTING POINT
● NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ EXTREMELY HAZARDOUS Ⓛ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.

10 HIGHLIGHT
RED 2
66
MONDELL
BOURASSA
122
HOADLEY
ROCK SPRINGS 26
HOT SPRINGS
EDGEMONT
WYO.
NEB.
S.D.
RAPID CITY 221
346
162
LUSK
CRAWFORD
FORT ROBINSON
TO CASPER
AMBER 3
136
WHEATLAND
EAST SIDE
TORRINGTON
161
227
LARAMIE 245
DIAMOND
35
MEADOWS 17
CHEYENNE 278 Ⓡ 126.18 Ⓡ
EGBERT 29
ARCHER 6
347
168
69
171
DACONO 20
HENDERSON
N 9
239
261
WATKINS 15
AURORA 10
DENVER (VHF) 109.1 (111.1)
110
351
335
FRANKTOWN 30
CALHAN
105°
39°
TO PUEBLO
SCOTTSBLUFF 341 (116.1)
RED 31
121
205
PINE BLUFFS
NEB.
COLO.
256
9000
LORENZO
CHEYENNE 326 (116.1)
FOR COMPLETE COVERAGE IN THIS AREA SEE CHART 138
STERLING
154
AKRON 368 (116.1)
SCHWARTZ-JOHNSON
MITCHELL
SCOTTSBLUFF
BAYARD
8000
25
7000
60
IDLE ACRES
65
21
SIDNEY
SIDNEY 314 (116.1)
301
BLUE 36
YOUNG
DENVER 379 (111.1)
64
AKRON
YUMA
WRAY
RODERICK
180
ANTON (VHF) (W) 108.7 Ⓡ
343
270
BLUE
YELLOW
90
STAKE'S
360
HUGO
FLAGLER
103°
104°
ALBUQUERQUE 58 | AMARILLO 59
105°
39°
TO PUEBLO
On request
CHADRON 206 (116.1)
CHADRON
HAY SPRINGS
GORDON MUN.
BISMARCK 10
MINNEAPOLIS
DENVER
BENNETT CO.
S.D.
NEB.
43°
PIERRE
STATUTE MILES
25
50
OMAHA 30
SENECA
42°
ALLIANCE MUN.
ALLIANCE
OSHKOSH
BIG SPRINGS Ⓛ 391
BIG SPRINGS
74
CHAPPELL
OGALLALA
6000
80
GREEN 3
5000
JULESBURG
155
HOLYOKE
117
IMPERIAL
159
ALVIN
RED 6
244
7000
8000
66
NORTH PLATTE 236 (116.1)
172
26
125
LEE BIRD
PAXTON
260
GOTHENBURG +
GRAND ISLAND 260
69
347
TO GRAND ISLAND
HAYES CENTER 400 (116.1)
HAYES CENTER
146
McCOOK AAF
McCOOK
BENKELMAN
335
NEB.
KANS.
40°
ATWOOD +
OBERLIN
LENORA
177
RED 1
CONTROLLED ONLY BETWEEN 8500 AND 8500 FT.
309
ST. FRANCIS
COLO.
KANS.
EDDIE HUTTON
87
GOODLAND
GOODLAND (VHF) (W) 108.3 Ⓡ
GOODLAND (W) 353
357
COLBY
267
BLUE
YELLOW
MQRLAND (VHF) (W) 109.1 Ⓡ
261
351
HILL
TO SMOKY HILL
102°
101°
39°
OVER

RADIO

COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER.. REMARKS
AKRON (Int.)	368 (RN)(116.1)	SBMRAZ-VDT,154°,3.6	(4):116.1
AURORA LFM	(- - -)	LFM, 155°, 9.5	Denver
DACONO FM	(. . -)	FM, 348°, 20	Denver
DENVER (Stapleton)	379(DV)(111.1)	SBMRAZ-VDTX;155°,2.4	(3);131.7
DENVER (9 mi ENE Stapleton	109.1(DV) 111.1	VAR-VDT	(3);131.7
FRANKTOWN FM	(. . - . - -)	FM, 155°, 29.6	Denver
HENDERSON FM	(-)	FM, 348°, 8.6	Denver
WATKINS FM	(- -)	FM, 59°, 14.8	Denver
ANTON	108.7(AR)	VARW	

KANSAS

GOODLAND	353(GN)	RW-T	
GOODLAND	108.3(GN)	VARW	
MORLAND	109.1(MC)	VARW	

NEBRASKA

BIG SPRINGS (Int.)	391 (BG)	BMT	(4)
CHADRON	206 (HC)(116.1)	MHVT	(4):116.1
HAYES CENTER (Int.)	400 (KB)(116.1)	SBMRAZ-VDT, 64°,2.1	(4):116.1
NORTH PLATTE (Lee Bird)	236(NQ)(116.1)	SBRAZ-VDT,352°,2.2	(4): 116.1
SCOTTSBLUFF	341 (TF)(116.1)	SBMRAZ-VDT;351°,3.1	(4):116.1
SIDNEY (Int.)	314 (SD)(116.1)	SH-VDT.350°,0	(4):116.1

WYOMING

ARCHER LFM	(-)	LFM, 76°,5.6	Cheyenne
CHEYENNE	326 (CX)(116.1)	SBRAZ-VDT	(3):116.1
Cheyenne Airport	278 (126.18)	C: 76°, 1	(4):116.1,131.9,126.18
HERRET FM	(. . -)	FM, 76°, 29	Cheyenne
MEADOWS FM	(- - - -)	FM, 341°,16.8	Cheyenne

S-Small. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116 1, 137.88, 140.58 mcs.

AIRPORTS

COLORADO

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Akron Int.,9,DV-GI	3.9 SE; RR N	4585	53 R1 L3	
★ Alvin Int.,15,DV-GI	3.5 NNE	3600	40 L3	Rds S, N.
Burlington (NC)	0.5 W	4160	32	Pole line S, N.
Crosier (Greeley)	3.5 E; RR N	4648	34 S6	73,91 oct.
Doughty's (Julesburg)	12 ESE	3600	18	PRIVATE,Use in emergency.
Flagler	0.8 S; RR N	4975	48 S1	73 oct. 20' pole line E.
Holyoke	1.8 ESE; RR NW	3720	35 S1	80 oct.
Hugo	1.5 E; RR S	5034	26 S1	80 oct.
→ Julesburg	2.8 SW; RR SE	3490	24 S6	80 oct.
Roderick (Lindon)	4.3 N; riv E	4900	26 S1	73 oct.
Stake's Prairie(Limon)	2.2 ENE; RR S	5375	34 S4	73 oct.
(P) Sterling	2.8 W; RR S	4020	37 S6	73,80 oct.
Wray	1.2 NNW; RR S	3400	30 S1	Ltd 73 oct.
(P) Young (Fort Morgan)	6 N; hwy E	4460	52 S4	73 oct.
Yuma	1.4 SSE; RR N	4150	35 S6	73 oct. Poles S, SW.
→ Calhan	0.6 ESE; hwy N	6500	22 S1	80 oct.

KANSAS

Atwood	2 N;hwy W	2900	26 S1	73 oct.Data unverified.
Colby	1.8 N; RR S	3150	42 S2	80 oct. Poles SW, W.
Eddie Hutton (Brewster)	1 SE; RR N	3420	35 S2	73 oct.
(P) Goodland	2 NNE; hwy W	3689	37 S6	80,91 oct.Trees NW.
Lenora (NC)	1.2 NNW; hwy S	2325	29	
Oberlin	0.9 NW; RR SE	2684	25 S1	80 oct. Pole line SE, NE.
St. Francis	1 SSE; riv NW	3400	35 S2	80 oct.

NEBRASKA

(A) Alliance AAF(A)	4.6 SE; RR N	3930	92h	CLOSED
" mun	2.8 SW; RR,hwy E	3965	53 S6	80 oct.
Bayard	1.3 SSW; RR N	3760	25 S2	No fuel. Poles N,E,NW,SE

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page XIII)(NC)-Not charted. → NEW OR REVISED DATA

NEBRASKA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Benkleman	1.2 NNE; RR SE	2999	28 S1	80 oct.
★ Big Springs Int,55,SL-OH	3 WNW; hwy N	3605	35 R1 L3	Pole line E.
(P) Chadron,15,CX-HR	4.8 W; hwy S	3312	45 R1 L3 S4	73 oct.
Chappell	3 E; RR SW	3830	26 L1 S2	80 oct. Pole line W.
Crawford	3.8 NNW; hwy E	3676	35	Poles E, W.
(A) Ft. Robinson (A)	2 S; RR N	3920	18	
Gordon	1.3 E; RR N	3549	34 S4	73,80 oct. Poles N,S,W.
★ Hayes Center Int,21,DV-GI	3 ENE; rd S	3074	51 R1 L3	
Hay Springs	2.5 W; hwy E	3840	17 S2	80 oct. Pole line N.
Imperial	1 ESE; RR SW	3280	36 S4	80 oct.
(P) LEE BIRD (North Platte)	3.2 ESE; riv SW	2779	55h R1 L5 S6	73,80,91,100 oct.
Lorenzo	0.6 WNW; RR E	4400	17 S1	Ltd 73 oct. Cattle on fld.
McCook	2.2 E; RR,hwy S	2586	42 S4	80 oct; Windmill N.
(A) " AAF (A)	9 NNW; hwy E	2784	75h	TMP INACT NO FACS(See Spl Not.)
Mitchell	1.6 S; riv N	3950	40 S6	73,80 oct. Trees, poles NW.
Modisett (Rushville)(NC)	2.4 NE; RR S	3475	30	Bldgs, pole line E.
Ogallala	2 W; RR S	3250	26 L1 S6	80 oct. Poles S, SE, SW.
Oshkosh	1.8 SE; riv S	3375	21 S1	Ltd 80 oct. Poles NW,NE.
Schwartz-Johnson (Sidney)	1.6 SSE; RR,hwy N	4120	32 S1	73,80,91 oct.
(A) SCOTTSBLUFF AAF(A)	3.3 E; hwy S	3945	82h R1	CLOSED
Seneca	2.2 NNW; riv S	3200	26 S1	Ltd 80 oct. Twr NNW.
★ Sidney Int.,50,SL-OH	3 W; RR N	4132	36 R1 L3 S1	Ltd 73,80 oct.
Valentine (NC)	1.5 SSE; hwy E	2579	18	Not maintained Rough. PolesNE
Gothenburg	Adj E; hwy S		32 S2	80 oct. Data unver
Idle Acres (Potter)	11.8 N; hwy N	4550	21 S4	80 oct.Pole line W.Data unver

SOUTH DAKOTA

(P) Bennett Co. (Martin)	4.4 SSE; riv N	3325	30 S1	73 oct. Pole line sur fld.
Bourassa (Custer)	1 ESE; hwy N	5301	30 S2	73 oct. Poles W, NW.
Edgemont	1.1 SW	3575	30 S2	73 oct.
(P) Hot Springs	5.5 SSE; riv N	3075	52 S2	73 oct.
Presho Mun.	0.8 NW; RR S	1800	22 S1	80 oct. Poles N,NW,S.

WYOMING

(P) CHEYENNE	1 N; lakes WNW	6156	79h R2 L5 S6	80,91 oct. Poles W.
Hoadley (Dull Center)	9.4 NE	4176	24 S1	73,80 oct.
Mondell (New Castle)	6.2 WNW; RR N	4260	36 S2	73 oct.
(P) Pine Bluffs,44,SL-OH	4.2 WSW; RR S	5128	48 L3 S2	80 oct. Pole line N.
(P) Torrington	3.4 S; hwy W	4350	40 S2	73,91 oct. Pwr line S, W.
Wheatland,6,CX-GT	3.4 NNW; riv N	4648	46 L3 S6	80 oct.
Lusk (Wyo.)	2.9 E;RR S	5000	47 S1	73 oct.Poles SE.
East Side(Wheatland,Wyo.)	0.7 E;RR W	4750	21 S1	80 oct.

RADIO — IOWA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
ATLANTIC	257 (IZ)(116.1)	MHVT	(4):116.1
CALIFORNIA FM	(- - -)	FM, 333°,18	Omaha, Nebr.
GLENWOOD FM	(- -)	FM, 146°,23.8	Omaha, Nebr.
HANCOCK FM	(-)	FM, 73°, 30.5	Omaha, Nebr.
SIOUX CITY	335 (YXX)(116.1)	SBMRLZ-DTV	(3):116.1
Sioux City Arpt.	396(126.18,118.3	AC; 337°,1.9	(4):131.9,126.18,118.3
SLOAN FM	(- -)	FM, 157°,8.8	Sioux City

KANSAS

MARSHALL (Ft. Riley)(Army)	215 (DYY)	SBMRAZ	
Marshall Field	396 (126.18)	CA; 19°,4	(3); 126.18
PHILLIP BILLARD (Topeka)	278	CI	(3)(sunrise-sunset)
TOPEKA	109.1 (PK)	VARW,211°,6	
WALDO	108.7 (LO)	VARW	

MISSOURI

TARKIO	281 (TK)(116.1)	MHVT	(4):116.1

NEBRASKA

GRAND ISLAND	260(GI)(116.1)	SBMRLZ-VDT	(4); 116.1
Grand Island AAF	278 (126.18)	CA(ILS);165°,L3	(3); 126.18 (8-17)
KEARNEY (Army)	536 (DKR)	HW; 130°,5.3	
LINCOLN	385(HK)(116.1)	SBMRLZ-VDT, 170°,2.6	(4); 116.1
MEAD FM	(- - -)	FM, 252°, 28.4	Omaha
OFFUTT (Omaha)	396 (126.18)	CA	(3); 126.18
OMAHA	320 (OH)	SBRAZ-DT	(3)
Omaha Airport	278 (126.18)	C(ILS);146°,0.8	(4); 116.1,131.9,126.18
OVERTON	278 (OV)	MHT	(4)

SOUTH DAKOTA

SIOUX FALLS	245 (YLX)(116.1)	SBRAZ-VDT,030°, 2.3	(4);116.1
KEARNEY AAF, NEBR.	396(126.18) +	CA	(4)126.18 (8-17)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs.)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Omaha, Nebr.	110.3	335	1350 Mag.	IM- ..... (.06)	MM-	OM- -- (4.50)
					MMK-	OMK-
Grand Isl. AAF, Nebr.	110.3	335	3490 Mag.	IM- (.08)	MM- ..... (1.00)	OM- -- (4.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — IOWA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Atlantic	4.6 NW,RR S	1353	21 S6	80,91 oct.
Atlantic, mun.	1.9 W,RR E	1153	33 R1 L3	Beacon 1/4 mi W.
Briggs (Fiscus)	4.2 NE,RR E	1370	21 S2	80 oct. Trees N.
Cherokee	1 S,RR W,S	1218	19 S1	80 oct.
Clarinda	0.8 SE,RR W	1060	26 S4	80 oct.
Council Bluffs	3 SE,RR S	980	37 S6	80 oct. Bldgs SW.
Denison	2.4 WSW,riv SE	1200	20 S2	80 oct. Trees SSW.
Dunlap	0.5 WNW,RR SE	1160	30 S3	80 oct. Pole line NNE.
Fuller (Milford)	0.7 NNW,hwy E	1440	36 S6	80 oct. Trees,poles E,W S.
Harlan	5 SSW,hwy E	1196	18 S2	73 oct.
Hart (Spencer)	1.6 S,hwy N	1100	26 S4	80 oct.Pole line NE,N.
John E. Peters (Ocheyedan)	1.5 N,hwy S	1425	24 S2	80 oct. 25' pole line S.
Liberty(Sutherland)	2.1 WSW,RR W	1465	23 S6	80 oct. 35' pole line E.
Manning	0.6 SW,RR W	1327	25 S2	73 oct.
McKisick(Rock Rapids)	3 N,riv W	1361	31 S4	80 oct. Trees W.
Missouri Valley	1.5 S,RR W	960	16 S2	80 oct.
Nicholson (Ida Grove)	1.9 WSW,RR N	1120	20 S1	80 oct.
Okoboji Airways (Spirit Lake)	2.8 SW,hwy E	1450	20 S2	80 oct. Poles NE.

R-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page xiii) NC (not charted) → NEW OR REVISED DATA

OMAHA

IOWA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Oliver Ranch (Onawa)	5 SE,hwy W	1040	26 S1	Ltd 80 oct. Trees sur fld.
Randolph (NC)	1.7 NNE,RR W	1050	20	
Red Oak	1.5 W,RR E	1044	25 S2	80 oct. Pole line N.
Sheldon	5 NNE,RR W	1444	33 S6	80 oct. P-line S,W,SW,
Shenandoah	2.8 W,RR SE	960	25 L S2	80 oct.Port rnwy lgts, SE.
(A)SIOUX CITY	7 S,RR E	1097	69h R2 L5 S4	80,91 oct. 91,100 mil.
(P)Spencer	2.9 WNW,RR S	1335	40 S6	80,91 oct. acft.
Storm Lake	3.5 SW,lk NE	1460	36 S2	80 oct. Data unver.
Thorne (Moneta)	2.5 S	1410	25 S2	80 oct.Pole line,trees W
(P)Western Union (Le Mars)	1.3 SW,RR SE	1190	30 S6	80 oct. Low obst.

KANSAS

Belleville	1.8 WSW,hwy S	1520	24 S2	73 oct.
Bern	0.6 S,RR N	1300	26 S1	80 oct. Pwr line N
Blosser(Concordia)	1 SSE,hwy W	1510	26 L S2	80 oct. Port rnwy lgts.
(P)Clay Center	1.5 W,hwy S	1200	30 S2	80 oct. Poles S,NW.
Downs	Adj SW,RR N	1550	20 S2	80 oct.Data unver.Hi NW
Elkins (Wakefield)	1 SSE,riv NE	1170	13 S1	80 oct. Poles W.
Hawk's (Atchinson)	1.3 WNW	1000	12 S1	80 oct. Poles N,RR S.
Hiawatha	1.3 WSW,RR E	1110	24 S1	80 oct. Pwr line N.
Holton	0.9 E,RR N	1020	24	Trees N.
Huntoon (Topeka)	5.4 W,riv N	1000	18 S6	80 oct. Pwr line N.
Larkinburg	0.3 E Houlton	947	27 S2	80 oct.Hi-lines N.Data unver.
Lawrence	2.5 NNE,hwy S	832	32 L3 S6	80 oct. No ben.Poles W Lgts prior req.
Manhattan	5.5 WSW	1050	31 S6	80 oct. RR SE.
Mankan (Manhattan)	3.7 ENE,hwy S	1050	30 S6	80,91 oct.Poles sur fld.
Mankato	0.8 ESE,RR S	1780	22 S4	73 oct.
(A)Marshall (Ft. Riley)(A)	1.8 SE	1062	45h R2 L5 S6	73,91,100 oct.Ditch E,S
Moritz (Beloit)	1.2 NW,RR S	1420	24 S2	73 oct. Trees E.
(P)Norton	0.7 NNW,hwy E	2365	52 S3	73 oct.Pole line E,S.
PHILLIP BILLARD (Topeka)	3.5 ENE,RR S	879	42h R1 L5 S6	80,91 oct.
(P)Phillipsburg	1.5 S,RR N	1882	23 S1	80 oct.
Pottawatomie (Manhattan)	1.4 NE,RR SE	1100	20 S4	80 oct. Poles SE,NW,NE
Seneca	0.5 W,RR S	1250	24	Poles N,S.
Smith Center	1 SSW,RR NW	1806	27 S1	80 oct.
Summerfield	0.3 SSE,RR W	1450	20 S2	80 oct.Pole line N,NW
Wood Arpk.(Clay Ctr)	3.5 N,hwy W	1260	15 S6	80 oct.No sto.P-line W.

MINNESOTA

McDowell (Luverne)	8 NW,hwy W	1440	25 S4	80 oct.
Pipestone	1 SE,RR E,W	1735	20 S4	Ltd 80 oct.
Worthington	1.4 N,lk SSW	1580	26 S1	80 oct.

MISSOURI

Craig	0.6 NE,RR SW	875	25 S1	73 oct. Pole line WNW
Tarkio 10, KC-OH	1.2 ENE,RR W	918	40 R1 L3 S4	80 oct. Trees N.

NEBRASKA

Ainsworth, mun	7 WNW,RR S	2580	73h L5 S6	80,91 oct.
Arrow (Lincoln)	4.8 NE,hwy E	1160	25 L S6	73,80 oct.Port rnwy lgts
Atkinson	1.4 SW,riv NE	2109	22	Trees S.Pole line E,SE, N, NW.
Auburn	2.7 E,riv SW	960	29 S6	80 oct.P-line N,NW,NE
(P)Beatrice	3.5 N,hwy E	1260	38h S4	80 oct.Twrs S,SW.Rnwy data unver.
Blair	3 NNW,RR E	1050	24 S6	80,91 oct.Windmill NW
* Brainard Int,82,SL-OH	5.5 SW,hwy W	1640	31 L3	
Broken Bow	2 N	2400	30 S6	80 oct.
Bruning	7.7 E,RR N	1544	68h	
Central (Grand Island)	1.7 NE,RR S	1851	33 S6	73,80 oct.P-lines W,S,
Clay Center	1.5 E,hwy N	1800	26 S2	73 oct. N,E.
Clear Ridge (Omaha)	5.2 NW,RR N	1230	24 S6	80 oct.Pole line E.
Columbus	1.3 NE,RR S	1445	26 S6	Pole line SSE,SSW.
Crete	1 S,RR NE	1368	24 L3 S2	73 oct.Lgts prior req.
David City	1.5 N,hwy W	1840	22 S2	80 oct.Windmill E.
Eagleton (Decatur)	1 S,riv NE	1100	26 S2	73 oct.Poles NE,trees NW.
Elgin	0.8 SW,RR E	1930	16 S6	80 oct.Bldgs SE,N.

NEBRASKA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Fairbury	2.5 NNE,RR, hwy SE	1316	26 L S6	80 oct.Port rnwy lgts. P-line W,NW,S.
(A)Fairmont (Geneva)	4.8 NE	1639	70h	(Geneva) CLOSED
Falls City	2 SSW,riv N	910	14 S1	Ltd 80 oct. P-line N,W.
(P)Fremont	1.4 WNW,RRs NE	1203	38h S4	80 oct.Pole line N,NE,E, SE.
(A)Grand Island AAF(A)	3.5 NE,RR W	1843	72h R3 L5 S2	73,100 oct. Twr SW.
(A)Harvard AAF(A)	2.5 NE	1817	76h	CLOSED
Hastings	1.5 NW,RRs N,S	1940	35 L S6	73 oct. Port rnwy lgts,
Hastings Sky Ranch	3.2 WSW,RR N	1960	26 S1	73 oct. P-line S.
Hebron	1 S,RR W	1458	26 S4	80 oct.S appch 6:1, SW 10:1
Hewett's (Beaver City)	2.5 NNE,hwy S	2300	40 S1	73 oct.Pole NNW,SSW;
Hew's (Humboldt)	4.2 NNE,RR S	1200	13	Pwr line E. bldg N,
Holdrege	2 NNE,crk S	2324	26 S4	80 oct.
Kearney	4.5 S,riv N	2145	15 S1	80 oct.Trees N;p-line E.
(A)Kearney AAF (A)	4.5 ENE,RR S	2140	73h R1	CLOSED
Lexington	1 W,RR S	2400	32 S5	Data unver.
Lincoln	5.5 NW,RR NE	1190	71h R1 L5 S1	80,91 oct.Fld lgts prior
(P)Norfolk	3 SSW,RR W	1572	58h S4	73 oct.Riv N req.
(A)Offutt (Omaha)(A)	10 S,RR W	1046	61h R1 L5 S4	91,100 oct. No sto.
Ohiowa	3 SW	1572	20	Fence sur fld.Data unver
OMAHA	3.5 NE,lake W	982	54h R3 L6 S6	73,80,91,100 oct.No contact lgts.
100th Meridian(Cozed)	0.8 SW,RR N	2490	22 S1	80 oct. Pole line E.
Ord	1 NW		32 S2	80 oct. Data unver.
* Overton Int,69,SL-OH	4.8 E,RR S	2300	40 R1 L3	Bldgs,trees NW;poles NE
Pender	1 NE,RR SW	1400	22 S2	73 oct.Pole line S,SE.
Schuyler	2.5 W,bet RR and hwy		25 S4	80 oct. Data unver.
Scribner	4.1 SSE,hwy N	1315	67h	
Steckley (Weeping Water)	3 S,RR,rd E	1260	26	Pole line N.
Tecumseh	1 W,RR NE	1115	26 S2	80 oct.Trees W;p-line N.
Union (Lincoln)	4.8 NNE,RR S	1140	18h L3 S6	80,91 oct.All lgts prior
(P)Wayne	1.8 E,RR N	1475	33 S4	80 oct.P-line NW. req.
Waverly (Lincoln)	9 NE,RR SE	1180	20	Poles SE,SSW.
West Point	1.5 E,hwy W		16 S4	80 oct. Data unver.

SOUTH DAKOTA

Anderson(Mitchell)	2.7 W,RR N	1293	29 S6	80 oct.Poles sur fld.
Chamberlain	3.4 SE,hwy N	1589	26 S2	73,80 oct.Poles N,NW.
Dell Rapids Mun.	1.6 NE,RR SE	1450	20 S1	73 oct.
Elk Point	2.4 E,riv NE	1120	26 S2	80 oct.Poles N,NW
Fletcher(Reliance)	2 SE,RR NE	1600	20 S1	80 oct.
Gregory	2.2 S,RR NE	2000	22 S2	73 oct.Pole line E,SE.
Mitchell	4 N,hwy E	1292	67h	
Platte	1.2 NNE,RR SW	1650	28 S1	80 oct.Poles NE,SE,S.
Rancher's & Farmer's (Reliance)	9 N,rd N,S		30 S1	73 oct. Data unver.
Rickenbacker(Stevens)	1 N,riv E	1114	28 S6	80,91 oct.
SIOUX FALLS MUN.	2.5 NNW,RR E	1420	57h R1 L5 S3	80,91 oct.Contact lgts
Vermillion	3.8 WNW,RR NE	1140	25 S4	80 oct. Poles prior req. N.
Wagner	1.3 S,RR N	1484	30 S1	73 oct. Poles E,NW.
Winner	1.3 NE,RR SW	2038	25 S6	80,91 oct.
(P)Yankton	2.3 N,hwy W	1400	37 S6	80 oct. Twr E.

30 OMAHA

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

FARGO 11
FLETCHER
RANCHER'S AND FARMER'S
CHAMBERLAIN
WINNER
PLATTE
GREGORY
WAGNER
MITCHELL
ANDERSON
SIOUX FALLS 245 (116.1)
PIPESTONE
DELL RAPIDS
HURON
MINNEAPOLIS
WORTHINGTON
McDOWELL
OKOBOJI AWYS.
MINN.
IOWA
SIOUX FALLS
JOHN E. PETERS
FULLER
McKISICK
SHELDON
SPENCER
THORNE
HART
LIBERTY
YANKTON
VERMILLION
WESTERN UNION COL.
CHEROKEE
ELK POINT
RICKENBACKER
SIOUX CITY 335 (116.1)
SIOUX CITY 396 (118.3, 126.18)
STORM LAKE
NICHOLSON
SLOAN
WAYNE
PENDER
OLIVER RANCH
AINSWORTH MUN.
ATKINSON
ELGIN
NORFOLK
EAGLETON
DENISON
CALIFORNIA
DUNLAP
MANNING
WESTPOINT
MISSOURI VALLEY
BRIGGS
HARLAN
ATLANTIC MUN
ATLANTIC
SCRIBNER
FREMONT
BLAIR
CLEAR RIDGE
OMAHA 320
COUNCIL BLUFFS
ATLANTIC 257 (116.1)
MEAD
OMAHA 278 (126.18)
CLENWOOD
RED OAK
SHENANDOAH
CLARINDA
IOWA
MO.
TARKIO
ORD
BROKEN BOW
NEBR. 3 D.A.
GRAND ISLAND 260 (116.1)
KEARNEY AAF (W) 536
COLUMBUS
SCHUYLER
DAVID CITY
NORTH PLATTE
HAYES CENTER
100TH MERIDIAN
LEXINGTON
OVERTON
KEARNEY AAF 396 (126.18)
KEARNEY
HASTINGS SKY RANCH
CENTRAL
GRAND IS AAF 278 (126.18)
LINCOLN 385 (116.1)
LINCOLN
UNION
ARROW
OFFUTT AAF 396 (126.18)
TABOR
RED OAK
WESTON
BRAINARD
WAVERLY
On request
OVERTON 278
HOLDREGE
HEWETTS
HARVARD
FAIRMONT
CRETE
CLAY CENTER
HASTINGS
OHIOWA
BRUNING
BEATRICE
TECUMSEH
AUBURN
On request
TARKIO 281 (116.1)
HEWS
CRAIG
FALLS CITY
HEBRON
FAIRBURY
SUMMERFIELD
BERN
NEB.
KANS.
NORTON
PHILLIPSBURG
SMITH CENTER
MANKATO
BELLEVILLE
MARSHALL AAF 215
SENECA
HIAWATHA
WALDO (VHF) (W) 108.7
DOWNS
MORITZ
BLOSSER
CLAY CENTER
WOOD AIRPARK
TOPEKA (VHF) (W) 109.1
ST. JOSEPH 341
HAWK'S
SALINA (VHF) 108.3
SMOKY HILL AAF
MARSHALL AAF 396 (126.18)
KANS. 3 D.A.
HOLTON
LARKINBURG
MANHATTAN
PHILLIP BILLARD 278
ELKINS
MANKAN
POTTAWATOMIE
HUNTOON
LAWRENCE
TULSA 63
AMARILLO 59
WICHITA 62
OVER
CONTROLLED ONLY BETWEEN 6000 AND 18000 FT. MSL
TO AKRON
TO DES MOINES 31
TO KANSAS CITY

DES MOINES 31

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

NOTE: HEAVY LINES ON EDGES OF BASE LEGS IDENTIFY "N" QUADRANTS.

MINNEAPOLIS 14 | ROCHESTER 278 (118.7)

ROCHESTER 236 (116.1)

MASON CITY 227 (116.1)

LA CROSSE 371 (116.1)

LONE ROCK 278 (116.1)

DES MOINES 278 (126.18)

DES MOINES 212 (116.1)

NAS. OTTUMWA 272 (142.74)

BURLINGTON 326

MONTEZUMA 278 On request

MOLINE 224 (116.1)

MOLINE 278 On request

IOWA CITY 248

KIRKSVILLE 391 (116.1)

CHILLICOTHE 242 (116.1)

ST. JOSEPH 341

KANSAS CITY 359 (116.1)

KANSAS CITY 278 (118.3 126.18)

SHERMAN AAF 396 (126.18)

FAIRFAX AAF 278 (118.9, 126.18)

MARSHALL 281 On request

COLUMBIA 379

NEW FLORENCE 385 On request

ST. LOUIS 209

TULSA 63 | ST. LOUIS 66

FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142

OVER

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS GUARD HRS OF OPER., REMARKS
ILLINOIS			
JERSEYVILLE FM	(-)	FM, 355°,21	St. Louis, Mo.
MOLINE	224(MO)(116.1)	SBRAZ-VDT,142°,12	(4), 116.1
Moline Airport	278	ML, 86°, 2.3	3105 (on req)
IOWA			
BURLINGTON	326 (BN)	SBRAZ-DT,357°,1.8	(4)
DES MOINES	212 (DM)(116.1)	SBRAZ-VDT	(1), 116.1
Des Moines Arpt.	278 (126.18)	C, 344°, 2	(4),116.1,131.9,126.18
EARLHAM FM	(- - - -)	FM, 258°, 26.3	Des Moines
IOWA CITY	248 (IX)	BHT	(4)
LUCAS FM	(- - -)	FM, 164°, 27.2	Des Moines
MASON CITY	227(NM)(116.1)	MHVT	(4)-116.1Oper. cont.
MONROE FM	(- -)	FM, 78°, 23.5	Des Moines
MONTEZUMA(Int)	278 (MZ)	MHT	(4)
OTTUMWA NAS	272 (142.74)	CN	(3), 142.74
KANSAS			
FAIRFAX (Kansas City)	278 (126.18) (118.9)	C	(4),126.18,131.9,118.9
SHERMAN (Ft. Leavenworth)	396 (126.18)+	CA	(3),126.18 cont.ex-cept Sun.(23-7)
MINNESOTA			
ROCHESTER	236(RR)(116.1)	BMRLZ-VDT,350°,2.5	(3), 116.1
Rochester Airport	278(118.7)	C	(4)-126.18,118.7,131.9
MISSOURI			
CHILLICOTHE(Int)	242(CK)(116.1)	MHTV	(4),116.1
EXCELSIOR SPRGS FM	(-)	FM, 52°, 27	Kansas City
KANSAS CITY	359(KC)(116.1)	SBRAZ-DTXV	(3),116.1
Kansas City Arpt.	278 (126.18) (118.3)	AC (ILS),148°,3	(4), 116.1,131.9,126.1, 118.3
KIRKSVILLE	391(KR)(116.1)	BMRLZ-DTY,333°,0.9	(4),116.1
LINKVILLE FM	(- - - -)	FM, 328°, 11.4	Kansas City
MARSHALL (Int)	281 (MH)	MHT	(4)
ST. JOSEPH (Rosecrans)	341 (ZJ)	SBMRLZ-DT,359°, 3.7	(4)
WISCONSIN			
LA CROSSE(Int)	371(LE)(116.1)	SBRAZ-VDT,127°,1.8	(4), 116.1
LONE ROCK (Int.)	278(LK)(116.1)	BMLZ-VDT,68°, 0	(4), 116.1

INSTRUMENT LANDING SYSTEMS

LOCATION	LOCALIZER Freq.	APPR. BEAR.	MARKER OUT & MIDDLE	INNER
KANSAS CITY, MO.	109.9	333.8	171° Mag	S- ·····(.01) / ····· (.01)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARPT.-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ILLINOIS				
Beardstown	1.5 SE; RR N,W		18 S2	80 oct. Data unverified
Carthage	1.5 SSW,RR E	665	19	Pole line NE, E.
* Chesterfield Int. 4, LS-CG	3 ENE,hwy N	612	26 L3	
Galesburg	1.7 NW,RR SSW	788	27h L3 S6	80 oct. Fld lgts prior req. Trees SW, NE.
Hi-Way(Flatt)	1.3 NW,RR E	665	20 S2	80 oct. 35' poleline S,E.
Jacksonville	3.9 S,hwy E	650	19 S4	80 oct. Trees SW.
Macomb	2.4 E,hwy E	695	23 S6	73,80 oct. No sto.
Matanzas(Havana)	4 S,riv W	480	24 S2	80 oct. Data not verif.
(P) MOLINE	4 S,hwy E	590	40h R1 L3 S6	73,80,91,100 oct.
Monmouth	1.5 NNE,rd E	770	31 L1 S6	80 oct. Poleline E,W,S.
Negus(Alexander)	2.8 WNW,RR SE	645	22	PRIVATE.
Quincy	2.8 SE,hwy E	650	26 S4	80 oct.
St. David	1.5 SW,RR N	628	22 S2	80 oct. 200' stack NE
IOWA				
Adair	1.5 SSE,RR NW	1350	18 S1	Ltd 73 oct. Trees S.
Adamson Airways	4.8 WSW,hwy N	1000	17 S6	80 oct. (Perry)
Ames	2.5 SSW,RR NW	920	25 S6	80 oct. Lgt acft only.
Armstrong	3.2 NW,hwy S	1250	22 S1	Ltd 80 oct. Trees E.
Audubon Arwys	1 SSE,RR W	1300	15 S1	80 oct. (Audubon)
Beaver	3.4 NW	900	25 S6	80 oct. (Des Moines)
Bellevue	3 N,RR W	652	19 S1	80 oct.
(P)BURLINGTON	1.7 SSW,hwy E	698	54h R1 L5 S6	80,91,100 oct.
Canfield(Waterloo)	3.5 NW,RR NE	800	32 S6	87 oct. Pole line N
Carroll	4.2 ESE,RR N	1196	34 S2	80 oct.
(P)Cedar Rapids	6.7 SSW,RR E	860	55h L5 S1	80, 91 oct.
Centerville	3.5 SSW, RR N	1017	25 S2	80 oct. Use strips only
Chapman(Waterloo)	5 E,RR NW	870	33 S6	80 oct. Poleline S.
Chariton C.A.P.	2.3 NNE,RR SE	1050	16 S1	80 oct.
Clarion	1.1 NW	1162	27 S6	80 oct.
Clermont	0.8 S,riv W	800	21 S6	80 oct. Poleline SE,NE.
Clinton	6.2 WSW,RR S	700	27 L S6	80 oct. No sto. Port rnwy lgts
Columbus Jct.	3 N,RR E	580	28 S2	80 oct. Poleline N,E lgts
Conrad	3 WNW,RR S	1000	23 S2	80 oct. 27' bldg E.
Cram (Davenport)	2.5 NW,RR SW	646	21 S6	80,91,100 oct.
Creston Arwys	1.6 NE, RR W	1320		UNUSABLE.(NC)
(A)DES MOINES	4.5 SSW,RR W	950	57h R2 L5 S4	80,91 oct. ARMY TMP INACT CIVIL FACS
Dodge (Grimes)	3.5 E,hwy,RR E	835	27 S6	80 oct.
Dows	1.5 SSE,RR NE	1144	26 S2	80 oct
Dressler(Anita)	7 SSE,rd W	1250	17 S2	80 oct. Trees S.
Dubuque	1.9 NE,riv E	602	27 S6	80 oct. Poles SE,NW.
Dyersv'l Arwys (Dyersville)	0.8 S, RR NE	940	16 S1	80 oct. Pwrlines NW,NE
Elliot Fly.Svc.	Adj S	550	Unl S1	80 oct. (Davenport) (NC)
(P) Emmerts(Fidora)	2.8 NE,lake SW	1000	32 S6	80 oct. Poles NW,SE.
Eno(Ft.Dodge)	2.5 E,hwy W	1126	27 S6	91 oct.
(P)Estherville	3.5 E,hwy S	1298	35 L S6	80 oct. Port rnwy lgts.
Goodrich&Gross (Strawberry Pt.)	3.5 W,RR NE	1200	19 S1	Ltd 80 oct. Poles SE,SW.
Grand	1.2 SW,RR N	770	20 S2	80 oct. (Grand Mound)
Grundy Center	1.3 ENE,RR S	990	18 S1	80 oct. Pole line S.
Guthrie Center	0.5 NW,riv E	1074	21 S1	80 oct.
Henry st(Floyd)	5 NNE,RR W	1110	14 S1	80 oct. Poles ENE. Steep sloped strips.
(P)Hunter (Cedar Rapids)	3 S, riv N	732	27 L3 S6	80,91 oct. Fld lgts prior req. Poles S, E.
(P)IOWA CITY	1.7 SW, riv E	650	43h R1 L1 S6	80, 91 oct. No sto.
Iowa Falls	4.1 S, RR E	1140	24 S2	80 oct.
Jefferson	0.8 NNW,RR S	1052	23 S6	80 oct. No sto. Poleline
Keokuk	4.6 NNW,riv E	670	28 S1	Ltd 80 oct. N.
Lake City	3.5 NNE, RR S	1200	26 S1	80 oct.
* Lamoni Int,10, KC-MP	3 WNW, RR NE	1163	37 L3 S2	73 oct.
Leon	4.1 N, RR SE	1050	20 S2	80 oct.
McVille (Mechanicsv'l)	3.2 WNW,RR S	850	30 S6	80 oct. Poles S,W.
(P)MASON CITY	7 W,hwy S	1215	56h R1 L5 S6	80,91,100 oct. Poles SS
Melbourne	1.5 SW	1000	20 S1	80 oct. Poles N.
Melbourne,com.	0.3 S,RR E	1000	21 S2	80 oct. Pole line E.
* Montezuma Int, 17, OH-CG	3 E,hwy N	953	32 R1 L3	Poles, trees SW. Pwr line N.
Mt. Ayrport (Mt. Ayr)	6.6 N, RR N	1100	21 S1	Ltd 80 oct. Poles N,NE
Mt. Pleasant	2.6 ESE,RR N	727	19 S2	80 oct.
(P) Muscatine	6 SW,RR SE	546	36 L3 S6	80 oct.
Newton	1.5 ENE,hwy S	950	19 S1	80 oct.
Niederhauser	2.3 N, hwy E	690	30 S6	80 oct. (Marshalltown)
Niederhauser Arwys(Grinnell)	4.5 E	1000	26 S2	80 oct.
Ottumwa	3.6 N,hwy W,S	830	32 S6	80, 91 oct
(N)Ottumwa NAS	6.4 NNW	841	52h R1 L5 S6	73,100 oct. (N)
Pella	3.5 SE,RR N	877	24 S6	80 oct.
Pocahontas	0.8 E	1216	25	Pole line SW
Ryan (Emmetsb'g)	1.3 W,RR N	1225	18 S2	80 oct. Trees NW.
Sac City	3 SSE,riv W	1160	19 S2	80 oct.
Saxon(Ced.Rpds)	7 NE,hwy S	820	21 S6	80 oct. Trees E,SE.
Seymour	2 NNW,RR S	1060	24 S1	80 oct. Hedge S.
Squeeze(Algona)	5 S,riv S	1201	26 S2	80 oct. Pole line NW,W
* Stuart Int,8,OH-CG	3.5 SE,rd E	1189	31 L3	Pole line NE,E.
Tatro Fly.Svc.	2.6 NW,riv W	918	26 S2	30 oct. (Decorah)
Traer	1 ENE,RR SW	895	18 S2	80 oct. Pole line E.
Venture(Ottumwa)	2.8 SSE,RR W	800	13 S6	80 oct. Poleline N,W,NE
Washington	1.5 SSE,RR NE	769	26 S6	80 oct. Poleline E,SE.
Webster City	3.3 SW,riv E	1100	26 S4	80 oct. No sto.
Wesley	1.5 E,RR N	1250	31 S1	80 oct. Poleline N,S.
Mosher(Riceville,Ia)	1 W,hwy S	1263	26 S4	80 oct. P-line S. Data unver
KANSAS				
(A)Fairfax (Kans.Cy)	3 NE,RR E	742	65h R1 L5S4	91, 100 oct. (A)
Fisher	1 ESE,RR N	770	26 S6	80 oct.(Edwardsville)
Leavenworth Le-compton	3.6 WSW,RR E	1125	14 S4	80 oct. No sto. Trees, bldg S.
(A)Sherman(Ft. Leavenworth)	1 NNE,RR W	771	60 R1 L5 S4	73, 91, 100 oct. (A)
MINNESOTA				
(P)Albert Lea	2.3 N, RR E	1255	32 S6	80 oct. No sto. Poleline
Amboy	1 NNE, RR W	1000	24 S1	80 oct. N.
Blue Earth	3 S,RR E	1111	23 S1	80 oct. Poleline E.
Decker(Austin)	1.7 E,hwy N	1224	26 S4	73 oct. Obsts sur fld.
Fairmont	3.1 S,hwy W	1190	24 S1	80 oct. Poleline W.
ROCHESTER	1.7 SSE,RR W	1040	43h R2 L4 S6	80,91 oct. Poleline E,N
Sherburn	2 WNW,RRs S,E	1300	21 S2	80 oct. Pwr line ESE.
Tri-Mont	0.9 S,RR W,E	1250	22	(Triumph)
MISSOURI				
Bailey's (Brook-field)	2 WSW,RR N	800	26 S2	80 oct. Pwr line SE. Poles E,SE;NW blckd
Bailey's Arpk (Chillicothe)	2 SSE,RR W	675	32 S6	80 oct. Poles S.
Bowling Green	1.6 NW,RR E	882	25 S2	80 oct. Poles S, pwrline
(P)Bradley(Moberly)	3 NNE,hwy W	865	37h S6	80 oct. Obsts, SE
Cameron	2 E,RR NW	1050	21 S4	80 oct. Poles N,W,NNW.
* Chillicothe Int, 7, KC-CG	3 ESE,RR N,SW	780	25h R1 L3	Pole line S, trees SW 4000' strip avail
Edwards	1.2 ENE,RR W	920	17 S1	Ltd 80 oct. (Grant City)
Fayette	1.5 S	660	28 S2	80 oct. Data unverified.
Fordyce(Bethany)	4.8 ESE,RR WNW	1050	22 S2	80 oct.
Green(Mexico)	4.3 ESE,RR S	815	36 L S6	80 oct. Port rnwy lgts.
Hannibal	4.3 WNW,hwy N	735	28 L S6	80 oct. Poleline SW.
Heart of America (Kansas City)	4 E,RR E	759	23 S6	80 oct. Port rnwy lgts. Poles, trees S.
Independence	5.8 ESE,RR S	825	23 S6	80 oct. Poles S.
KANSAS CITY	2.5 NW,riv W,S	739	52h R3 L6 S6	80,91,100 oct. Poles E,
Kirksville Arpk	Adj SE	927	26	Clsd for winter; dike W.
12, KC-CG	7 SE,hwy NE	970	39h R1 L3 S6	91, 80 oct.
Lexington	3 WNW,RR NW	650	33 S6	73 oct. Poleline S,W,SW
* Luray Int,16,	1.9 ESE,hwy N	727	26 L3	KC-CG
Marceline	1.5 N,RR SE	855	20 S1	80 oct. Pole line NNE
* Marshall Int,7, KC-LS	1.8 S,hwy E	800	39 R1 L3 S2	80 oct. Silo NE corner
(P)Maryville	2.2 WNW,RR N	1154	25 S6	80,91 oct.
Nicholas(Marshall)	3.5 S,hwy W	770	25 S4	80 oct. Pwr line S.
* Osborn Int,4,	1.5 NW, hwy S	1046	32 L3	KC-MP
ROSECRANS	4 NW,riv S	821	60h R1 L5 S4	(St. Joseph) 80,91,100 oct
Savannah	1.3 E, RR W	1025	13 S1	80 oct. Fld lgts on req
Slater	0.8 NW,hwy SE	850	26	Pole line adj N.
Unionville Arwys	1.5 ESE,hwy NE	1100	24 S2	80 oct. Pole line N.
Vaughn(Trenton)	1.2 NNW,RR E	790	26	
WISCONSIN				
(A)Camp McCoy(A)	2.6 E Sparta	830	38h	RR W
(P)La Crosse	5 NNW,bet rivs	653	53h L5 S4	80, 91 oct.
* Int,23A,	8 NNW,RR NE	667	37 R1 L3	Pole E.(CG-Twin Cys)
* Lone Rock Int, 15,CG-Twin Cys	2 N,rd W,N	714	39 R1 L3 S2	Ltd 80 oct. Poleline NE
Red Rock (Darlington)	5 SE,RR E		12 S1	80 oct. Data not verif.
Richland Center	6 SSE,hwy W		23 S1	80 oct. Trees E,S. Data not verified
Shullsburg	0.5 S	1000	18 S1	80 oct. Trees SW. Data not verified
Sparta-Angelo	2.2 NE,RR E	800	25 S1	80 oct. Poles sur fld.
* Tomah	1 E,RR N	970	18 S1	73 oct. 180' hill E.
(P)Camp Williams (Camp Douglas,Wisc.)	1 N, RR SW	915	45h S2	No fuel. Rnwy data unver. Obsts SE,S. Clsd winter.
Elkader Ia.	1.1 ESE;RR S	915	17 S2	80 oct. Pole line NW;
Independence Ia.	4.1 W;RR E	990	23 S2	80 oct. Poles N.
Roth (Oskaloosa)Ia.	2 SSE;RR NE	850	20 S2	80 oct. Trees sur fld.
Wicks (Garner)Ia.	1.8 NW;RR S	1230	26 S2	80 oct. Poles NW,SW.
Winterset Ia.	2 W;RR E	1130	20 S4	80 oct.
Dulacy,new(Ill.)	9.5 E	760	54h	Data unverified.
Daviess County (Gallatin,Mo.)	1.1 W,RR N	930	16 S1	80 oct. Pole N.
Wiese Fly. Serv. (Lone Tree, Ia)	3.4 NNE		26 S2	80 oct. Hi-line N. Data unver

A-hard surfaced runways, R-radio facilities, L-lighting facilities, S-servicing. (See page xiii) NC (not charted). ⟶ NEW OR REVISED DATA.

RADIO AIDS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ASHBURN LFM	(- -)	LFM, 152°, 6.25	Chicago
BRADFORD (Int.)	382 (MQ)	MHT	(4)
CHICAGO	350(CG)(116.1)	SBRAZ-VDTX,152°,2.2	(3); 116.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
GLENVIEW (Navy)	269 (NBU)	BMLZ-DT	(3); 140.58, 142.74
Glenview NAS	236(142.74, 140.58)	CN, 140°, 3	(3); 140.58; 3117.5 on req.
HARVEY (Rubinkam)	385 (GH)	MLWZ, 90°, 2.2	
JOLIET	257 (JO)(116.1)	SBRAZ-VDT,126°,3.7	(4); 116.1
NEWARK FM	(- - -)	FM, 246°, 49	Chicago
PEORIA	356 (PI)	SBMRAZ-DT,178°,2.3	(4)
ROCKFORD (Machesney)	338(RD)(116.1)	SBRAZ-VDT,45°,1.8	(4); 116.1
INDIANA			
LOWELL FM	(. . - -)	FM, 152°, 40	Chicago
McCOOL (Int.)	359(ML)(116.1)	MHVT	(4); 116.1
McCOOL FM	(- - - -)	FM, 270°, 67	Goshen
WISCONSIN			
GENERAL MITCHELL (Milwaukee)	278 (116.5)	C	(4); 116.5
GENESEE FM	(- - -)	FM, 279°, 25.3	Milwaukee
KENOSHA FM	(- -)	FM, 178°, 24.7	Milwaukee
MADISON (Truax)	400(MA)(116.1)	BMLZ-VDT,314°, 2.6	(4); 116.1
MILWAUKEE (General Mitchell)	242(MK)(116.1)	SBRAZ-VDT,352°,2.5	(3); 116.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

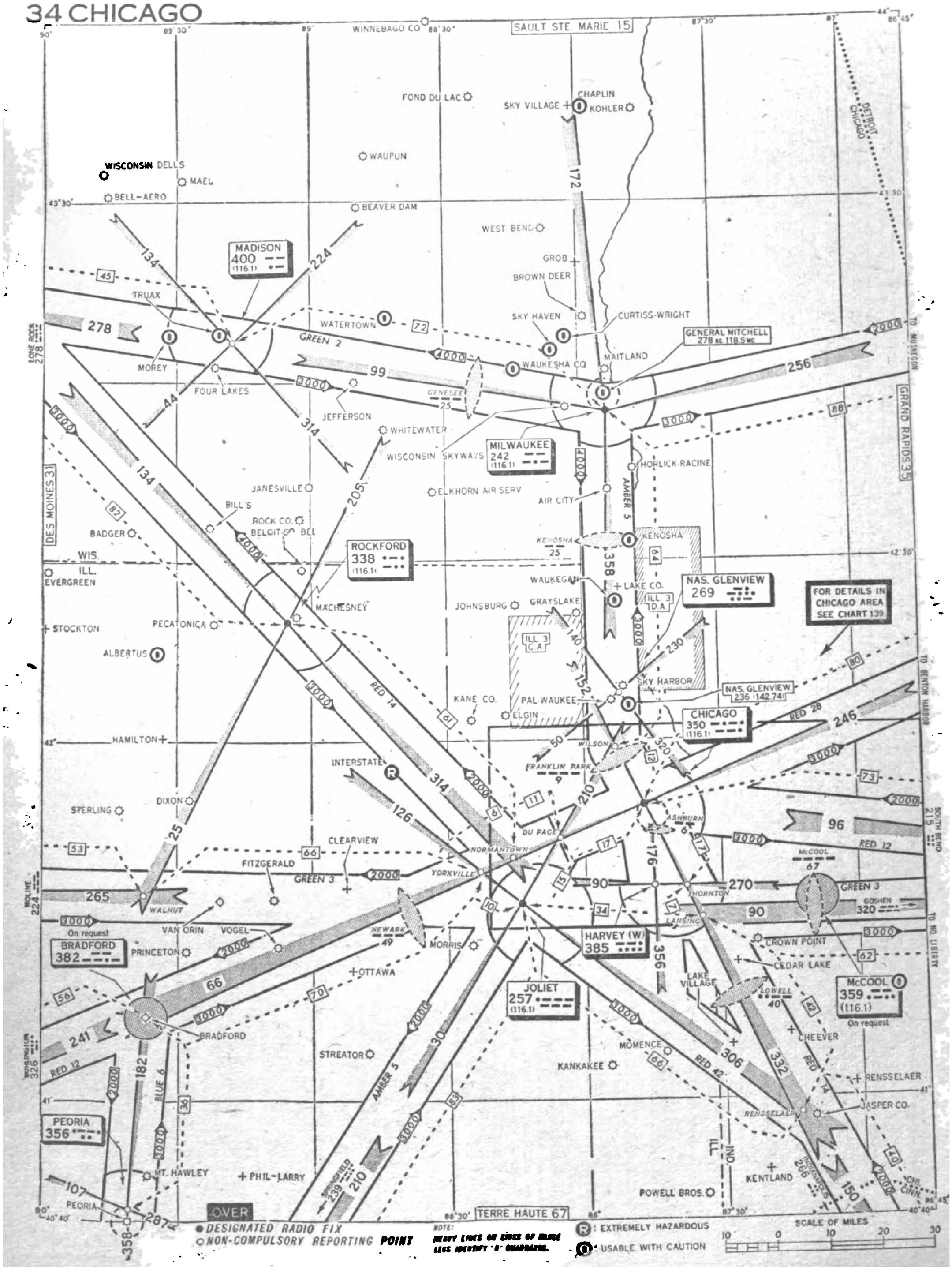
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. -|- - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ILLINOIS

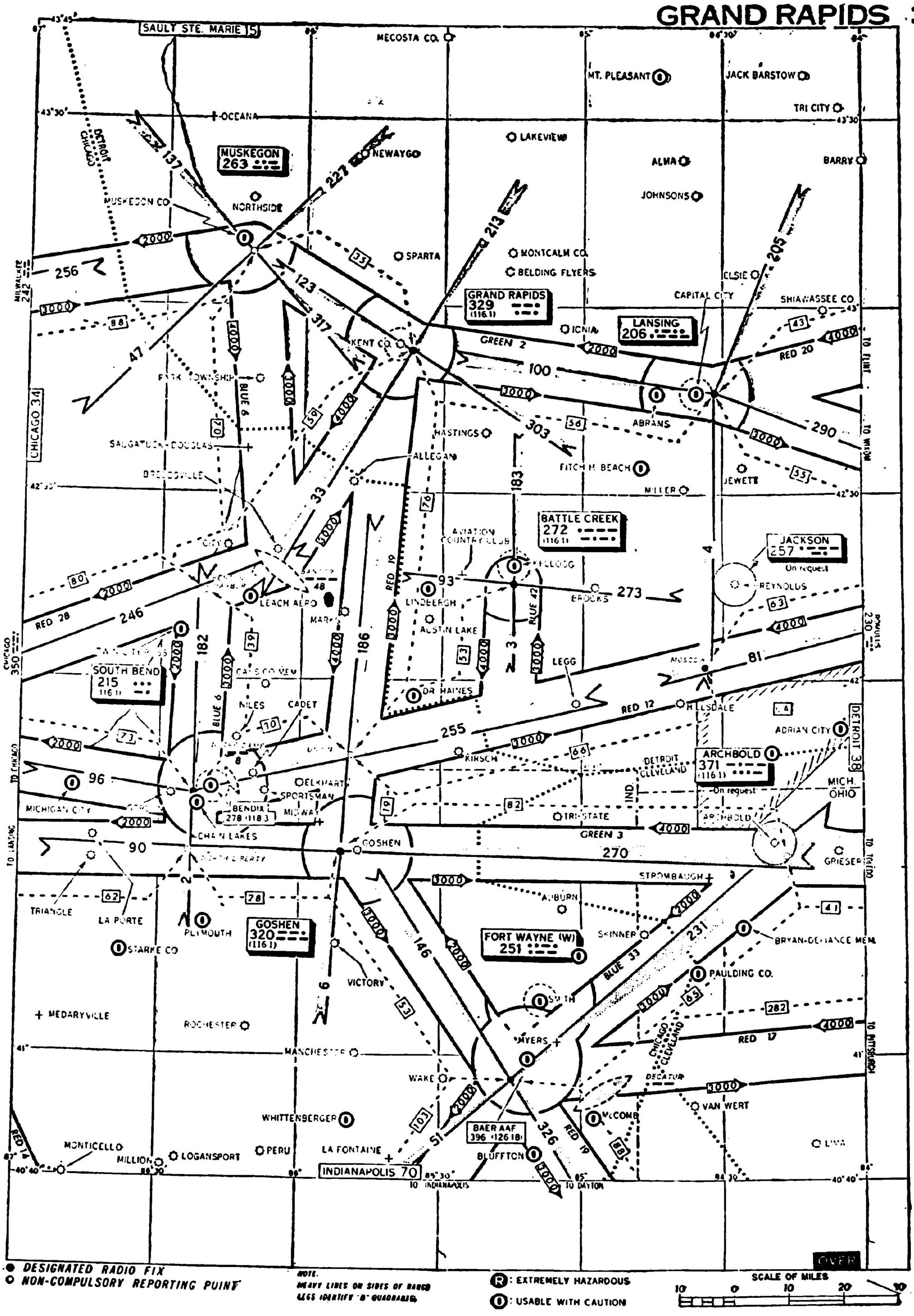
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Albertus (Freeport)	3.8 SE,RR S,W	740	33 S4	73 oct. Tank S.
➡ Beloit-S.Beloit (S. Beloit)	1 S; RR E	772	33 S6	80,91 oct. Trees, bldg SW.
✈ Bradford Int,29, KC-CG	4.5 NNE	795	26 R1 L3 S1	80 oct. Pole line SW, NE.
Clearview (Earlville)	3 E; hwy S		18 S1	80 oct. Data unver.
Dixon	1.9 ESE,RR S	786	26 L3 S6	73 oct. No bndry lgts. Poles N,S.
Elgin	2.2 N; hwy W	770	24h S1	80, 91 oct.
Evergreen (Warren)	1.4 SSE;hwy S	1000	26 S1	80 oct. Trees W.
Fitzgerald (Mendota)	1.5 NW;lake E	800	22 S6	80 oct. Trees E.
(N)Glenview NAS (N)	1.6 NW;RR W,E	654	63h R2 L3 S6	91,100 oct. No sto. NAFC
Grayslake	1.1 ENE;rd W	791	26	Trees W,S,E
Interstate (De Kalb)	1.8 E;RR W	900	42h	
Johnsburg Airpark	0.4 SSW;riv S	740	20 S4	80 oct.
➡ Kane County (Elgin)	7 WNW;hwy E	910	21 S4	80 oct. Trees E,SE,NW
Kankakee	3.2 WSW;hwy E	625	26 S4	73,80 oct. Use strips only. Ditch N.
Kiswaukee (Sycamore) (NC)	2.1 SW; rd E	830	18	
Lake County (Waukegan)	4.4 NNW	718	40 S6	80,91 oct. Data unver.
Machesney, 7, CG-Twin Cities (Rockford)	6 NNE;riv W	735	29 R1 L4 S6	73,80 oct. Pole line E.
Momence	3.5 SW;riv NW,N	645	23 S2	80 oct. Trees N,NW,NE.
Morris	4.5 N;hwy W	590	21 S2	73 oct. Poles N,NNE.
Mt. Hawley (Peoria)	6.4 N;rds E,S	700	28 S6	80 oct. Pole line S,E.
Pal-Waukee (Glenview)	5.5 WNW;RR S	642	26 L3 S6	80,91 oct. Pole line N.
Pecatonica	1 N;hwy E	750	24 S1	73 oct. Poles E.
(P)PEORIA	4.8 WSW;rd E	659	44h R1 L5 S6	80,91 oct. Trees W,bldgs NE.
Phil-Larry (Roanoke)	4 W	747	23 S6	80 oct. Data unver.
Powell Brothers (Sheldon)	2.2 S;hwy NE	650	20 S2	80 oct.
Princeton	3 N; creek N		18 S2	80 oct. Data unver.
Sky Harbor (Northbrook)	1.6 NW;RR SE	680	26 S6	80,91 oct. Port rnwy lgts.
Sterling	1.4 NW;hwy E	645	25 L3 S4	80 oct. No bcn. Lgts prior req.
Stockton	2.3 SSE	940	18 S1	80 oct. Data unver.
Streator Air Service	2 ENE;hwy S	650	26 S4	80 oct. Pole line E.
* Van Orin Int. 34, OH-CG	1 ENE;RR S	828	33 L3	Poles W.
Vogel (La Salle)	6.5 NNW;RR E	664	26 S2	80,90 oct. Soft when wet. Poles N,W
Waukegan	3.5 NW;hwy E	725	22 L1 S5	80 oct. Bldg SE.
Will County (Steger)	0.5 S;RR W	740	15 S6	Pole line S. No sto or fuel.
INDIANA				
Cedar Lake	1.5 NNW;lake E	751	28 S4	73,80 oct. Data unver.
Cheever (Demotte)	3 W		29 S1	80 oct. Data unver.
Crown Point	1 N		30 S1	80 oct. P-line E. Data unver.
➡ Jasper Co. (Rensselaer)	1.5 WNW;RR NE	678	32 L3 S4	80 oct
Kentland	6 ENE		19	Data unver.
Lake Village	1 NW;hwy S	650	22 S2	80 oct. Data unver.
Rensselaer	10 NE		18	Data unver.
WISCONSIN				
Air City (Sturtevant)	0.6 SE;RR E	633	25 S4	80 oct. Pole line NW.
Badger (Monroe)	1.8 SW;RR N	1060	20 S1	80 oct.
Beaver Dam Inc.	2 N;lake W	914	15 S1	90 oct.
Bell-Aero Service (Baraboo)	4 NNW;hwy W	980	21 S4	80 oct.
Bill's (Broadhead)	1.8 S;riv S,W	780	23 S1	80 oct.
Brown Deer (Milwaukee)	10 NNW;RR E	681	25 S6	80 oct. Pole lines N;trees SE.
Chaplin Arpk (Plymouth)	0.5 N;RR W		22 S2	80 oct. Data unver.
Curtis-Wright (Milwaukee)	9 NW;riv SW	750	30 S6	80,91 oct. Rnwy data unver.
Elkhorn Air Service	1.5 N;hwy E	1000	13 S1	80 oct. Rough and rolling.
Fond du Lac	2.6 ENE;lake WNW	769	26 S2	80 oct. 50' hi-line N.
(P)Four Lakes (Madison)	3 SSE;lake N	881	30 S6	80 oct. Obst lgts prior req.
➡ GENERAL MITCHELL (Milwaukee)	6 S;RR E	676	50h R2 L4 S6	80,91,100 oct.
Grob (Cedarburg)	2 N	875	24 S4	Data unver.
Horlick-Racine (Racine)	2 N;RRs E,W	665	25h L1 S6	80,91 oct. Trees N,SE.
Janesville City (Janesville)	1.8 NNE;RRs NW	880	26 S6	80,91 oct. 61' twr SE;p-line SE.
Jefferson	1.7 WSW;RR E	800	13	Pole line N.
Kenosha	2 S; RR W	623	29 L S6	80,91 oct. Flood lgts.
(P)Kohler	1 N;hwy S	647	30 L1 S6	80 oct. Obsts sur fld.
Mael (Portage)	1.6 NW;lake SE	820	26 S6	80 oct. Obsts sur fld.
Maitland (Milwaukee)	3 ESE;hwy W	590	25 S6	80,91 oct. Stack S.
Morey (Madison)	9 WNW;hwy E	928	34 S6	80 oct. 30' pole line S.
(P)Rock County (Janesville)	4.5 SSW;RR W	807	54h L5 S2	80,91 oct.
Skyhaven (Milwaukee)	10.5 WNW	800	26 S1	80 oct. Pole line N;trees E,S.
Sky Village (Plymouth)	1.8 WNW	900	18 S1	80 oct. Data unver.
(A)TRUAX (Madison)	5 NE;hwy E	858	60h R1 L5 S2	80,91 oct. ARMY TMP INACT; CIVIL FACS
Watertown	1.2 S;riv W	820	24 S2	80 oct. Bldg W.
Waukesha County	1.8 N;rd jct NW	904	31 S6	80,91 oct. Pole line S.
Waupun	3.5 W;RR E	912	14 S1	80 oct.
West Bend Flying Service (West Bend)	2.5 E;riv S	880	21 L3 S6	80 oct. Fld lgts prior req. Poles sur fld.
Whitewater	2 N;RR S	810	22 S5	80 oct. P-line E,ENE;ridge E.
(P)Winnebago Co. (Oshkosh)	2 SSW;RR NE	776	50h L1 S4	80 oct. No sto. P-line NE,N,W. Rnwy data unver.
Wisconsin Dells-Lake Delton (Lake Delton)	0.8 SE;riv NW	910	24 S6	80 oct. 2 hills SW;trees,pole line NW,NE,SE.
Wisc. Skyways(Hales Corner)	0.7 SSE;hwy W	770	21 S2	80 oct. Trees SW.
➡ Hamilton Arpt (Polo) (Ill)	2.5 NE	765	25 S3	80 oct. Data unverified.
← Ottawa (Ill.)	Adj NW		22 S2	80,91 oct. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). ➡ NEW OR REVISED DATA

34 CHICAGO


90°
89° 30'
89°
88° 30'
87° 30'
87°
86° 45'
WINNEBAGO CO
SAULT STE. MARIE 15
FOND DU LAC
CHAPLIN
SKY VILLAGE
KOHLER
DETROIT
CHICAGO
WISCONSIN DELLS
MAEL
BELL-AERO
WAUPUN
BEAVER DAM
WEST BEND
GROB
BROWN DEER
MADISON
400
(116.1)
134
224
45
TRUAX
278
WATERTOWN
72
SKY HAVEN
CURTISS-WRIGHT
GENERAL MITCHELL
278 RC 118.5 MC
LONE ROCK
278
GREEN 2
4000
99
MOREY
FOUR LAKES
3000
WAUKESHA CO
MAITLAND
2000
TO MUSKEGON
256
44
GENESEE
25
JEFFERSON
314
WHITEWATER
MILWAUKEE
242
(116.1)
WISCONSIN SKYWAYS
HORLICK-RACINE
GRAND RAPIDS 35
DES MOINES 31
134
JANESVILLE
ELKHORN AIR SERV
AIR CITY
AMBER 5
205
BILL'S
ROCK CO.
BELOIT-SO. BEL
82
BADGER
ROCKFORD
338
(116.1)
KENOSHA
25
WIS.
ILL.
EVERGREEN
358
64
42° 30'
WAUKEGAN
LAKE CO.
NAS. GLENVIEW
269
FOR DETAILS IN
CHICAGO AREA
SEE CHART 139
JOHNSBURG
GRAYSLAKE
ILL 3
D A
ILL 3
C A
140
230
MACHESNEY
PECATONICA
STOCKTON
ALBERTUS
SKY HARBOR
NAS. GLENVIEW
236 (142.74)
TO BENTON HARBOR
80
RED 14
KANE CO.
PAL-WAUKEE
ELGIN
CHICAGO
350
(116.1)
RED 28
246
42°
HAMILTON
WILSON
50
320
INTERSTATE
FRANKLIN PARK
9
73
2000
DIXON
STERLING
126
210
ASHBURN
96
RED 12
SOUTH BEND
215
DU PAGE
CLEARVIEW
53
66
FITZGERALD
GREEN 3
NORMANTOWN
McCOOL
67
265
WALNUT
YORKVILLE
90
270
THORNTON
GREEN 3
GOSHEN
320
On request
VAN ORIN
VOGEL
NEWARK
49
LANSING
CROWN POINT
BRADFORD
382
PRINCETON
MORRIS
OTTAWA
66
JOLIET
257
(116.1)
HARVEY (W)
385
356
LAKE
VILLAGE
CEDAR LAKE
LOWELL
40
McCOOL
359
(116.1)
On request
241
BRADFORD
STREATOR
AMBER 5
MOMENCE
306
332
CHEEVER
RED 12
182
BLUE 6
RED 42
RED 14
RENSSELAER
JASPER CO.
PEORIA
356
MT. HAWLEY
PHIL-LARRY
SPRINGFIELD
239
210
POWELL BROS.
KENTLAND
INDIANAPOLIS
266
150
107
PEORIA
287
358
TERRE HAUTE 67
88°
87° 30'
86° 45'
40° 40'
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF BLOCK
LEGS IDENTIFY "R" QUADRANTS.
R: EXTREMELY HAZARDOUS
: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

GRAND RAPIDS 35



RADIO

INDIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BAER, FORT WAYNE	396 (126.18)	CA (ILS)	(3); 142.74,126.18 (16-8)
BENDIX (South Bend)	278 (118.3)	C	(4); 118.3,126.18,131.9
→ DECATUR FM	(- -)	FM, 99°,17.1	Ft. Wayne
→ FORT WAYNE (Baer Field)	251 (FW)	BMLLZ-DT,51°,3.5	(4)
GOSHEN	320(GO)(116.1)	SBRAZ-DTV,89°,2.7	(4); 116.1
NOTRE DAME LFM	(- -)	LFM, 75°, 8.2	South Bend.
SOUTH BEND (Bendix)	215(SN)(116.1)	SBMRAZ-DTV,75°,3.3	(3); 116.1

MICHIGAN

BANGOR FM	(- - -)	FM, 213°, 48	Grand Rapids
BATTLE CREEK (Kellogg)	272(JC)(116.1)	BMLZ-DTV, 3°,3.2	(4); 116.1
GRAND RAPIDS (Kent County)	329(GR)(116.1)	BMRLZ-DTV,303°,2	(4); 116.1
JACKSON (Reynolds)	257 (JN)	MHT	(4)
LANSING (Capital City)	206 (LJ)	SBMRAZ-DT,280°,3	(4)
MUSKEGON (Muskegon County)	263 (UK)	BMLZ-DT,317°,2.8	(4)

OHIO

ARCHBOLD (Int.)	371(YV)(116.1)	MHTV	(4); 116.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)					
Baer, Indiana	110.3 ----		314° Mag.	IM-	(.05)	MM- ····· (1.05)		OM- -- (4.55)	
						MMK-		OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

INDIANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Auburn	1.3 NNW;RR E	872	27 S2	73,80 oct. Trees sur fld.
(A) BAER (Fort Wayne) (A)	7 SSW;RR E	798	63h R3	TMP INACT NO FACS(See Spl Not.)
← BENDIX (South Bend)	3.5 NW;hwy S	778	48h R2 L3 S6	80-100 oct. Pole line S, N.
Cadet (South Bend)	6.5 NE;RR E	730	33 S4	80 oct. Twr W; pole line E.
Chain Lakes (South Bend)	5.2 W;hwy N,S	765	22 S3	80 oct.
Culver (NC)	2 E;lake W	815	26	
Elkhart	2.7 NNW;RR S	752	27 S6	73,80 oct. Hedge N.
Gordon (New Carlisle)	2.8 ESE;hwy N	730	13 S1	Fuel avail. Poles E.
(P) Goshen	4.5 SSE;riv SW	823	39 R1 L3 S6	80,91 oct.
La Fontaine	5 NE;hwys N,W		19 S4	80 oct. Data unver.
La Porte	2.5 SSW,RR W	801	29 L3 S6	80 oct. S & SW blocked
Logansport	4.4 SSW;hwy E	605	27 S1	80 oct. Port rnwy lgts. Poles E,N
McComb (Decatur)	0.9 NW;hwy E	800	20 S4	80 oct. Poles S.
Manchester (No. Manchester)	1.5 W;RR E	752	21	Poles S.
Medaryville	1.1 NW	645	24 S1	80 oct. Data unver.
Michigan City	4 E;RR N	650	24 S1	80,91 oct. Pole line E,W,S.
Midway (Goshen)	5 NW		36	Data unver.
Million (Logansport)	7 SW;riv 2 N	594	15	Pole S.
Monticello (Chalmers)	3 ENE;RR W	650	26 S2	80 oct. Hwy W.
Myers (Fort Wayne)	4 SE		24 S2	80,91 oct. Pwrline NE. Data unver
Peru	3.5 WSW;riv E	740	38 S5	80 oct.
(P) Plymouth	1.5 NW;RR E	898	32 S4	80,91 oct. Poles W,E.
Rochester	1.5 E;RR N	779	18 S4	73 oct. Lake S. Poles N.
Smith (Fort Wayne)	4.5 N;RR E	831	35h L4 S5	80 oct. No sto.
Sportsman (Mishawaka)	3.7 NE;riv S	760	18 S4	73 oct. No sto. Poles E, S.
Starke County (Knox)	1.7 S		26 S3	80 oct. P-lines sur fld. No sto.
Triangle Air Service (Wellsboro)	2 NNE;hwy S	800	23 S2	80 oct. Poles E. Data unver.
(P) Tri State (Angola)	4.2 W;lake W	900	30 S4	73 oct.
Victory (Warsaw)	4 N;RR E	790	24 S2	Ltd 73 oct. Obsts sur fld.
Wake (Huntington)	4 N;hwy E	750	30 S2	80 oct. Trees NE.
Whittenberger (Wabash)	1.5 NNW;hwy E	770	20 S2	80 oct.

MICHIGAN

Abrams (Grand Ledge)	1 NE	844	26 S2	80 oct. Pwr line S,W. Data unver.
→ Adrian City Arpt (Adrian)	3 SW;RR N	800	25 S6	80,91 oct. Obsts sur fld.
Allegan	1.9 E;RR S	701	21 S4	80 oct. P-line N,E,S. Blocked.
→ (P) Alma	1.3 NE;riv SE	750	32 S6	80 oct.
Austin Lake (Kalamazoo)	8.5 SSE;lake N	860	27 S4	80,91 oct. Poles N.
Aviation Co. Club (Galesburg)	2.5 W		19 S4	80 oct. Data unver.
Barry (Saginaw)	3 WSW;riv S	599	19 S4	80 oct.
→ Belding Fliers Inc.	2.1 W;RR E	790	27 S4	73 oct. Poles S.
Breedsville Airpark	0.6 WNW;RR E	654	23 S4	73 oct. No sto. P-line NE,S,SW.
Brooks (Marshall)	1.3 S;riv N	950	26 L3 S6	80 oct. Trees W, lgtd.
CAPITAL CITY (Lansing)	3.8 NW;RR S	857	42h R1 L4 S6	73,80 oct.
→ Cass Co. Memorial (Dowagiac)	1 NW;RR SE	750	31 S4	80 oct P-lines E,NE.
City (South Haven)	4 S;RR W	640	30 S4	73 oct. Trees W.
Elsie	0.3 SSE;RR NNE	730	19 S1	80 oct. Pole lines sur fld.
Fitch H. Beach (Charlotte)	1.8 ENE;RR NW	880	25 S6	73 oct. No sto.
Haines (Three Rivers)	2.3 NE;riv SE	820	26 S1	80 oct. Poles N, S.
Hastings	3.2 WNW;RR SW	802	34 S3	80 oct. Pole line N.
Hillsdale	1.6 NW;RR E	1160	19 S4	73,80 oct. No sto. Poles NE,E.
Ionia	3 S;hwy W	810	24 S6	73 oct. Poles NW.
Jack Barstow (Midland)	1.4 ENE;RR S	634	27 S3	80 oct. Poles NE,SE.
Jewett (Mason)	1.3 SE;RR W	920	22 S2	73 oct. Poles W.
Johnsons (Ithaca)	1 ENE;RR S	750	17 S2	80 oct. Ltd sto.
KELLOGG (Battle Creek)	3 WSW;RR bed W	936	62h R1 L5 S6	80,91 oct. Fld lgts prior req.
(P) KENT COUNTY (Grand Rapids)	3.5 S;RR NE	681	44h R1 L3 S6	73,80,91 oct. P-line NW,SE. Rdo repairs.
Kirsch (Sturgis)	1 NW;RR E	922	24 S4	80 oct. Poles S.
Lakeview	1.1 NNE;lake S	900	19 S6	80 oct. Poles N.
Leach Aero Service (Hartford)	1 NNW;RR E	664	29	Rnwy data unver.
(P) Legg (Coldwater)	1.3 NW	982	32 S2	80 oct. Trees E.
(P) Lindbergh (Kalamazoo)	4 SSE;RR E	872	40h S6	80,91 oct. Poles S.
Marks (Lawton)	1 N;RR S	770	25 S4	73,80 oct. Poles W, ENE.
Mecosta Co., 5, GR-TG (Big Rapids)	1.5 NW;RR E	928	39 L3 S4	80,91 oct.
Miller (Eaton Rapids)	1 ENE;RR W	908	21 S6	73 oct. No sto.
Montcalm Co. (Greenville)	2.5 S;RR E	800	22 S1	80 oct.
Mt. Pleasant	2.2 NE;RR W	755	36 S4	80 oct.
(P) MUSKEGON COUNTY	3.5 S;lake N	627	40h R1 L3 S6	73,80,91 oct.
Newaygo	0.8 SSE;RR NNW	785	20 S1	80 oct.
Niles	1.5 NE;RR NW	740	24 S2	73,80 oct. Trees N, S.
Northside (Muskegon)	5.4 NNE	590	29 S4	73 oct. No sto. Refinery SW.
Oceana (Rothbury)	1 W;lakes NE		30 S2	80 oct. Data unver.
Park Township (Holland)	3 WNW;bay S	612	27 L4 S6	73,80 oct. No bcn. Lgts prior req.
(P) Reynolds (Jackson)	2.5 WNW;RR S	990	40h R1 L5 S4	80,91 oct. No sto. P-line SE,SW.
St. Joseph Co. (Centerville)(NC)	5 SE;RR,hwy N	830	15	Pole line N, trees W.
Saugatuck-Douglas (Douglas)	2 S;hwy W		26 S1	73 oct. Data unver.
Shiawassee Co. (Owosso)	2 E;riv S;RR W	740	24 S2	80 oct. Poles sur fld.
Sparta	2.7 SE;RR W	752	25 S4	73,80 oct. Poles N.
(P) TRI-CITY (Saginaw)	10 NW;RR SW	660	57h	"SERV & L6 LGTS FOR PCA ONLY
Twin City-Ross (Benton Harbor)	1.5 NNE;RR S	640	38h S6	73,80 oct.
White Cloud (NC)	0.5 N	872	18	Twr SE; poles E, W.

OHIO

★ Archbold Int, 18, CG-LG	3.5 NNW;RR N	716	28 R1 L3	
Bryan-Defiance Memorial (Defiance)	5.2 NW;riv E	705	31 S2	73,80 oct. Pole line S,E.
Grieser (Wauseon)	2.5 E;RR N	750	24 S1	80 oct.
(P) Lima	4 WNW;RR N	830	42 S6	80,91 oct. Pole line N.
Paulding County (Paulding)	2.5 NE;RR W	720	26 S2	80 oct. Poles S. Data unver.
Skinner (Hicksville)	1.6 NNW;RR S	810	26 S1	73 oct. Obsts sur fld.
Stombaugh (Bryan)	0.5 S		24 S4	80 oct. No sto. Fence E; wire W. Data unver.
Van Wert	1 WSW;hwy S	785	26 S6	80,91 oct. Poles N,S,NW,NE.

RADIO

MICHIGAN

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BISHOP (Flint)	278	C	(4)
DETROIT CITY (Detroit)	278	C	(4)
DETROIT NAS	269(142.74)	CN	(3);142.74 (8-17)
DETROIT	201 (TD)	K; 329°,2.2	Detroit City Arpt.
FLINT	335 (FN)	MHT	(3)
ROMULUS (AAF)	230(DT)(116.1)	SBRAZ-VDT 86°,2.5	(3);116.1
SAGINAW	212 (SI)	MHT	(4) (Cont.)
SALINE FM	(- - -)	FM, 261°,20	Romulus
SELFRIDGE (Mt.Clemens)(Army)	388 (DLD)	SBMRAZ	(3); 126.18
Selfridge Field	396 (126.18)+	CA(ILS);119°,2	(3) only
WIXOM FM	(- - - -)	FM, 344°,20	Romulus
YPSILANTI (Willow Run)	341 (DYP)	MH; 360°,0.5	Oper cont.
Willow Run Airport	332(118.7)	CI	(4);118.7 (8-24)

OHIO

AKRON	362(AX)(116.1)	BMRAZ-VDT	(3);116.1
Akron Airport	272 (126.18)	C; 45°,0.4	(4);116.1,121.9,126.18
AKRON LFM	(-)	LFM, 45°,4.5	Akron
AVON LAKE LFM	(- - - -)	LFM, 326°,8.1	Cleveland
BOWLING GREEN FM	(- - -)	FM, 201°,10.3	Toledo
BRECKSVILLE FM	(-)	FM, 100°,13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDT TX, 100° 0.7	(3);116.1
ELYRIA FM	(- - -)	FM,280°,10.9	Cleveland
FINDLAY	209 (JP)	MH	(4)(cont.)
HAYESVILLE (Int.)	329 (HA)	BMHT	(4)(cont.)
HOMERVILLE FM	(. . -)	FM, 31°,83	Columbus
NORTH ROYALTON LFM	(. -)	LFM,145°,10.8	Cleveland
PERRY (Int.)	332(PE)(116.1)	MHVT	(4); 116.1
PORT CLINTON	275(PY)(116.1)	MHVT	(4); 116.1
TOLEDO	239(TL)(116.1)	SBMRAZ-VDT	(3); 116.1
Toledo Airport	263	C; 10°,2.7	(4)
VERMILION FM	(. - - - -)	FM, 280°,26	Cleveland

CANADA

WINDSOR, ONT.	353(QG)	BRAZ-T; 242°,3.3	(4)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in MHz, Compass Locators in Kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (FEW COMPASS LOCATORS)		
SELFRIDGE, MICH.	109.5	332.6	184° Mag.	IM (.23)	MM ·····(.81)	OM --(4.31)
					MMK	OMK

S-Simul Range and Voice W-Without Voice Z-VHF Range Station Location Marker (3) 3105, 3395, 6200 kcs 4) 3105, 3395, 6200, 3111.5 kcs
Parenthetical Numbers in Frequency Column indicate VHF voice — — Army ACS transmits on and guards 119.1, 127.65, 140.55 mcs

AIRPORTS

MICHIGAN

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen's (Pontiac)	5.5 NNE; RR W	1020	26 S6	80 oct. Trees S, SW, SE.
Ann Arbor	4 S; RR E	835	28 L2 S6	80 oct. Trees NE.
Baker's (Port Huron)	3 NNW; RR NNE	585	24 S6	80 oct. Poles N, S, NE.
Berz (Birmingham)	1.5 E; RR SW	700	25 S1	73,80 oct. Pole line N.
Big Beaver	0.8 E; hwy W	650	21 S4	80 oct. Pwr line N.
(P) BISHOP (Flint)	4 SSW; RR NW	781	50h R2 L5 S5	80,91 oct.
Burns (Detroit)	8.5 WSW; RR N	625	19 S6	73 oct.
→ Caro	1 WSW; RR SE	699	22 S2	80 oct. SE blocked.
Center (Armada)	2.3 W; RR S	666	25 S1	80 oct. Pole line NNE.
→ Croswell City	1 W; RR, riv E	732	26 S1	80 oct. Trees S, E. Rcv rqrd
(N) Detroit NAS (N)	17 SSW	594	47h R1 L5 S6	91,100 oct. ARPT OF ENTRY
DETROIT CITY (Detroit)	5.5 NE; RR S	625	53h R1 L4 S6	73,80,91 oct. Tank W side.
Ford (Detroit)	8.8 SW; RR N	600	37h	PRIVATE.
Forrest (Postoria)	2.4 S; riv SE	830	24 S1	80 oct. Pole line sur fld.
Hance (Wyandotte)	2.5 W; hwy W	590	33 S6	73 oct. No sto.
Hartsell Air Term.(Wayne)	3.5 NW; RR E	675	18 S6	80 oct. No sto.
Howell	0.8 N; lake E	930	20 L1 S1	80 oct.
→ James Clements (Bay City)	3.5 S; riv S, W	599	36 L1 S4	80 oct. Ben prior req.
Nan-Bar (Flat Rock)	0.7 SSE; RR E	590	28 S6	80 oct. Smudge pots prior req. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted).

MICHIGAN

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Krist-Port (Farmington)	3.8 N; jct rds	860	27 S6	73,80 oct. Obsts sur fld.
(P) Lapeer	2.4 ENE, RR S	830	34 S6	80 oct. No sto.Poles NW;bldg W.SW
McEnnan (Ypsilanti)	2.7 SSW; rd E, S	738	23 S4	80 oct.
McKirley (Fraser)	1.3 NW; RR E	620	27	Pole line E, NE.
Nettetal (Plymouth)	1.5 SSE; RR E	700	23 S6	73,80 oct. Poles N, W.
Milan	3.8 SW; RR SE	705	23 S2	73 oct. Pole line N.
Monroe (Newport)	3.5 SSE; hwy SE	590	29 S4	73 oct. No sto.
Nat'l Ply. Serv (Detroit)	11.5 WSW; RR N	635	30 S4	73 oct. No sto.Poles NE, NW.
(N) Newport OLF (N)	3 W	600	20h	
Pontiac	6.4 WNW; RR NE	970	21h L4 S6	80,91 oct. Poles S.
(A) Romulus AAF (A)	3 E; RR N	630	61h R1	CLOSED ARPT OF ENTRY
Saginaw	4.5 E; RR N	601	33 R1 L4 S4	73 oct. Poles S,SE,SW
St. Clair Co (Port Huron)	5.5 SW; hwy S	650	23 L1 S5	80 oct. Poles NE,SE,SW,NW
→ Seely's (Davison)	4 WSW; RR N	780	20 S6	80 oct. Poles N.
(A) Selfridge(Mt. Clemens)(A)	3 E, lake NE	583	60h R3 L5 S6	73,91 oct. JP-1. Poles E. FOREIGN CLEARING STATION.
Stinson (Wayne)	1.4 SW; RR E	660	25h S1	80 oct. Hi-line N, NE.
Tecumseh	1.8 NNE; RR W	815	26 S6	73 oct. Pole line S.
Thomas B.Joy (Detroit)	13 NE; hwy E	615	24 S6	73,80 oct.No sto.Trees SW.
Triangle (Plymouth)	1.5 ESE; hwy S	700	26 S4	80 oct. 30' poles N.
Warren	1.6 WNW; RR E	675	25 S1	73 oct. Pole line N.
→ West's (Clio)	4 SW; RR E	690	21 S1	80 oct.
Willow Run (Ypsilanti)	4 E;RR N; riv S	710	46 L5 S1	73,100 oct.Hi-line N.
Wings (Utica)	2.5 SW; RR E	620	26 S6	73,80 oct.Poles N;stumps NW No sto.
Roseville	0.5 S;hwy W	610	20 S6	73,80 oct.Poles S,SW.

OHIO

(P) AKRON	3.4 SE; RR W	1043	44h R2 L5 S4	80,100 oct. No sto. ARPT OP ENTRY
Ashland	1.8 N	1079	23 S2	73,80 oct. Pole line W.
Bricker (Bowling Green)	1 NE; RR W	675	30 S4	80 oct.
Cooms (Nevada)	0.3 NE; RR S		21 S2	80 oct. Data not verified.
Fenwick (Kellys Island)	1.3 NE	600	18	(NC)
Findlay	1.5 SSW; hwy NW	800	27 R1 L5 S4	80 oct.
Franklin (Toledo)	4.5 WNW; RR S	630	32 S4	80 oct. Pole line all sides.
Gage (Mansfield)	4.5 W; RR SE	1360	13 S2	73 oct.
Galion	1.5 WNW; RR SE	1155	18 S2	80 oct.
(N) Hayesville Int,27,LV-CV	2.5 WNW; hwy S	1300	30 R1 L3	
Hinge (Sandusky)	2.8 E; RR S	574	30 S6	73oct.Poleline S.ARPT OF ENTRY
Kent State	2.8 W; RR S	1120	35 S4	80 oct.No sto.Pole line N.
Ling (Barterton)	3 WSW; RR N	1150	30 S6	80 oct. Obsts sur fld.
McKinley (Canton)	2.3 NE; hwy SE	1100	32 S4	80 oct. Poles N,S,E.
Mansfield(old)	3.8 N; RR E	1300	26h L S6	73,80 oct. Pole line SW,W.
Martin (Canton)	4 NNE; hwy SE	1080	30 L S6	80 oct. Pole line sur fld.
Medina Prichard (Medina)	3 WNW; RR NW, SE	1060	29 S6	80 oct.No sto.Poles S.Rnwys
Miller (North Benton)	1.5 W; RR SE	1070	28 S4	73 oct. Poles S. unver.
National Aviation(Toledo)	4.1 NNE; RR E	595	38 S6	91 oct. Pole line S,W,NNE.
Noble (Massillon)	4.5 NNE; hwy W	1080	22 S6	80 oct.No sto. Pole SSW.
Norwalk	0.8 NE; RR W	700	18 S2	73 oct. Pole line W.
Airpark (NC)	2 NNE; RR W	690	29 S2	73,80,91 oct. Poles W, SW.
Parks Airpark (Norwalk)	4.5 S; hwy E, W	880	29 S1	80 oct. Poles E.
Peninsula (Port Clinton)	3.5 E; RR S	587	36 R1 L3	
★ Perry Int,48,CV-27	2.3 NE; RR S	602	26 R1 L3	Poles E.
Port Bucyrus (Bucyrus)	2 S; RR NW, E	1000	26 S6	80 oct. Poles E. ARPT OP
Put-In-Bay	1.2 SSW	590	16	Poleline NW.PRIVATE. ENTRY.
Slager (Fremont)	2 NW;RR SW	630	19 S6	73,80 oct.No sto.Poleline.
Snyder (Postoria)	1 E; reservoir SSW		32 S1	80 oct.Data unver. N,E,SE.
Taylorcraft (Alliance)	2.5 NNE; RR SE	1170	22h S5	80 oct.No sto.Poles sur fld.
Tiffin	1.9 N;RR W	750	26 S4	80 oct.Poles E.
(P) TOLEDO	8.2 SSE;RR W	621	42h R2 L5 S4	73,83,91 oct.
Wellington	Adj NW; RR W	850	20 S2	80 oct.Stacks NE.Data unver.
Westfield (LeRoy)	1.2 SSE;RR E, S	1030	25 S4	80 oct.Pole line W.Rnwy data unver.
Willard	1.6 SSW;RR NE	960	22 S2	80 oct.Poles W.
(P) Wooster	3 NNE;hwy SE	1150	32 S6	80 oct.Poles S, SE.
Mansfield,mun (new)	5 N	1300	56h S1	73,80,91 oct.
Washtenaw (Ann Arbor) (NC)	5 W		26 S2	80 oct. Hi-line S.Data unver
Bridley (Ypsilanti,Mich.)	4.4 WSW; RR NW	840	24 S5	80 oct.Pole E; woods N.
Delton (Flushing, Mich)	2 ESE; riv W		26 S4	80 oct. Data Unver.
Skyhaven (Saginaw,Mich)	2 NNW; riv E	600	29 S2	80 oct. Trees NE.

→ NEW OR REVISED DATA

38 DETROIT

Ⓡ: EXTREMELY HAZARDOUS Ⓤ: USABLE WITH CAUTION.

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

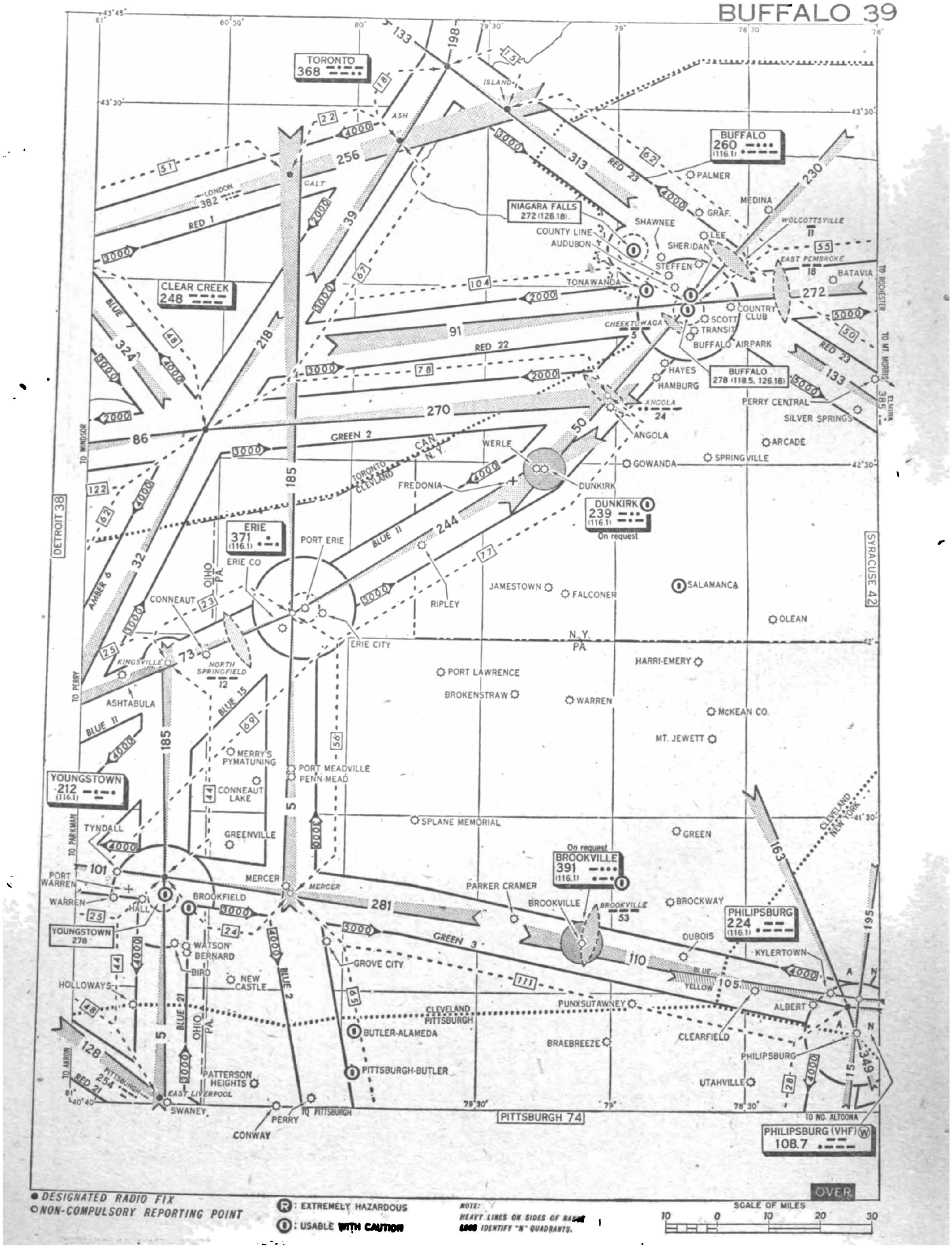
SAULT STE. MARIE 15
JAMES CLEMENTS
SKYHAVEN
SAGINAW
SAGINAW 212
CARO
CROSWELL CITY
MICH. 3 D.A.
GRAND RAPIDS 35
DALTON
WEST'S
On request
FLINT 335
FORREST
BISHOP 278
LAPEER
SEELY'S
BAKER'S
ST. CLAIR CO. MUN.
ALLEN'S
CENTER
OXFORD
SELFRIDGE AAF 388
SELFRIDGE AAF 396 (126.18)
PONTIAC
HOWELL
WIXOM 20
WASHTENAW
ANN ARBOR
GRIDLEY
McENNAN
SALINE 20
ROMULUS 230 (116.1)
MITCHELL BAY
WILLOW RUN 332 (118.7)
NAN-BAR
NAS. DETROIT 269 (142.74)
WILLOW RUN 341
TECUMSEH
NEWPORT OLF
DETROIT
CLEVELAND
MONROE
On request
PORT CLINTON 275 (116.1)
OHIO 6 D.A.
PUT-IN-BAY
MICH.
NATIONAL AVIATION
OHIO
FRANKLIN
TOLEDO 263
PENINSULA
OAK HARBOR
BOWLING GREEN
BRICKER
TOLEDO 239 (116.1)
SLAGER
HINDE
NORWALK
PARKS
SNYDER
TIFFIN
FINDLAY
WILLARD
MANSFIELD MUN.
MANSFIELD
ASHLAND
FINDLAY 209
GAGE
PORT BUCYRUS
GALION
DAYTON 245
COLUMBUS 71
COLUMBUS 391
HAYESVILLE
HAYESVILLE 329
TO NEWARK
TO PITTSBURGH
TO WELLSBURG
TO FORT WAYNE
TO TROY
TO ARCHBOLD
TO LANSING
TO MOSCOW
TO ERIE
TO YOUNGSTOWN
BUFFALO 39
CLEAR CREEK 248
ERIE 371
WINDSOR 353
CLEAR CREEK 248
On request
PERRY 332 (116.1)
FOR DETAILS IN CLEVELAND AREA SEE CHART 139
CLEVELAND 344 (116.1)
AKRON 362 (116.1)
AKRON 272 (126.18)
KENT STATE
MILLER
TAYLORCRAFT
PERRY
HOMERVILLE
MEDINA-PRICHARD
LING
WESTFIELD
WOOSTER
NOBLE
McKINLEY
MARTIN
CLEVELAND
PITTSBURGH
AVON LAKE
VERMILION
ELYRIA
NORTH ROYALTON
BRECKSVILLE
PARKMAN
CAN.
OHIO
MICH.
CAN.
RED 1
RED 12
RED 17
RED 20
RED 27
AMBER 6
BLUE 11
BLUE 15
GREEN 2
GREEN 3
STATUTE MILES
SCALE OF MILES

DETROIT AREA

WIXOM 20
BIG BEAVER
McKINLEY
BERZ
KRIST-PORT
WARREN
THOMAS B. JOY
ROSEVILLE
WINDSOR 353
RED 20
DETROIT CITY 278
DETROIT 201
METTETAL
TRIANGLE
BURNS
NATIONAL FLY. SVC.
HARTSELL AIR TERM.
FORD Ⓡ
STINSON
ROMULUS 230 (116.1)
HANCE
ROMULUS AAF
RED 12
RED 27
GREEN 2
CLEAR CREEK 248
WINDSOR 353
CAN.
OHIO
BUFFALO 39
CLEAR CREEK 248
ERIE 371
PERRY
CLEVELAND 344 (116.1)
AKRON 362 (116.1)
AKRON 272 (126.18)
KENT STATE
MILLER
TAYLORCRAFT
AVON LAKE
BRECKSVILLE
PARKMAN
NORTH ROYALTON
NOBLE
McKINLEY
MARTIN
CLEVELAND
PITTSBURGH
SCALE OF MILES

OVER

BUFFALO 39



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ : EXTREMELY HAZARDOUS
Ⓞ : USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LOBE IDENTIFY "N" QUADRANTS.

SCALE OF MILES
10 0 10 20 30

LOCATION	FREQ., IDENT.	BEAR. & DIST.	FREQ. GUARDED, HRS. OF OPER., REMARKS
ANGOLA FM	(. . - - -)	FM, 230°, 24	Buffalo
BUFFALO	260(BJ)(116.1)	SBRAZ-VDT	(3); 116.1
Buffalo Airport	278 (126.18) (118.5)	AC;230°,0.9	(4);118.5,126.18,131.9
CHEEKTOWAGA LFM	(- - -)	LFM,230°,4.7	Buffalo
DUNKIRK	239(DK)(116.1)	MHVT	(4); 116.1
EAST PEMBROKE FM	(- -)	FM, 92°, 17.5	Buffalo
NIAGARA FALLS AIRPORT	272 (126.18)	CI	(4);126.18 (8-20)
WOLCOTTSVILLE FM	(-)	FM, 50°, 11	Buffalo
OHIO			
YOUNGSTOWN	212(CF)(116.1)	BMRLZ-VDT	(4);116.1
Youngstown Airport	278	CI; 185°,3.5	(4); (630-2030)
PENNSYLVANIA			
BROOKVILLE FM	(- - -)	FM, 290°, 53	Philipsburg
BROOKVILLE (Int.)	391(BR)(116.1)	MHV	(4);116.1
ERIE (Port Erie)	371(ER)(116.1)	SBMRAZ-VDT,64°,2	(4); 116.1
NORTH SPRINGFIELD FM	(- - -)	FM, 253°, 12	Erie
PHILIPSBURG	224 (MJ)(116.1	SBRAZ-VDT,169°,5	(4);126.1
PHILIPSBURG	108.7 (MJ)	VARW	
CANADA			
CLEAR CREEK, ONT.	248 (QO)	BRAZ-T	(4)
TORONTO, ONT.	368 (YZ)	SBRAZ-T	3105,6210,3117.5

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116 1, 137 88, 140 58 mcs

AIRPORTS

NEW YORK

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Angola	1.4 N;RR SE	610	15 S1	80 oct.
Arcade	2 N;RR E,W	1740	22 S4	Ltd 80 oct.No storage.
Audubon (Getzville)	1.7 SSW;RR N,SW	580	19 S6	80 oct.
(P) Batavia	2.4 NNE;rd W	910	30 S6	80 oct.Pole line W.Trees E.
Buffalo Arpk (Gardenville)	1.5 ENE;rd S	680	27 S6	80 oct.
(N) BUFFALO	6.1 ENE;RR NE	712	56h R2 L6 S6	80-100 oct.ARPT. OF ENTRY.
Country Club (Clarence)	2.3 SSE;RR S	800	36 L S6	80 oct.Trees SW.
County Line (No.Tonawanda)	3.4 E;RR SW	577	21 S4	80 oct.
(P) Dunkirk	3 E;RR N,S	692	40h R1 L5 S6	80,91 oct.
Erie Co.Aero Park (Hamburg)	3.5 WSW;RR E,W	750	18	Pole line S.UNUSABLE.(NC)
Falconer	1.3 NNE;RR S	1250	22 S4	80 oct.Obsts sur fld.
Fredonia	3.5 W;RR SE		27 S2	80 oct.Pole line N,NE,E.
Gowanda	1.4 NNW;crk W	760	22 S6	80 oct.No storage.
Graf (Lockport)	2.8 N;RR S	380	15 S6	80 oct.
Hamburg Airpark Inc.	2 NNW;RR,hwy W	722	23 S2	80 oct.Pole line NE.
Hayes (Blasdell)	0.7 SSE;RR E,W	723	20 S4	80 oct.No storage.
Jamestown	4.1 N;hwy E	1719	27h S6	80 oct.Trees S.
Lee (Lockport)	1.8 SSE;hwy N	640	18h S2	80 oct.Pole line N.
Medina	2 W;RR S	500	21 S1	80 oct.Obsts sur fld.
(P) Niagara Falls	4 E;RR N	587	55h R1 L5 S4	80-100 oct.JP-1.No sto.
Olean	1.8 SE;RR N	1440	22 S6	80 oct.Trees W,N;hill S.
Palmer (Olcott)	1.2 SSW;RR S	315	17 S2	73 oct.Pole line E.
Perry Central	1.7 NNW;lk SSW	1400	23 S1	80 oct.Pole line,trees N.E.
Perry Ply.Service (Perry)	3.3 W;RR W	1640	21	Pole lines NNE. (NC)
Ripley	1.4 WNW;lake N	650	22 S4	80 oct.No storage.
Salamanca	1.6 W;RR N,S	1370	12 S6	80 oct.
Scott (Lancaster)	1.5 E;RR N,S	680	22 S1	80 oct.Pole line SW.Rnwy data
Shawnee Flying Service (North Tonawanda)	4.5 NNE;riv SE	580	33 S6	80 oct.Pole line E,W;unverifie
Sheridan (Williamsville)	2.5 NE;hwy SE	640	38 S6	80 oct.No storage.
Silver Creek (NC)	1 WSW;hwy SE	720	11	Trees E, NW.
Silver Springs	0.5 E;lake NE	1420	15 S1	80 oct.
	7.3 NW	570	103 S6	80 oct. Ramp; all face.
Springville	1.5 NE;RR W	1395	26 S4	80 oct.Pole line N,E.Rnwy info
Steffen (East Amherst)	3.5 N	582	22 S6	80 oct.Obsts sur fld. unver.
Tonawanda	3 SSW;RR E	610	30h S4	80 oct.Rough,Obsts sur fld.
Transit (Depew)	2 SSW;RR N	670	13 S2	80 oct.Trees,bldg E.
Werle (Dunkirk)	1.8 ENE;RR N,S	640	22 S1	80 oct.Poles,trees sur fld.
Westfield (NC)	1.5 WSW;hwy N	758	18 L1	S blocked.
OHIO				
Ashtabula	3.1 W;lake N	621	17 S2	80 oct.
Bernard (Youngstown)	3.4 E;lake NE	1140	28 S6	73,80 oct.Pole line N,S,W.
Bird (Youngstown)	2.6 NE; RR W	1000	22 S4	80,91 oct.Pole line W,N.
Brookfield	0.8 W;RR W	1130	20	Poles N,E.
Conneaut	2 ESE;hwy S	670	18 S1	80 oct.
Hall (Warren)	3.5 ENE;RR NW	900	26 S2	73,80 oct.Poles E.
Holloways (Greenford)	1 ENE;RR W	1250	15 S1	80 oct.Wires E.
Sky Harbor (Williamsfield)	1 S;hwy E	1140	26	Poles E. (NC).
Swaney (East Liverpool)	4,9 NW;crk SE	1170	22 S2	80 oct.
Tyndall (Warren)	6 NNW;RR E	940	30 L1 S4	80 oct.No storage.
Warren Airways	2.3 WNW;RR S,E	900	22 S2	73 oct.Trees S.
Watson (Youngstown)	3.8 E;lake S	1080	17 S2	Ltd 73,80 oct.
YOUNGSTOWN	11 N;hwy E	1178	39h R2 L5 S6	73,80,91 oct.
PENNSYLVANIA				
Albert (Philipsburg)	5.5 NNW;rd N	1750	38 S5	80,91 oct.P-line sur fld.Rnwy
Braebreeze (Marchand)	0.3 N;RR NW	1650	18 S2	80 oct. Trees N,NE. data unver.
Brockway	1.3 NE	1700	18	
Brokenstraw (Youngsville)	2.6 W;RR S	1230	17 S4	73 oct.
★ Brookville Int,45A,CG-LG	2 WSW;RR E	1416	30 R1 L3 S1	80 oct.
Butler-Alameda (Butler)	3.4 WNW	1340	24 S6	80 oct.Pole line E.
Clearfield	1.5 WSW;RR SE	1220	20 S1	80 oct.Pole line NE.
Conneaut Lake	1.7 WSW;hwy SE	1250	18 S2	80,91 oct.Pole line SE end.
Conway	0.7 N	950	24 S4	80 oct.Hill N.Rnwy data unver.
Dubois	1.7 ESE;RR NE	1575	30 S6	80 oct.
Erie City (Kearsarge)	0.5 W;hwy E	900	29 L S6	80 oct.Port rnwy lgts.Poleline S
Erie County (Erie)	11.6 SW;hwy N	805	24 S6	80 oct.Poles N,E,S.
Green (Ridgeway)	3 NW;hwy,RR E	1720	21 S2	No fuel.Trees NNW.
Greenville	2.3 W;RR E	1180	17 S2	80 oct.Pole line S.
Grove City	2.1 SSE;RR E	1275	19 S4	80 oct.
Harri-Emery (Bradford)	2.3 WSW;RR E	1490	20 S4	80 oct.
Kylertown	1 WNW	1660	40 S4	80 oct.Trees S,WNW.
(P) McKean County (Bradford)	11 S;RR SW	2140	45h	
Mercer	4.8 NNE;RR W	1300	20 L1 S6	80 oct.
Merry's Pymatuning (Linesville)	1.5 NW;RR E	1200	21 S2	73 oct.Pole line NNE.
Mount Jewett	0.8 ESE;hwy N	2240	19 S4	80 oct.
New Castle	4 WNW;hwy SE	1080	29h S5	80 oct.
→ Parker Cramer (Clarion)	1ENE;riv N	1480	28 S2	80,91 oct.Rnwy data unver.
Patterson (Beaver Falls)	1.5 S;RR,riv E	1020	26 S4	80 oct.
Penn-Mead (Meadville)	3 SSW;hwy E	1365	20 S2	73 oct.
Perry (Mars)	5 E;hwy E	1060	16 S6	80 oct.No sto.Pole line E.
Philipsburg,Site 51A,CG-LG	7 E;hwy N	1940	30h R1 L3	
Pittsburgh-Butler (Butler)	6.7 SSW;hwy E	1235	49 L1 S6	80 oct.
PORT ERIE (Erie)	6 WSW;RR SE	735	46h R1 L6 S6	80,91 oct.
Port Lawrence (Corry)	1.2 S;RR N	1745	23 S2	73 oct.Pwr line NW.
Port Meadville (Meadville)	3.4 W;hwy S	1400	32h L4 S6	80 oct.
Punxsutawney	3 NE;hwy S	1470	22 S2	Ltd 80 oct.Pole line ESE,S.
Splane Memorial (Oil City)	4.1 NNW;hwy E	1490	22h L S4	80,91 oct.Port. rnwy lgts.
Utahville	1N;RR S	1800	22 S2	Ltd 73 oct.
Warren	2 WSW;RR N	1100	23h L S4	80 oct. Port rnwy lgts.
→Port Warren (Warren,Ohio)	1.5 N;RR W		24 S1	80 oct. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII; (NC)-Not charted.
→ NEW OR REVISED DATA

RADIO — NEW YORK

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS GUARDED,HRS OF OPER., REMARKS
DANSVILLE	212(DA)(116.1)	MHVT	(L); 116.1
ELMIRA (Chemung Co.)	385(EA)(116.1)	SBMAZ-VLT,75°,1.8	(L); 116.1
ROCHESTER	206(RC)(116.1)	BMRLZ-VDT	(L);116.1
Rochester Airport	278	CI;238°,2.2	3105,4495 (8-34)
ROME AAP	396 (126.19) +	CA	(L); 116.18 (8-22)
SYRACUSE	350(SR)(116.1)	SBRAZ-VDT	(L);116.1
Syracuse Municipal	278	C ; 173°, 2.2	(L)
TRI-CITIES (Endicott)	278	CI	3105(days)
UTICA	359(UA)(116.1)	BMRLZ-VLT,141°,3.0	(L);116.1

PENNSYLVANIA

ALLENTOWN (Allentown-Bethlehem)	320(XA)(116.1)	SBMAZ-VLT,192°,2.7 (L); 116.1
LAKE CAREY FM	(- - - -)	FM, 259°,20.8 Wilkes-Barre
SLATINGTON FM	(- - - -)	FM, 280°, 12 Allentown
SUNBURY	353(SV)(116.1)	MHVT (L);116.1
SUNBURY	108.5 (SV)	VAR
WILKES-BARRE (Wilkes-Barre-Wyoming Valley Airport)	272(WI)(116.1)	SBMAZ-VDT,241°,2.6 (L);116.1
WILLIAMSPORT	233(IA)(116.1)	BMRLZ-VDT,261°,7.1 (L);116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 127.88, 140.58 mcs.

AIRPORTS — NEW JERSEY

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Martins Creek, Belvidere	3 SSW;riv SE	340	25 S6	80,91 oct.Pole line N.

NEW YORK

Auburn	3.7 NNW;lake E	525	24 S4	80 oct. Poles,trees sur fld.
Binghamton	7.2 NNE;RR NW	940	18 S2	80 oct.Trees N.
Bonnie Brae (Owasco) (NC)	1.7 SW;RR W	960	17	Cattle on fld.
Brizee (Pittsford)	2 E;RR N	422	25 S4	80 oct.Pole line S,NW.
Canastota	1.3 WSW;RR N	540	22 L1 S1	80 oct.
Carthage	1 E;RR NW	740	20 S1	80 oct.
Cayuga (Ithaca)	3.8 WNW;hwy E	1280	23 S1	80 oct.Pole line E.
(P) CHEMUNG CO. (ELMIRA)	6.5 NW;RR S	951	40h R1 L5 S4	80,91,100 oct.
Cicero	0.5 NW;lake SW	416	21 S4	80 oct.
Colgate Univ. (Hamilton)	5.4 N;RR W	1178	25 S6	80 oct.
Commercial (Rochester)	7.3 WSW;RR S	570	18 S4	80 oct.Pole line W.
Community (Whitesville)	1.3 E;riv 1 N	2180	30	20-40' trees E,W,S.
Cortland	1.8 WSW	1144	30 S6	80 oct.Wooded ridge E.
Coste's (Pointed Post)	2.7N NW;RR	960	16 S1	90 oct.Trees W,NW.
Crowner (Wellsville)	1 W;RR E	1506	22 S2	80 oct.Obsts sur fld.
(P) Dansville	1 NW;RR NE	662	40h R1 L3 S6	80 oct.Pole line N.
Eagle Airpark (Horseheads)	1.8 SSW;RR E	900	22 S1	80 oct.Trees S,W.
Fulton	2.6 NNE;rd W	469	40h L2 S4	80 oct.No sto.Lgts prior req.
Fulton Airpark	0.5 W;riv E	360	20 S6	80 oct.Rnwy data unver.Brush
Hancock (NC)	1.5 SSE;RR E	905	17	Hills SSE,NNW. WNW.
Hilton	2.6 WSW;RR N	325	16 S1	80 oct.3' fence E,S,SE.
Honeoye Falls Flying Svc.	0.8 SW;RR E	700	20 S4	80 oct.Pole lines NE,NNW.
Hornell	3.5 NNW;RR SW	1170	24 S6	80 oct.Wooded hills sur fld.
Hylan (Rochester)	6 S;RRs N,S,W	525	27 S6	80 oct.Trees E.
→ Ithaca	1.3 NW;inlet E	386	25h S6	80,91 oct.
Keyes-Oneonta (Oneonta)	1.5 W	1000	27 S4	80 oct.Obsts sur fld.
Kirkville	0.3 W;RR N,W	434	19 S1	80 oct.Pole line E.
Ladd's (Mexico)	0.6 W;RR N	383	20 S1	Ltd 73 oct.Pole line NE.
Martin (Montour Falls)	1 NE;RR W,E	460	13 S4	80 oct.
Mason (Geneva)	3.5 WSW;RR SE	790	19 S1	80 oct.Pole line S.
Meechem-Genesee (Rochester)	6 S;RR N	564	22 L S6	80 oct.Floodlgts in emerg.
Mercury (Hammondsport)	1 WSW;RR W	750	15 S2	80 oct.Hill W.
Elmira	2 SSW;RR E	860	16	Trees adj NE,S.
Elmira-Pine City (Elmira)	4.6 SW;hwy N	980	14	Trees WSW.

NEW YORK

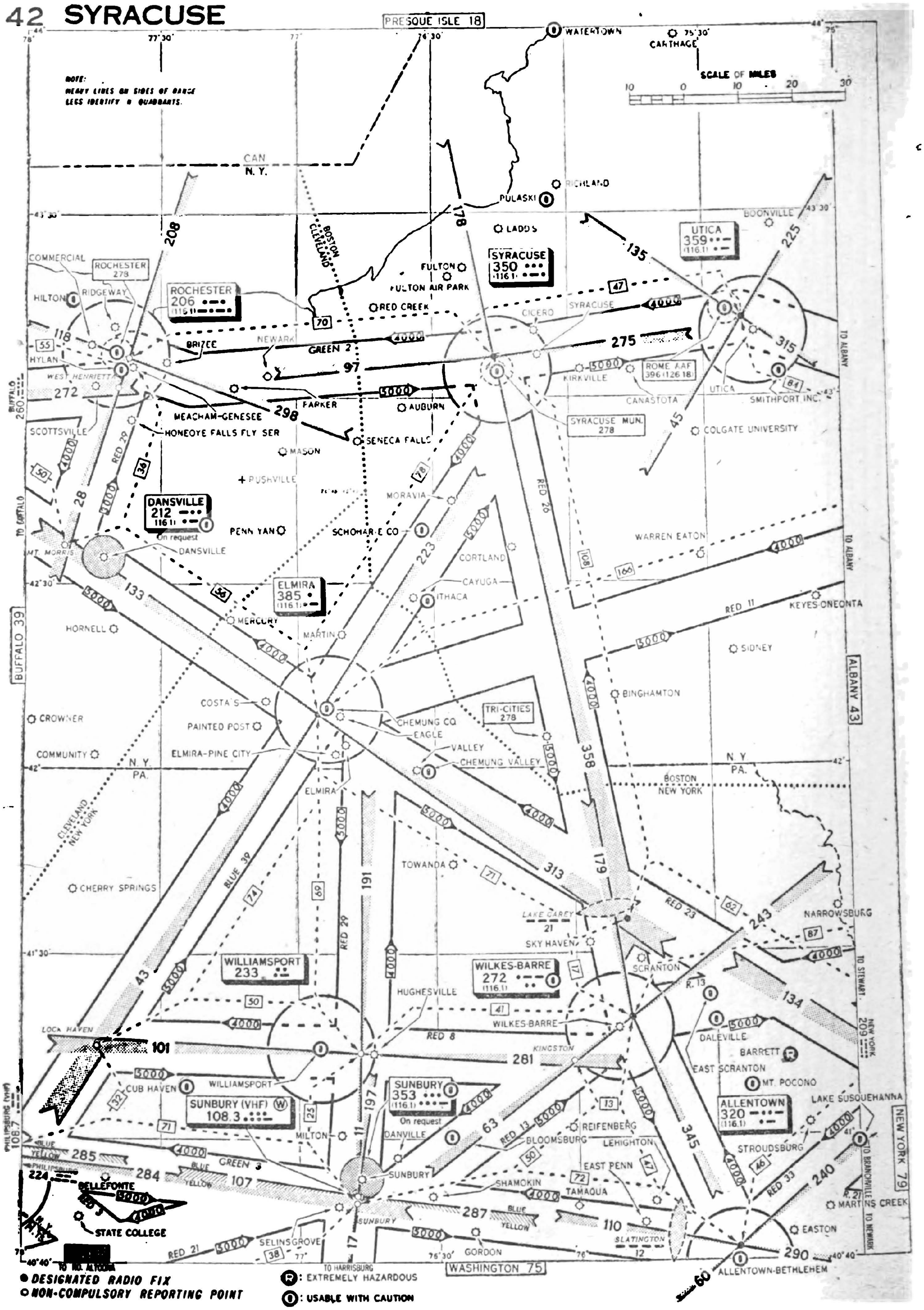
AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Minoa (NC)	0.3 NW;RR SW	430	14	Trees E.
Moravia Air Haven	1 NW;RR E	739	20 S1	80 oct.S apch blocked.
Narrowsburg	0.6 NNE;RR E	700	18 S4	80 oct.Mts N,NE.
★ Newark Int,27A,CV-AZ	1.3 NNW;rd N,E	490	19 L3	Pole N.
Painted Post	4.4 SW;RR W	920	19 S2	80 oct.Trees E,W.
Parker (Palmyra)	2.8 S;RR N	540	15 S1	80 oct.
Penn Yan	1.1 S;lake W	850	20 S2	80 oct.
Pulaski	3 SE;riv N	500	18 L S4	80 oct,Port rnwy lgts.Trees WSW
Red Creek	0.8 SSE;RR N	355	18 S1	80 oct.
Richard	0.6 NE;RR SW	560	21 S1	80 oct.Hi-line S.
Ridgeway (Rochester)	3.7 W;canal E	530	18 S1	80 oct.Pole lines W,NW,SE.
(N) ROCHESTER	3.7 SW;riv S	549	44h R2 L5 S6	80,91 oct.ARPT OP ENTRY
(A) Rome AAF (A)	2.5 NE	473	63h R1 L5 S6	62,73,91,100 oct.JP-1.
Scottsville	1 N;RR W	600	10	Allway area: 1000 x 1000'.
Seneca Falls	2.2 SE	490	18 S2	80 oct.Obsts sur fld.
Sidney	1 WSW;RR SE	1012	24 S4	80 oct.Pole line S.
Syracuse MUNICIPAL	3.5 NNE;hwy W	419	65h	CLOSED
(P) Tri-Cities (Endicott)	5.9 WNW;RR N	396	50h R2 L5 S6	80,91 oct.Rdo rec rqrd
Utica	3.5 WSW;riv S	840	35h R1 L3 S6	80,91 oct.Wooded ridge W,ESE.
Warren Eaton (Norwich)	7.3 NW;hwy S	525	31 R1 L1 S6	80 oct.TWr W;hill N;trees S.
(F) Watertown	2.5 N;riv,RR E	1015	20 S1	80 oct.Wooded ridge E.
Schoharie Co.(Richmondville)	5.9 WNW;hwy N	325	50h L1 S4	80 oct.Ben on req.ARPT OP ENTRY.
Smithport Inc.(Utica)	1.3 NE; RR N	1000	16 S1	80 oct. Trees E.
Rushville	3.5 SSE	1100	20h S1	80,91 oct. Data unverified
	2.5 NNE	1120	20 S1	Unverified.

PENNSYLVANIA

ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE;RR NW	380	40h R1 L5 S6	80,91 oct.Use rnwys only. Fld lgts prior req.
Barrett (Canadensis)	1.8 N;hwy SW	1450	18 S2	No fuel. Trees E.
Bellefonte	4.3 ESE;hwy E	1045	21 L3 S6	80 oct.
Bloomsburg	0.8 ESE;riv S	478	32 L3 S6	80,91 oct.Pole lines SW, E.
(P) Chemung Valley (Athens)	1.8 NNW;riv E	850	38 S4	73 oct.
Cherry Spgs. (Corbett)	2.4 W	2265	18 E1	Ltd 80 oct.Trees W,SE, NW.
Cub Haven (Lock Haven)	1.7 E;RR S	556	25h S1	80 oct. Pwr line E.
Daleville	0.6 N;hwy W	1775	19 S4	80 oct.Hill S.
Danville	2.2 SW;RR N	480	22 S3	80 oct.Hill SE.
Easton	3.5 NNW;RR W	380	22 S6	73-91 oct.Pole line N.
East Penn (Andreas)	1.5 NE;hwy S	860	18 S6	73 oct.
Gordon	1.8 W;RR E	960	18 S2	80 oct. Hill S.
Lehighton	0.9 WSW;hwy NW	502	18 S5	80 oct. Trees WSW.
Mid Valley (Olyphant)(NC)	3 N;rd NE	1385	20	
Milton	0.8 S;RR W	450	24 S6	80 oct.Pole line SW.
Mt.Pocono,21,BJ-LQ	1.5 NW;hwy NE	1925	26h L3 S1	80 oct.Pole line NE.
Mt. View (Nicholson)(NC)	4.8 ENE;crk NW	1280	21	50' trees S.
Reifenberg (Hazleton)	5.8 NNW;rd E	1146	21 S4	80 oct.
Scranton	7.2 WNW;hwy N	1150	24h L3 S6	73-91oct. Fld lgts prior req.
Selinsgrove	1.1 N;hwy E	450	25 S2	73,80 oct.Pole line E,W.
Shamokin (Elysburg)	2 SE;RRs W	1100	16 S2	80 oct.
Skyhaven (Tunkhannock)	0.3 S;RR N	639	20 S1	80 oct.Pole line,trees SW.
State College Air Depot	3.4 E;hwy S	1200	19 S4	80 oct.Poles adj W.
Stroudsburg-E. Stroudsburg (Stroudsburg)	2.5 NNE;hwy S	426	22 S4	80 oct.
(P) Sunbury	2 NNE	443	37 R1 L1 S6	80 oct. No sto.
★ Tamaqua,Int,61B,CQ-LQ	2.2 WNW;hwy W	1260	30 L3	
Towanda	1.5 SSE;RR W	700	25h S1	80 oct.Pole line SW,NE.
Wilkes-Barre-Wyoming Valley	3.5 NNE;riv S	546	35h R1 L3 S4	80,91 oct.
(P) Williamsport	5.1 E;riv S	526	43h R1 L5 S6	80,91 oct. Lgts prior req.
East Scranton (Scranton)	7.3 ESE;lake E	1660	23	Trees S, W.
Hughesville	0.6 S;crk E	570	12 S2	
→ Boonville (N.Y.)	4.5 ESE;riv NE	1273	29 S1	80 oct. Obst sur fld.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

42 SYRACUSE


PRESQUE ISLE 18
WATERTOWN
CARTHAGE
SCALE OF MILES
10 0 10 20 30
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY 8 QUADRANTS.
CAN
N. Y.
PULASKI
RICHLAND
LADDS
SYRACUSE
350
(116.1)
FULTON
FULTON AIR PARK
RED CREEK
BOONVILLE
UTICA
359
(116.1)
BOSTON
CLEVELAND
COMMERCIAL
ROCHESTER
278
HILTON
RIDGEWAY
ROCHESTER
206
(116.1)
BRIZEE
NEWARK
GREEN 2
CICERO
SYRACUSE
HYLAN
WEST HENRIETTA
272
BUFFALO
260
MEACHAM-GENESEE
HONEOYE FALLS FLY SER
PARKER
AUBURN
SENECA FALLS
KIRKVILLE
ROME AAF
396 (126 18)
CANASTOTA
UTICA
SMITHPORT INC.
SYRACUSE MUN.
278
COLGATE UNIVERSITY
SCOTTSVILLE
MASON
PUSHVILLE
DANSVILLE
212
(116.1)
On request
PENN YAN
SCHOMACKER CO
MORAVIA
CORTLAND
CAYUGA
ITHACA
WARREN EATON
KEYES-ONEONTA
SIDNEY
TO ALBANY
TO BUFFALO
MT. MORRIS
DANSVILLE
ELMIRA
385
(116.1)
On request
MERCURY
HORNELL
MARTIN
BINGHAMTON
COSTA'S
PAINTED POST
CROWNER
CHEMUNG CO
EAGLE
VALLEY
CHEMUNG VALLEY
TRI-CITIES
278
COMMUNITY
N. Y.
PA.
ELMIRA-PINE CITY
ELMIRA
BOSTON
NEW YORK
CLEVELAND
NEW YORK
CHERRY SPRINGS
TOWANDA
LAKE CAREY
21
SKY HAVEN
NARROWSBURG
WILLIAMSPORT
233
WILKES-BARRE
272
(116.1)
SCRANTON
HUGHESVILLE
WILKES-BARRE
LOCK HAVEN
KINGSTON
DALEVILLE
BARRETT
EAST SCRANTON
MT. POCONO
LAKE SUSQUEHANNA
CUB HAVEN
WILLIAMSPORT
SUNBURY (VHF)
108.3
SUNBURY
353
(116.1)
On request
ALLENTOWN
320
(116.1)
MILTON
DANVILLE
REIFENBERG
BLOOMSBURG
LEHIGHTON
STROUDSBURG
PHILIPSBURG (VHF)
108.7
BELLEFONTE
STATE COLLEGE
SUNBURY
SHAMOKIN
TAMAQUA
EAST PENN
MARTINS CREEK
SELINSGROVE
GORDON
SLATINGTON
EASTON
TO HARRISBURG
WASHINGTON 75
ALLENTOWN-BETHLEHEM
TO NEWARK
TO SITEWART.
TO BRANCHVILLE
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION

ALBANY 43

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

Ⓡ: EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

BOLD HEAVY LINES ON SIDES OF AREA LESS IDENTIFY R-BOUNDARIES.

PRESQUE ISLE 18
TICONDEROGA
On request
GLENS FALLS 206 (116 1)
BLUE 18
BURLINGTON 323
30
FAIR HAVEN
RUTLAND
On request
LEBANON 209 (116 1)
TWIN STATE
NORTHFIELD
MONTPELIER
BLUE 4
PISECO
PLATEAU
SACANDAGA PARK
GLENS FALLS
WARREN CO
N.Y. VT.
HARTNESS
CLAREMONT
NEWPORT
BLUE 40
LEBANON
STATUTE MILES
TO CLEVELAND
GREEN 2
STEENBURGH
GLOVE CITY
CARPET CITY
VAUGHAN
LONG MEADOW
BALLSTON SPA
208
SARATOGA SPRINGS
24
EQUINOX
VT. N.H.
BOSTON 46
SCHUYLERVILLE
HAYDUK
FORT PLAIN
122
84
SOMERSET CO
KEENE
DILLANT-HOPKINS
ALBANY 365 (116 1)
BENNINGTON
STONE ARABIA
27
SPY HAVEN
166
BRIGGS
INTERCITY
STEVENS
BRATTLEBORO-HINSDALE
RED 11
293
VT N.H. MASS
83
COOPERSTOWN
ALBANY 278 126 18
FAR VIEW FARM
ADAMS
64
TURNERS FALLS
ORANGE
GARDNER
118
263
BOSTON
VALLEY AIRPK
EAST GREENBUSH
SELKIRK
RAVENA
WESTOVER AAF 272
144
172
207
149
239
PILGRIM
HILLER
FARLYS
PITTSFIELD
N.Y. MASS
GREEN 2
LAFLEUR
WESTOVER AAF 396 126 18
LE BROOKFIELD
BROOKFIELD
SOUTHBRIDGE
SYRACUSE 42
HALCOTT
MARGARETVILLE
FLEISCHMANNS
92
26
CATSKILL
CATSKILL VALLEY
GREAT BARRINGTON
BARNES
WESTFIELD 230 (116 1)
METROPOLITAN
36
329
SPRINGFIELD
W. SPRINGFIELD
KINGSTON-ULSTER
CANAAN
21
BOWLES
KINSLEY
AGAWAM
303
WOODSTOCK
NEW PALTZ
MILLERTON
BRADLEY 284 126 18
SIMSBURY
34
BOSTON NEW YORK
WALLKILL NO 2
LIVINGSTON MANOR
CLIFF HAVEN
COZINE
AERO LAKE
NEW HACKENSACK
CONN
STEPHENSON
252
14
WEATOGUE
RENTSCHLER 254 126 18
NEWBURGH WALDEN
STEWART 236 (116 1)
FREEDOM PLAINS
158
81
MONTGOMERY
ARLINGTON
WINGDALE
258
HARTFORD 329 (116 1)
WINDHAM
MONTICELLO
WURTSBORO
87
WATERBURY
LIME RIDGE
STORMVILLE
RED 13
MERIDEN 18
BRAINARD 278
SALEM
MONTGOMERY NO
STANTON'S
STARHAVEN
RANDALLS
HUGUENOT
62
MATAMORAS
63
BLUE 18
42
WAPPINGERS FALLS
BROOKFIELD
BETHANY
OLUFBERYT
AMBER 7
MERIDEN 278
WATERFORD
DOANE
GROTON TRUMBULL
DANBURY
55
MONROE
BLUE 41
NEW HAVEN
WEST HAVEN
HAMMONASSET
ELIZABETH AAF
STEWART AAF 396 126 18
SOMERS
CROTON
CHRISTIE
WESTCHESTER
224
NEW YORK 209
N.Y. 3 DA
SUSSEX
N.J. N.Y.
WARWICK WICKHAM
MILLER
WESTCHESTER CO
338
238
BRIDGEPORT 269
248
240
134
ALLENTOWN 320
NEW YORK 209
TO BERDIA
NEWARK 341
PORT CHESTER 24
NEW YORK 79
MITCHELL AAF 227
MATTITUCK
EAST HAMPTON
SUFFOLK CO
72°48'
72°30'

ALBANY

RADIO — CONNECTICUT

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
BRADLEY (Windsor Locks)	284(126.18)	CI	3105,4495 126.18 (6-18)
BRAINARD (Hartford)	278	C	(4), 131.9,126.18
BRIDGEPORT ARPT	269	C	(4), 116.1,131.9
EAST HARTFORD (Rentschler)	254 (126.18)	CI	(3)
HARTFORD (Brainard)	329(HT)(116.1)	SBMRAZ-VDT, 323°,2.3	(3), 116.1
MERIDEN FM	(- - -)	FM, 244°, 17.6	Hartford
MERIDEN ARPT.	278	CI	3105,4495 (days)

MASSACHUSETTS

WESTFIELD (Barnes)	230(W)(116.1)	BMRLZ-VDT, 270°, 1.7	(4) ;116.1
WESTOVER (Chicopee Falls)(Army)	272 (DO)	BMRAZ	(3) (GCA)
Westover Fld	398 (126.18)+	CA(IL-S), 239°, 2.7	(3); 126.18 (Appch cont.)

NEW HAMPSHIRE

LEBANON	209(LP)(116.1)	MHVT	(4), 116.1

NEW YORK

ALBANY	365(AZ)(116.1)	SBRAZ-VDT	(3), 116.1
Albany Arpt.	278 (126.18)	C, 196°, 3	(4),126.18,116.1,140.1, 131.9
AURIESVILLE FM	(- - - -)	FM, 302°,27.2	Albany
COLONIE LFM	(- - -)	LFM, 206°, 5.7	Albany
GLENS FALLS	306(GB)(116.1)	MHVT	(4), 116.1
MEDWAY FM	(. . - - -)	FM, 206°, 27.6	Albany
PORT CHESTER FM	(. . -)	FM, 44°, 24	New York
SARATOGA SPGS. FM	(-)	FM, 280, 24	Albany
STEWART FIELD	236(SW)(116.1)	BMRL-VDT	(4), 116.1
Stewart Field	396 (126.18)	CA, 125°, 2.5	(3), 126.18 (*-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in use). Compass Locators in ( )

LOCATION	LOC. FREQ.	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATOR)		
Westover, Mass.(L6)	109.9	333.8	239° Mag.	IM- (.49)	MM- ------ (.79)	OM- --(5.38)
					MKR-	OMK-
Westover, Mass.(L8)	108.5	332.6	59° Mag.	IM- (.02)	MM- ------ (.72)	OM- --(4.42)
					MKR-	OMK-

S Simul Range and Voice, W Without Voice; Z VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice
+ - Army ACS transmits on and guards 116 1, 137 88, 140 58 mcs.

AIRPORTS — CONNECTICUT

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Bethany	1.3 N,hwy E	680	21 L2 S6	80,91 oct.No bcn. Lgts
Bradley (Windsor Locks)	2.8 WNW,RR, riv E	171	50h R1 S6	Antenna prior req. S. No fuel
BRAINARD (Hartford)	2.8 SE,RR W	19	48h R2 L5 S6	80,91,100 oct.Dike E,N
(N,P) BRIDGEPORT	3.5 ESE	9	48h R1 L5 S4	80,91 oct.
Brookfield	0.3 S,RR,riv E		10 S6	80 oct.No sto.Data unver.
Canaan	1 N,RR W	680	24 S6	80,91 oct.No sto.Pole line SW.
Danbury	2.5 SW,RR N	454	44h S6	80 oct.P-line WSW,SSE
Doane (Essex)	1.2 SW,RR E,N	30	21 S6	80,91 oct. Trees N, NW.
Groton Trumbull	2.8 SE,RR W	10	50h	(Groton)
Kinsley (Somers)	2.5 NNW,RR W	200	19	
Lufbery (Wallingford)	0.5 WSW,RR E	80	22 S6	80 oct,No sto.Stacks S,
Meriden	2.7 SW,RR E	102	35 R1 L3 S6	80 oct.Hi-line W,S N.
Monroe	0.7 SSE,rd E	620	20 S6	80 oct. Rd. W.
NEW HAVEN	3.5 SSE,riv W	4	42h S6	80,91 oct: ltd 100 oct. Pole line NW.
Rentschler (E.Hartf'd)	1 S,riv W	40	58h R1 L5 S6	80,91,100 oct.
Salem	2.1 E,lk NNE	400	21 S6	80 oct.
Simsbury	2.6 NNE,RR W	170	17 S6	80 oct.Trees SE.
Stephenson (Bristol)	1.6 ESE,RR N	240	18 S6	80, 91 oct.
Waterbury (Plymouth)	2.6 S,RR E,W	843	20 S6	80 oct.
Waterford	1.7 N,RR SSE	60	20 S6	80 oct.Trees,hill S.
West Haven	2.7 SW,hwy E	15	18 S4	80 oct.No sto.P-line E, W blocked.

CONNECTICUT

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Windham	3.5 NNW,hwy S	238	44h S1	80 oct.Trees NE,ENE.

MASSACHUSETTS

Adams	1.3 SSE,RR W	1400	18 S1	80 oct.
Agawam Land & Seaplane Base	0.5 S,riv E	50	16 S6	80 oct.Pole line SE.
BARNES (Westfield)	3 NNE,RR W	268	50h R1 L5 S6	80,91 oct.
Bowles (Agawam)	2.4 WSW,trk E	190	40 S4	80 oct.P-line S,SSE,
Brookfield's	1 W,RR SW	680	20 S6	80 oct.P-line SW,W,NW
East Brookfield	0.5 W	650	15 S3	80 oct. Data unver.
Fair View Farm (Williamstown)	4 SW,riv E	954	23 S1	80 oct.Pole line ENE. Hill NNE.Lgt acft only
Gardner	2 SW,hwy N	1020	18 S4	80 oct.
Great Barrington	2 WSW,riv N	726	28 S6	80,91 oct.Obst sur fld.
Hiller (N.Brookfield)	6.5 NNW	600	35 S3	80 oct. Data unver.
La Fleur (Northampton)	1.2 ENE,riv SW, N	120	26 S4	80 oct.No sto.
Metropolitan (Palmer)	5 N,riv W	400	19 S6	80 oct.Hill N.
(P) Orange	1.5 SE,hwy SE	555	50h S1	80 oct Poles NE.
Pilgrim (Northampton)	9 N	120	16 S3	No sto.Data unver.
Pittsfield 3B,AZ-BA	2.4 WSW,hwy NW	1140	27 L3 S1	80 oct.Poleline N.
Southbridge	1 N	700	26 S4	Data unver.
Springfield	2.3 NE,RR S	205	26 S6	80,91 oct Bldgs W.
Stevens (N.Adams)	2.8 WSW,RR N	690	56 S4	80 oct.No sto.P-line E.
Turners Falls (Montague)	4.2 N	350	33 S6	80,91 oct.Wooded ridge SE,SW.
(A) Westover (Chicopee Falls) (A)	3.8 NNE,riv W	244	70h R3 L6 S6	73,91,100 oct.No sto.
West Springfield	1.5 N,riv E	65	19 S4	Data unver.

NEW HAMPSHIRE

Claremont	1.3 W,riv NE	520	28h S2	80,91 oct Wooded ridge
Dillant-Hopkins (Keene)	2 S,riv,RR W	481	40h S6	80 oct. NNE
Brattleboro-Hinsdale (Hinsdale)	2.7 NW,RR W	360	18 S4	80 oct.Lndg flares prior req.
Keene Arpk.	3 NW,RR W	500	21 S6	No fuel or sto.100' hill
Lebanon	3.3 WSW,RR N	579	40h R1 L5 S4	80 oct.Rds repairs SE
Newport	2 NNW,RR W	780	26 S4	80 oct.Pole line E.

NEW JERSEY

Sussex	1.2 WSW,RR S	470	25 S1	80 oct.200' knoll NNE

NEW YORK

Accord (NC)	0.7 N,RR S	260	19	PRIV.Trees S,NE,SW.
Aero Lake & Seaplane Base (Kingston)	3.7 SSE,RR W	220	23 S4	80 oct.Trees S.
(P) ALBANY	6.9 NNW,riv N	263	35h R2 L5 S6	80,91,100 oct ARPT OF ENTRY
Arlington (Poughkeepsie)	1.5 E,RR E	280	18 S4	80 oct.Pole-line NE,trees SW.
(P) Ballston Spa	3 N,RR E	433	40h L5 S6	80,91 oct.Fld lgts prior req.
Briggs (Carlisle)	0.6 SE,RR W	1320	12	80 oct.Use strips only
Carpet City (Amsterdam)	6 N,rd NW	887	18 S6	
Catskill (Cairo)	2 E,hwy S	300	16	Trees sur fld.
Catskill Valley (Catskill)	1.5 SW	100	23 S3	80 oct.Data unver.
Christie (New City)	1.5 N,RR E	150	16 S4	80 oct.Poleline SW
Cooperstown	1.4 NNW,RR SE	1860	18 L S4	80 oct.Pole S,Port lgts.
Cozire (Rhinebeck)	0.5 SE,RR W	200	20 S1	87 oct.Pole line W.
Cliff Haven (Accord)	11 W,RR S	260	16 S1	80 oct.
East Greenbush	0.6 NW,RR W	260	38 L S6	80 oct.Port rnwy lgts.
(A) Elizabeth (Fisher's Island) (A)	W end Island	7	29h LA	No bcn. P-line N.
Farly's (New Baltimore)	3 S,RR W	10	20 S1	80 oct.Trees N.
Ft.Plain Int,40A,CV-AZ	3 NNW,RR NE	660	35 L3	
Freedom Plains (Billings)	2 W,rds N,E	340	11 S1	80 oct.Pwr line S.
Glens Falls,18,LG-UL	2.6 NW,rd S	474	36h R1 L3 S6	80 oct.
Glove City (Gloversv'l)	1.5 NE,RR S	860	17 S1	80 oct.
Halcott (Halcott Ctr.)	1 N		10 S1	80 oct.Data unver.
Hayduk (Herkimer)	0.6 SSW,RR N	400	12 S4	Ltd 80 oct.Poleline E.
Huguenot (Port Jervis)	3.3 NE,RR SE	480	21 S6	80 oct.Trees SW.
Intercity (Schenectady)	3.6 SSE,RR NE	340	20 S4	80 oct.
Kingston	1.5 NW,RR S	150	17 S4	80 oct.Pole line NW.
(P) Kingston-Uister	2.7 N,RR E	160	30 S4	80 oct.No sto.P-line E
Lime Ridge (Beekman)	1.3 SE,RR S	420	16 L2 S6	80 oct.All lgts prior req

NEW YORK

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Livingston Manor	0.5 SE,RR W		21h S4	80 oct,.91 oct req.Data
Long Meadow (Rexford)	1.5 NE,RR N,W S	380	17 S1	80 oct.Poles unver, NNE
Margaretville-Fleischmanns (Margaretville)	0.2 S,riv W		21 S4	80,91 oct.No sto.P-line NE.Data unver.
Miller (Nyack)	1.8 WNW,riv E	70	17 S6	80 oct.No sto,P-line SW
Millerton	1.5 N,RR W	1000	13 S1	80 oct.Trees N.
Montgomery	1 WSW,riv W	393	22 S6	80 oct.Trees N,brush E
(A) Montgomery U.S.Mil. Academy #1 (A)	2 SW	355	35h	CLOSED.
Monticello-Sullivan Co.	1.4 S,RR E	1500	30 L S4	80 oct.No sto.Port rnwy lgts. Rnwy data unver.
Newburgh-Walden (Walden)	2.2 SSW,riv W	404	32 S6	73,80 oct.Obsts sur fld.
(P) New Hackensack	0.5 W	155	35h	Obsts NE.
New Paltz	0.8 W,RR E	190	20 S1	80 oct.
Piseco	0.5 N,hwy SW	1710	19 S2	Ltd 80 oct.Trees,brush
Plateau (Northville)	2.5 E,riv ESE	1040	24 S1	Ltd 73,80 oct. Trees S. NNE
Randall's (Middletown)	1.8 ESE,RR NW	520	20 S2	80 oct.
Ravena	1.2 N,riv 2 E	180	14 S2	80 oct.Lgt acft only.
Rockland (New City)	1 SSE,RR E	240	14	Trees W,hwy L.(NC)
Sacandaga Park (Northville)	1 SW,RR W	770	13 S1	80 oct.Pole line WSW.
(P) Schenectady Co.	3 N,RR SE	362	50h L5 S6	80,91,100 oct.
Schuylerville,Land & Seaplane Base	2.5 S,riv E	100	29	Trees N,S.
Selkirk	2.7 E,riv E	160	22	Trees N.
Sky Haven (Delanson)	0.9 NW,RR SE	1100	14 S2	80 oct.S&E,W blocked.
Somers	0.6 SE,RR E,S	568	20 S4	80 oct.No sto.
Stanton's Newburgh Cub Port (Newburgh)	5.3 NW,RR S	520	12 S2	80 oct.Trees S.
Starhaven (Middletown)	1.3 NW,RR SW	750	29	Trees SW,SE,NW,RR N
Steenburgh Avia Svc. (Gloversville)	1.5 ENE,RR N	900	6 S1	80 oct.
(A) Stewart (Newburgh) (A)	4 W,hwy N	474	51h R2 L5 S6	100 oct.
Stone Arabia Ft. Plains)	3.6 ENE,hwy E	860	18	P-line NNW.
Stormville	1 ENE,RR S	350	23 S4	80 oct.No sto.Trees NE
Ticonderoga Int,22, LG-UL	2.7 NNE,rd E	210	32 L3	Obsts sur fld
Troy	2 SSE,riv W	327	30 L4 S6	73,91 oct.Trees NW
Valley Air Park (Middleburg)	1.5 NNW	635	16	Data unver.
Vaughan Johnstown)	1 E,hwy W	760	18 S1	Ltd 80 oct.Trees W.
(A) Wallkill, U.S.Mil.Acad. #2 (A)	3 NW,riv E	340	35h	CLOSED.
Wappingers Falls	0.9 SE,rd S	152	21 S4	80 oct.P-line E,W,S
WASCO Co (Glens Falls)	2.4 NNE,rd N	325	40h	
Warwick-Wickham	4.5 NE,RR W	540	24 S4	80 oct. Ridge N
Westchester (Armonk)	0.5 SSE,riv E	380	23 S6	80,91 oct.Trees sur fld
(P) Westchester Co. (White Plains)	4 NE,lake W	435	50h L5 S6	80,91 oct days;100 oct. lgts prior req. FEE.
White (Bedford) (NC)	3.6 SE,hwy E	475	12	
Wingdale	1.5 NE,RR W	400	25 S4	80 oct.No sto.ROUGH.
Wurtsboro	2 NE,RR E,SE	560	31 S6	80 oct.Obsts sur fld.

PENNSYLVANIA

Matamoras	0.5 SSE,riv SE	450	18h L4 S6	80 oct.No bcn. Lgts prior req

VERMONT

Bennington	2.5 WNW	830	13 S1	80 oct.470' hill WNW.
Equinox (Manchester)	1 E,riv E,N	700	18 S6	80 oct.Poleline,mtn E.
Fair Haven	1.5 N	370	20 S2	80 oct.Hills sur fld.
Hartness (Springfield)	3.8 NNW,riv E	570	20 S6	80 oct.
Rutland	5.8 SSE,hwy W	784	40h L3 S4	80 oct.No sto. All lgts
Twin State (White River Junction)	1 SW,riv,RR E	540	19h S6	80 oct.Hill NW prior req

CONNECTICUT

Hammonasset (Madison) (Conn)	2 E, hwy N	15	12 S1	80 oct. Trees W
Croton Air Park (Peekskill,N.Y.)	4.8 SW,riv SW	280	13	Hill SW.
East Hampton (N.Y.)	2.5 W,RR S	40	25 S4	80 oct. No sto.
Mattituck (N.Y.)	0.8 ESE,bay S	12	25 S6	80,91 oct.Poles N.
(A) Suffolk County (West-hampton Beach,N.Y.)(A)	2.6 N	69	50h	CLOSED.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted). ➔ New or revised data.

RADIO

LOCATION	FREQS. IDENT.	STA. CLASS, BEAR. & DIST.	FREQ. GUARD HRS. OF OPER. REMARKS
BRUNSWICK NAS	382 (NSM)	SRAZ; 84°,4	(3)
PORTLAND	206(PW)(116.1)	BMRLZ-VDT,149°, 2.2	(4), 116.1
YARMOUTH FM(Navy)	(- - -)	FM,264°,11.4	Brunswick NAS
MASSACHUSETTS			
BEDFORD (Navy)	322 (DBH)	MH	Oper cont.
Bedford AAF	212 (126.18)	CA	(3), 126.18
BOSTON (Logan)	283(BW)(116.1)	SBRAZ-VDT,238°, 2.2	(3), 116.1
BRANT ROCK FM(Navy)	(- -)	FM, 141°, 20.2	Squantum NAS
EASTON FM (Navy)	(- - -)	FM, 218°, 17.7	Squantum NAS
EVERETT LFM	(- - - -)	LFM, 298°, 4.2	Boston
FRANKLIN FM	(- - - - -)	FM, 238°, 26.7	Boston
LOGAN (Boston)	278 (118.7, 126.18,118.1)	AC	(4), 131.9,118.7, 126.18,118.1
PEABODY FM	(-)	FM, 310°, 9	Boston
SOUTH BOSTON LFM	(- - -)	LFM, 238°, 4.7	Boston
SOUTH WEYMOUTH (Navy)	420 (NFR)	BMRLZ	(3), 142.74 days on req.
South Weymouth NAF	3295 (142.74)	CN, 82°, 3.1	(3), 142.74, (8-1630,Mon.-Fri.)
SQUANTUM (Navy)	472 (NZW)	BMRLZ	(3),142.74 flt opers.
Squantum NAS	323 (142.74)	CN, 321°, 3.5	3105,4495;142.74 (8-30 min before sunset)
NEW HAMPSHIRE			
BOSCAWEN FM	(- - - -)	FM, 332°, 14.2	Concord
CONCORD	251 (CN)(116.1)	BMRLZ-VDT,327°, 2.1	(4), 116.1
GRENIER(Manchester) (Army)	338 (DUR)	SBRAZ	
→ Grenier Field	278(126.18) +	CA(ILS),352°,4	(3);126.18 (10-18)
RHODE ISLAND			
CHARLESTOWN NAAS	3295 (142.74)	CN	3105;142.74 (GCA)
GREENE (Providence)	278 (118.9).	C	(4);116.1,131.9, 118.9
PROVIDENCE(Greene)	347 (PR)(116.1)	BMRLZ-VDT,48°,3.5	(3);116.1
QUONSET POINT(Navy)	356 (NCO)	BMRLZ	3105; 142.74
Quonset Point NAS	227(142.74) (126.18)	CN, 339°, 2.3	(3);142.74,140.58, 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
Grenier, N.H.	109.5	332.6	352° Mag.	IM- (.02)	MM- (.71)	OM- (5.00)	
				MMK-201 (.71)	OMK-219 (5.00)		

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3) 3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A C S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
CONNECTICUT				
Foster (Stonington)	1 NE,RR S	5	18 S4	80 oct. Lgt acft only
Plainfield	1.5 SSW,RR E	160	21 L S6	80 oct, Port rnwy lgts.
* Putnam Int,14,LG-BW	1.7 WSW,riv E	460	22 L3	Pole line N,poles NE.
MAINE				
Biddeford	2 SSW,RR NW	110	22 S2	80 oct. Poleline SE.
(M)Brunswick NAS(N)	1.5 SE,RR N	77	60h RI	INACTIVE
Douglas (Brunswick)	3.5 W,RR SE	170	15	
Hilltop (West Buxton)	0.6 WSW,RR S	300	22 S4	80 oct. Poleline ESE

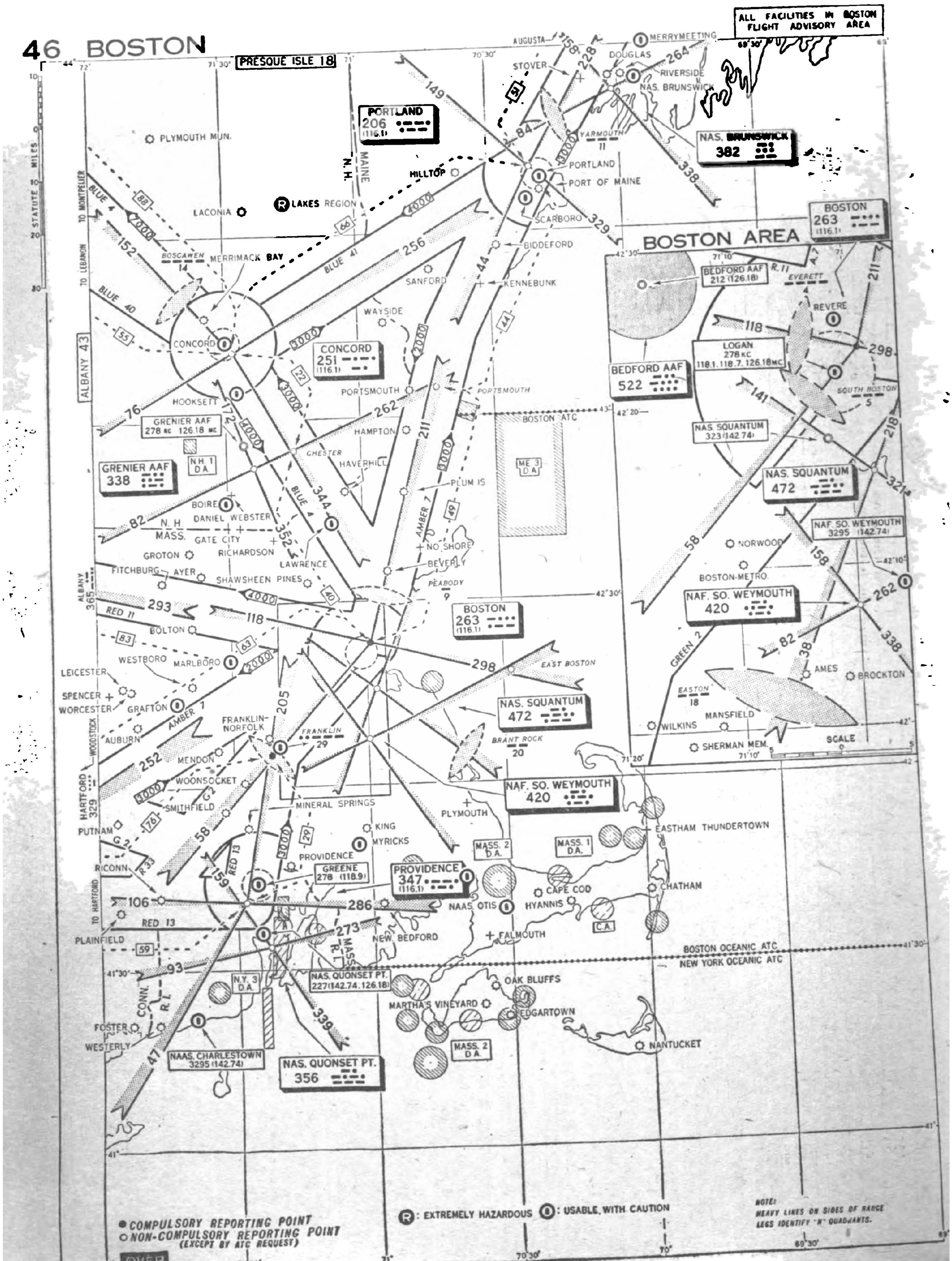
A-hard surfaced runways. B-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC(not checked).

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Merrymeeting (Bowdoinham)	1 SSE,riv E	60	18 S1	80 oct. Trees N, S.
PORTLAND	2 W,riv E	60	43h RI L5 S1	80, 91 oct
Port of Maine (South Portland)	1.8 SSW,RR E	40	22 S3	80 oct Poleline SSE, NE, SW
Riverside Airpark (Brunswick)	1 WNW,RR S	60	18 S4	80 oct. No sto Trees NNW
(P)Sanford	4 SE,hwy N	243	60h L5 S6	80, 91 oct
Scarboro	2 W,RR SSE	20	25 S2	80 oct.
Kennebunk	2 S,rd E	120	20 S2	80 oct Trees ± Data not verified
Stover (Freeport)	4 NNW	200	12 S2	80 oct Data unverified
MASSACHUSETTS				
Ames (Brockton)	3 WSW,RR W	120	20 S6	73 oct. RR S.
→ Auburn	2 SW,RR W,E	700	15 S1	80 oct. Lgt acft only
Ayer	1.5 NW,riv W	268	52h	
(A)Bedford AAF (A)	1 S	128	50h R2L5 S6	80, 100 oct.
CG Beverly	3 NW,lake E	108	50h L5 S1	80,91 oct.
Bolton (Clinton)	2.3 NE,RR W	400	17 S6	80 oct. Trees around fld. RR S
Boston-Metropolitan (Canton)	1 W,riv W	50	21 S6	80, 91 oct.
Brockton	2 S,hwy E	128	22 S6	80 oct. Poles E.W. Rnwy data unver
Cape Cod (West Barnstable)	2.1 SW,lake SW	100	25 S2	80 oct.
Country Club(Wareham) (NC)	1.3 E,riv S	25	17	Pole line,trees N.
Chatham	1.7 WNW,hwy S	66	14 S4	80 oct. Pole line N.
Eastham Thundertown	5 N	45	19 S3	(Orleans) Data unverif.
Edgartown	2 S,rds E,NW	20	30 S4	80 oct. No sto. Pole
Falmouth (NC)	2.5 NE	40	18 S4	80 oct Data not verified. line NE
Fitchburg	2.5 SE,bet RRs	334	45h S6	80 oct Knolls,duke S.
Franklin-Norfolk (Norfolk)	2.5 WNW RR SSE,NW	140	20 S6	80 oct. Pole line S.
Grafton (No.Grafton)	0.7 SSW,riv N	450	30 S6	80 oct Wooded hill S
Grotop	4.6 WNW,RR W	280	28 S6	80 oct
Haverhill	2 NNE,lake S	125	17 S6	80 oct Stack S,pole line NW.
HYANNIS	1.2 N,RR E	56	41h S4	80, 91 oct.
King (Taunton)	4.5 ESE,RR N	45	26 S6	73 oct. Poleline NNE
(P)LAWRENCE	2.5 ENE,lake E	155	40h L5 S6	91 oct. Pole line SSE
Leicester	2 N	1140	15h S4	80 oct. Reservoir SE.
(A,N) LOGAN (Boston)	1.5 E in harb.	12	70h R2 L5 S6	80,91,100 oct. Rdo rqrd FFE.ARMY TMP INACT
Mansfield	2 SSE,RR NE	124	25 S2	80 oct CIVIL FACS Pole line NW,NE.
Marlboro	2.4 E,RR WSW	265	15 S2	80 oct. Ridge SSE,NNW
MARTHA'S VINEYARD (Vineyard Haven)	4.3 S,rd S	68	38h L5 S2	80,91 oct. Lgts prior req. Obsts SE side.
Mendon	0.3 S,lake W	450	18 S4	80 oct. No sto. Pole line N,NW.
Myricks	0.8 N,RR SW	65	20 S4	80 oct. Pole line S.
NANTUCKET	2.6 SE,rd N	47	40h L S6	80,91 oct. Port lgts.
(P)New Bedford	2.8 NNW,RR W	73	50h L5 S2	No fuel.
Norwood	1.8 E,riv E	55	40h L5 S1	80, 91 oct.
Oak Bluffs	0.8 SW,rd W	20	20 S4	80 oct. Trees E,SE.
(N)Otis NAAS(Falmouth)	9 NNE	126	70h	INACTIVE. (N)
Plum Island (Newburyport)	2.3 SE,riv N	15	25 L1 S6	80 oct. Pole line E.
Providence (Seekonk)	2.1 ESE,rd NE	25	17 S4	80 oct. Pole line NNE

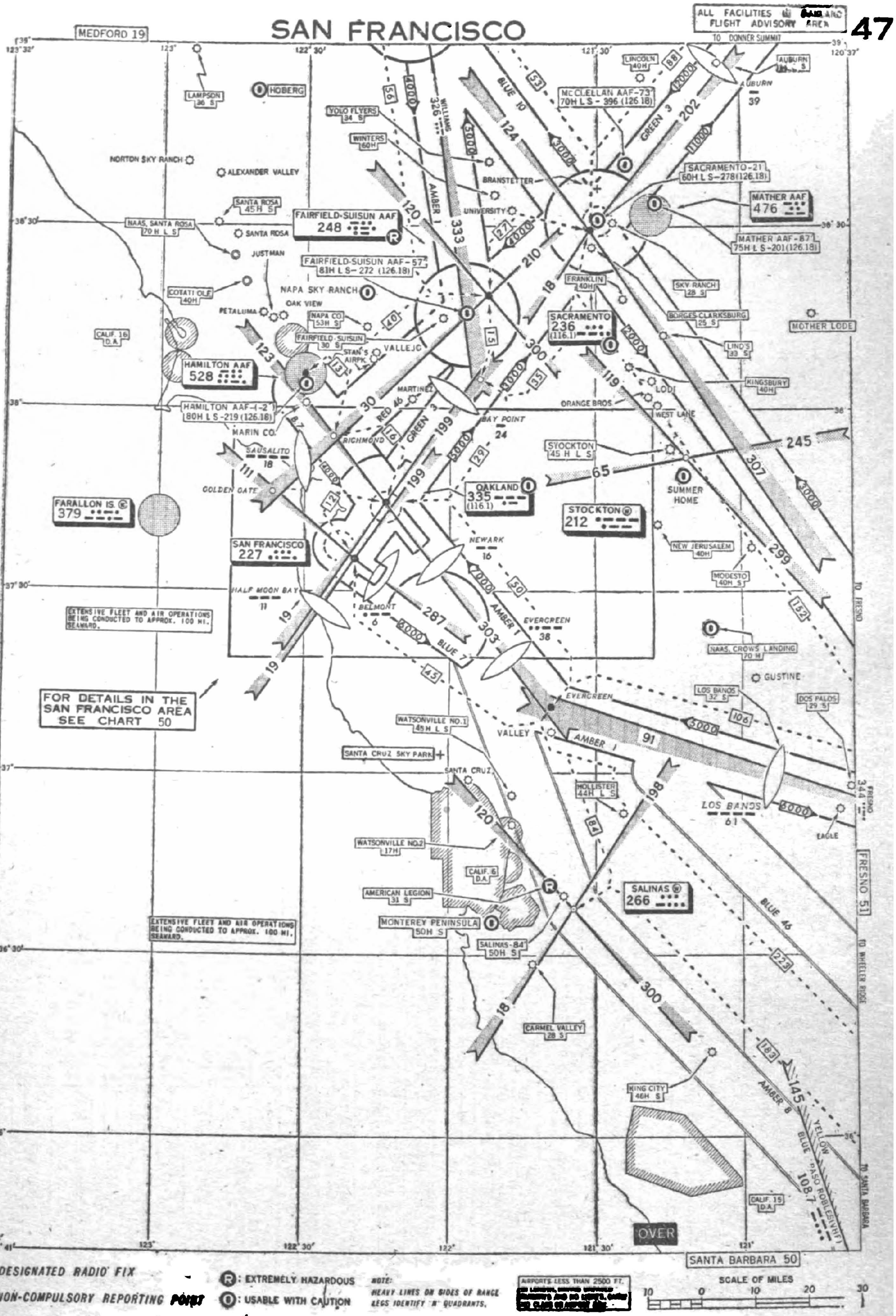
AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
MASSACHUSETTS				
Shawsheen Pines (Billerica)	2.7 E,RR NE	110	24h S6	80,91 oct. Ltd sto.Rnwy data unver. Trees NE,E.
Sherman Memorial (Mansfield)	3 SSW,RR W	130	17 S1	73 oct. Trees sur SE fld.
(N)South Weymouth NAF	1.5 SSE,RR W	152	45 R2 L5 S4	100 oct. B-2 lgts (N)
(N)Squantum NAS (N)	0.8 W,bay N	10	41h R2 L5 S4	91,100 oct. No sto. No tact flying
Westboro	1.9 WNW,hwy N	310	13 S6	80 oct.
Wilkins (No.Attleboro)	2 NE,lake NW	200	18 S6	80 oct. Poleline ESE
WORCESTER	3.5 W,RR SE	1009	55h	
Spencer	2 NE	1130	15	Lgts unverified.
Plymouth	SSE	149	09	Data unverified.
Revere	1 N	20	21h L S6	80,91 oct. Port lgts.lgs.
Richardson (Dracut)	2 NNW Lowell	115	15 S4	Data unver Data unver
NEW HAMPSHIRE				
Boire (Nashua)	2.8 WNW,RR N	185	20h L3 S6	80 oct. Lgts prior req
CONCORD	1.5 E,riv W	346	40h RI L5 S6	80,91 oct. P-line S.
Daniel Webster (Nashua)	3.5 NW,riv E	192	24 S6	80,91 oct. Data not verified.
(A)Grenier (Manchester)	4 S,RR E	230	70h R3	CLOSED (A)
Hampton	1.6 N,RR W	80	22 S5	80 oct. No sto. Trees N, S.
Hooksett Land & Seaplane	2 S,RR E	187	32 S6	80 oct. No sto.
Laconia	3.9 NNE; RR S	536	35h L5 S6	73,80,91 oct. Fld lgts prior req.
Lakes Region (Wolfeboro)	2.6 W,RR E	580	14 S1	80 oct. No sto.
Merrimack Bay (Concord)	5 NNW,RR W	260	15 S2	80 oct. Poleline S.
Plymouth Mun. Arpk.	3.5 WNW,RR N	506	18 S2	Ltd 80 oct. Poleline N
(P)Portsmouth	3 W,bay W	94	50h L5 S6	80,91 oct.
Wayside(Sommersworth)	2.4 W,RR N	200	12 S2	80 oct. Trees SSE.
Gale City (Nashua)	4 S		23 S4	80 oct. Data unver
RHODE ISLAND				
(N)Charlestown NAAS (N)	1.9 SW,hwy N	32	58h RI L5 S1	91, 100 oct. No bcn.
GREENE(Providence)	7 S,RR W	53	41h R2 L5 S6	80, 91 oct.
Mineral Springs (Providence)	4.6 NW,hwy E	240	11 S4	73 oct. No sto. Trees surround field.
(N)Quonset Point NAS (Providence) (N)	16.5 S	14	60h R2 L5 S6	91, 100 oct.
Riconn (Greene)	1.8 WNW,RR S	390	15 S4	80 oct.
Smithfield	1 NE,RR W	400	17 S6	80 oct. Flares on req.
Westerly	2.4 SSE	81	40h	Riv. E.
Woonsocket	2.5 E,riv WSW	400	17 S6	80 oct. Riv WSW
North Shore(Essex, Mass)	Adj NW	20	15 S1	Data unverified,

→ NEW OR REVISED DATA

46 BOSTON


ALL FACILITIES IN BOSTON FLIGHT ADVISORY AREA
PRESQUE ISLE 18
PORTLAND 206 (116.1)
NAS. BRUNSWICK 382
BOSTON 263 (116.1)
BOSTON AREA
PLYMOUTH MUN.
LACONIA
LAKES REGION
HILLTOP
MERRIMACK BAY
BOSCAWEN
CONCORD
CONCORD 251 (116.1)
WAYSIDE
HOOKSETT
GRENIER AAF 278 KC 126.18 MC
GRENIER AAF 338
N.H. 1 D.A.
BOIRE
DANIEL WEBSTER
N. H. MASS. GATE CITY
GROTON
RICHARDSON
FITCHBURG
AYER
SHAWSHEEN PINES
BOLTON
WESTBORO
MARLBORO
LEICESTER
SPENCER
WORCESTER
GRAFTON
AUBURN
FRANKLIN-NORFOLK
FRANKLIN
MENDON
WOONSOCKET
SMITHFIELD
PUTNAM
RICONN
PLAINFIELD
FOSTER
WESTERLY
NAAS. CHARLESTOWN 3295 (142.74)
N.Y. 3 D.A.
NAS. QUONSET PT. 356
NAS. QUONSET PT. 227 (142.74, 126.18)
MASS. R.I.
CONN. R.I.
PORTSMOUTH
HAMPTON
CHESTER
HAVERHILL
PLUM IS
BOSTON ATC
ME. 3 D.A.
AMBER 7
NO. SHORE
BEVERLY
PEABODY
LAWRENCE
SANFORD
BIDDEFORD
KENNEBUNK
SCARBORO
PORTLAND
PORT OF MAINE
YARMOUTH
STOVER
DOUGLAS
MERRYMEETING
RIVERSIDE
NAS. BRUNSWICK
AUGUSTA
BEDFORD AAF 212 (126.18)
BEDFORD AAF 522
LOGAN 278 KC 118.1, 118.7, 126.18 MC
EVERETT
REVERE
SOUTH BOSTON 5
NAS. SQUANTUM 323 (142.74)
NAS. SQUANTUM 472
NAF. SO. WEYMOUTH 3295 (142.74)
NAF. SO. WEYMOUTH 420
NORWOOD
BOSTON-METRO
EASTON 18
WILKINS
MANSFIELD
SHERMAN MEM.
SCALE
NAS. SQUANTUM 472
BRANT ROCK 20
NAF. SO. WEYMOUTH 420
PLYMOUTH
EASTHAM THUNDERTOWN
MASS. 2 D.A.
MASS. 1 D.A.
GREENE 278 (118.9)
PROVIDENCE 347 (116.1)
CAPE COD
CHATHAM
NAAS. OTIS
HYANNIS
C.A.
NEW BEDFORD
FALMOUTH
BOSTON OCEANIC ATC
NEW YORK OCEANIC ATC
OAK BLUFFS
MARTHA'S VINEYARD
EDGARTOWN
NANTUCKET
MASS. 2 D.A.
EAST BOSTON
KING
MYRICKS
MINERAL SPRINGS
PROVIDENCE
TO MONTPELIER
TO LEBANON
ALBANY 43
ALBANY 365
HARTFORD 329
TO HARTFORD
WOODSTOCK
STATUTE 10 MILES
BLUE 4
BLUE 41
BLUE 40
RED 11
RED 13
AMBER 7
G 2
R 33
149
84
228
264
338
329
44
256
118
298
205
211
252
76
172
262
344
352
82
293
106
286
273
93
339
47
58
159
141
218
321
158
262
38
82
211
3000
4000
2000
88
66
55
22
83
63
76
29
49
40
44
31
42°30'
42°20'
42°10'
42°
41°30'
41°
71°10'
71°20'
70°30'
70°
69°30'
69°
72°
71°30'
71°
OVER
● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
O: USABLE, WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

SAN FRANCISCO



LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUBURN FM	(-)	FM, 22°,39	Sacramento
BAY POINT FM	(-)	FM, 19°, 24	Oakland
BELMONT FM	(. - -)	FM, 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM, 123°, 37.5	Oakland
FAIRFIELD-SUISUN(Fairfield)	248 (DFA)	SBMRAZ-DT	(3),126.18 cont,4220 kc on req.
→ Fairfield-Suisun AAF (Army)	272 (126.18)	CA(ILS);210°,4.7	(3); 4220;126.18 (GCA)
FARRALLON ISLAND	379 (FQ)	HW	
HALF MOON BAY FM	(- - -)	FM, 199°, 11	San Francisco
HAMILTON (San Rafael)(Army)	328 (DHF)	HZ	
Hamilton Field	219 (126.18)+	CA; 160°, 2.1	(3);126.18,4220 kcs on req.
LOS BANOS FM	(- - - -)	FM, 271°, 61.2	Fresno
MATHER(Sacramento)	201 (126.18)	CA; 298°, 8.9	(3); 126.18
Mather Army (H fac.)	376 (DIM)	H	
McCLELLAN (Sacramento)	356 (126.18)	CA	(3); 126.18
NEWARK FM	(- -)	FM, 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX,199°,0	(4); 116.1
SACRAMENTO	236(SZ)(116.1)	SBMRAZ-VDT	(3); 116.1
Sacramento Airport	278 (126.18)	C; 22°, 1.7	(4);126.18
SALINAS	266 (SB)	MRLW , 310°,2.4	
SAN FRANCISCO	227 (SF)	SBMRLZ-DT,291°,3.6	(3)
SANTA ROSA NAAS (NC)	3295 (142.74)	CN	(3); 142.74 (req. only)
SAUSALITO FM	(- - - -)	FM, 278°, 17.5	Oakland
STOCKTON,CALIF.	212(W)	MRLW,285°,3.1	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. on mcs. Compass Locators in acs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	BARRIER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
FAIRFIELD, CALIF	110.3	335	210° Mag.	IM- (0.5)	MM- (1.1)	OM-	
					MMK-		OMK-
				IM-	MM-	OM-	
					MMK-	OMK-	
				IM-	MM-	OM-	
					MMK-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexander Valley (Healdsburg)	3.7 ENE,riv NE	180	19 S2	80 oct.Hill SSE.
Amador Co.(Jackson)(NC)	2.5 NW,hwy S	1450	15	Trees S.
American Legion(Salinas)	1.8 NNW	75	31	
★ Auburn Int,10,SF-SL	3.3 N,RR SE	1510	31 L3 S6	80 oct.
Borges-Clarksburg (Clarksburg)	2.4 NNE,riv SE	15	25 S6	80 oct.No sto.Power line E.
Branstetter (Sacramento)	3 NNW,RR E	30	30 S6	73,80 oct.Data unver.
Carmel Valley	12.5 ESE,riv S	450	28 S4	80 oct.No sto.
(N) Cotati OLF (N)	1.5 N,RR E	94	40h	INACTIVE. Wires E.
(N) Crows Landing NAAS (N)	2.5 NW,RR E	166	70h	INACTIVE.
Dos Palos	1.6 S,RR W	146	29 S6	80,91 oct.No sto.Pole line S.
Eagle (Dos Palos)	6.5 SW,creek N	167	23 L1 S4	80,91 oct.No sto.
Fairfield-Suisun	1 E,RR N	7	30 S5	80 oct.Poles N,S.
(A) Fairfield-Suisun AAF (A)	5.5 NE	57	81h R3(L6)S4	73,91,100 oct.FOREIGN CLEAR. STN.
Franklin	5.5 SSE; riv E	21	40h	
Gustine	2.2 E,RR W	120	24	Hwy N
(A) Hamilton(San Rafael)(A)	6.5 NNE,bay E	2	80h R2 L5 S6	73-100 oct.JP-1. Twrs W.
Hoberg (Lower Lake)	4 WSW,hwy SW	2150	34 S1	80 oct. Hill NW.
Hollister	2.9 N,RR SW	234	44h L5 S2	80, 91 oct.
Justman (Petaluma)	1.5 ENE,RR SW	25	16 S4	80 oct.No sto.
→ King City	1.5 NNE,RR W	360	46h S5	80,91 oct.
Kingsbury (Lodi)	6 WSW	15	40h	RR NE.
(P) Lampson (Lakeport)	4 SSE,hwy S	1300	36 S2	80 oct.Poles SE.
Lincoln (Sacramento)	3.2 WNW,RR NE	120	40h	
Lind's (Lodi)	4.8 N,hwy E	54	33 S6	80 oct.No sto.Poles E.
Lodi Airpark	4.5 SW,RR W	25	28 S6	80 oct. Hwy E.
Los Banos	1.2 W,canal S	126	32 S6	80,91 oct.No sto.Poles S.
(A) McClellan (Sacramento)(A)	9 NE,RR SE	73	70h R1 L5 S4	62,73,91,100 oct.JP-1.
Marin County Inc. (San Rafael)	2.9 NNE,RR W Hwy W	2	17 S4	80 oct.
Martinez	0.8 N,RR S	6	20 S6	80 oct.Hill WSW.
(A) Mather (Sacramento)(A)	10.5 E,RR NW	87	75h R2 L5 S6	91,100 oct. No sto.
Modesto	2.2 ESE,riv S	100	40h L1 S6	73,80 oct.Bcn prior req.
(P) MONTEREY PENINSULA	3.4 ESE,bay N	220	50h L2 S1	80,91 oct.Lgts prior req.Data unver.
Mother Lode(Valley Sprgs)	6.6 NE,hwy S	1600	28 S2	80 oct.Pole line ESE,S.
(P) Napa County (Napa)	5.5 S,riv W	37	53h L5 S4	73,80,91 oct.No sto.Fld lgts prior req.
Napa Sky Ranch (Napa)	2.2 NNW,RR W	40	18 S5	80, 91 oct. Hwy W
New Jerusalem(Tracy)	8 ESE	56	40h	River E.
Norton Sky Ranch (Healdsburg)	5.2 NNW,RR E	225	23 S4	80,91 oct.No sto.Pole line NW.
Oak View (Petaluma)	3.3 ENE,RR SW	50	20 S1	80 oct,Pole line WNW.
Orange Bros. (Stockton)	5 N	23	20 L S6	80 oct,Port rnwy lgts,Poles W.
Petaluma	1.7 N,RR E,W	30	15 S4	80 oct.
(P) SACRAMENTO	4 S,RR W	21	60h R2 L5 S6	73-100 oct. Pole line E.
Salinas	2.5 SE,RR SW	84	50h L5 S6	80, 91 oct. Lgts on req.
Santa Cruz	4.8 E,RR W	96	24 S1	80 oct.
Santa Rosa	7 NW,RR E	118	45h L5 S6	80,91 oct.Lgts on req.
Santa Rosa Airpark	2.8 NNW,RR SW	170	22 S1	73, 80, 91 oct.
(N) Santa Rosa NAAS (N)	2.5 SW, RR E	111	70h R1 L5 S4	91, 100 oct. No sto.
Sky Ranch (Sacramento)	4 SSE,RR W	26	28 L S5	80,91 oct,Port rnwy lgts,Pole line SE.
Stan's Arpk (Vallejo)	2.5 NNW,RR E	5	24 S4	80 oct.
State Forestry(Davis)(NC)	3 E,hwy N	228	26	Power line W.
Stockton	4 SSE,RR W,SW	27	45h L5 S6	80, 91, 100 oct.
Summer Home(Manteca)	1.5 NE,hwy W	50	18 S2	80 oct.Wires,trees SE.RR W.
University(Davis)	2.4 WSW,RR E	65	37 S6	80, 91 oct. Hwy S.
Vallejo Sky Harbor (Vallejo)	3.5 NNW,RR, hwy adj E	10	25 S6	80,91 oct.
Valley (Morgan Hill)	1.2 S,hwy E	540	17 S1	80 oct.Pwr pole SE.
(P) Watsonville #1	2.6 NW,bay SW	178	45h L5 S6	80, 91 oct.
Watsonville #2	3.8 SSW,bay W	125	17h	
West Lane(Stockton)	4.1 N,RR W	25	25 S1	73, 80 oct.
Winters Flight Strip(Davis)	6.2 WNW,hwy W	97	60h	
Yolo Flyers (Woodland)	5.5 W,hwy E	75	34 L S4	80 oct.No sto.Port rnwy lgts. Poles E.
Placerville (NC)	1.5 SE,hwy NW	2550	32	Use in emerg. only.
→ Santa Cruz Sky Park	5 N; hwy E		21h S2	80,91 oct. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMEDA NAS	257(126.18,142.74)	CN	(3);126.18,142.74
Alameda NAS (Seaplane)	2870	CN	2870
BAKERSFIELD (Kern County)	239(BD)(116.1)	SBMRAZ-VDT	(3); 116.1
Bakersfield Kern Co.	278 (118.5)	C (ILS);141°, 1.5	(4);126.18,131.9,118.5,142.74
BELMONT FM	(. - -)	FM; 107°, 5.8	San Francisco
BELMONT	356 (F)	FMK; 107°, 5.8	San Francisco
EVERGREEN FM	(. . - -)	FM; 123°, 37.5	Oakland
HALF MOON BAY FM	(- - -)	FM; 199°, 11	San Francisco
LEBEC FM	(- -)	FM, 141°, 42	Bakersfield
MOFFETT NAS (Mountain View)	3295	CN	(3); 126.18, 142.74
MT. VIEW (Navy)(Moffett NAS)	323 (NUQ)	BMRLZ; 320°, 1.9	(3); 126.18,142.74
NEWARK FM	(- -)	FM; 123°, 16	Oakland
NEWARK	371 (O)	FMK; 123°, 16	Oakland
OAKLAND	335(OA)(116.1)	SBRAZ-VDTX	(4); 116.1
→ Oakland Airport	278(126.18,118.7)	AC (ILS); 199°, 0	(4);126.18,118.7,131.9,122.5
POINT MUGU NAF	338 (142.74)	CN	3105,6210; 142.74 (8-20)(GCA)
SAN FRANCISCO	227 (SF)	SBMRLZ-DT	(3)
→ San Francisco Airport	269(126.18,118.9)	C; 291°, 3.6	(4); 126.18,118.9,131.9 ,122 5
SANTA BARBARA	230(OY)(116.1)	BMRLZ-VDT	(4); 126.18,142.74,116.1
Santa Barbara Airport	278 (118.7)	C; 74°, 2.2	(4); 118.7,131.9 (7-23)
SAUSALITO FM	(- - - -)	FM; 278°, 17.5	Oakland
PASO ROBLES, CALIF.	(108.7)(OB)	VARW	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT-& MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD, CALIF.	109.9		300°Mag.	IM- (.07)	MM- ····· (.80)	OM- -- (4.71)
					MMK-	OMK-
Oakland, Calif.	109.9		273°Mag.	IM- ····· (.12)	MM-	OM- -- (2.00)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

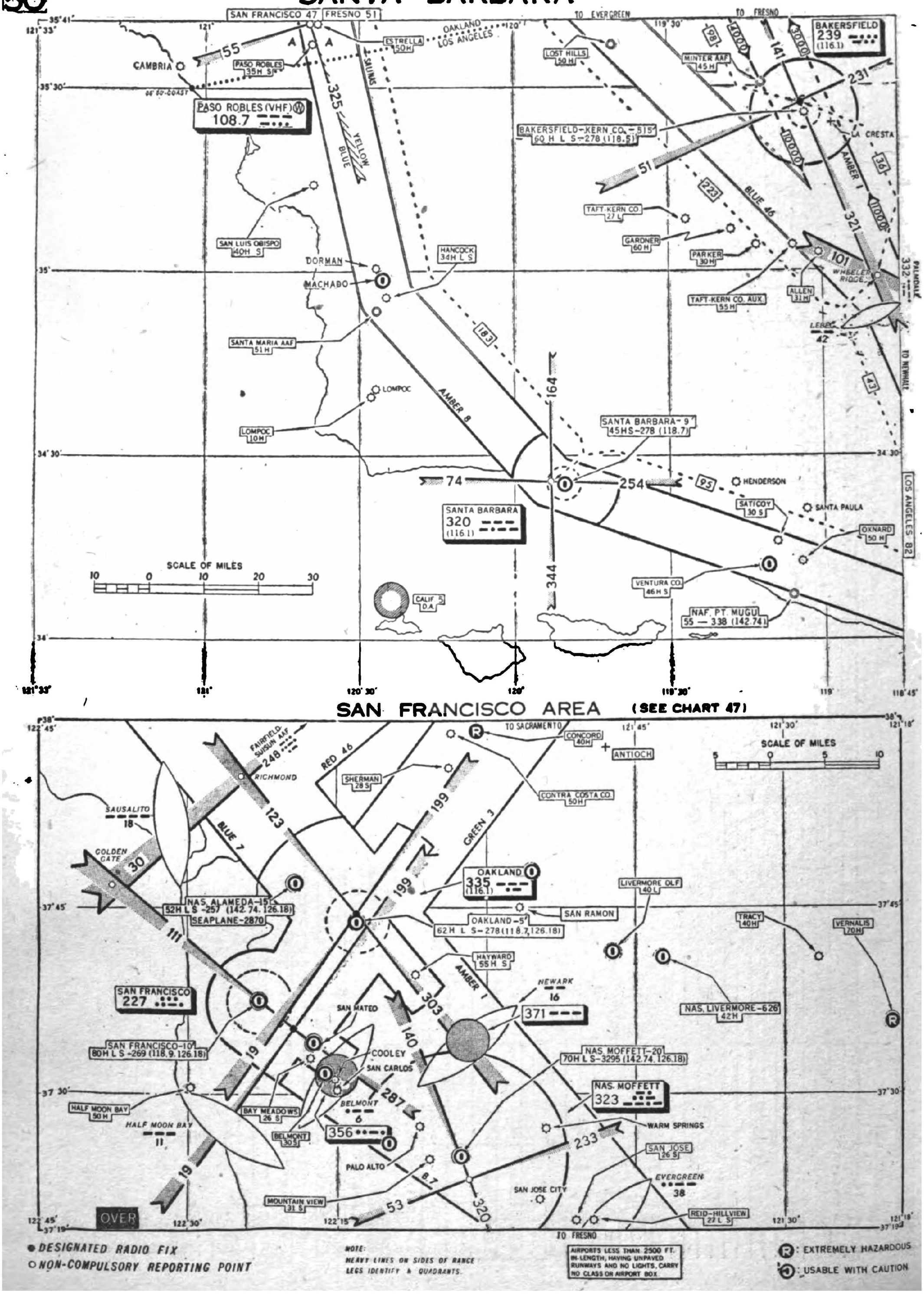
AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Alameda NAS (N)	4.5 WNW;bay S W	15	52h R1 L5 S6	91,100 oct.No sto.NAFC.
Allen (Taft)	26 ESE	500	31h	
Bay Meadows (San Mateo)	1.7 SE,RR W	6	26 L3 S6	80,91 oct.Bldg SSE.No bcn. Strip lgts prior req.
Belmont	0.5 N,RR W	5	30 S4	73,80 oct.No sto.Bay E.
Cambria	0.9 SSE,hwy E	350	19	Trees W, NW.
(N) Concord (N)	1.9 NE,hwy S	104	40h	CLOSED
Contra Costa Co. (Concord)	1.5 NW,hwy S	22	50h	
Crawford USFS (Santa Ynez)	4.2 ESE,hwy S	525	13	(NC)
Cuyama USFS (Maricopa)(NC)	16 SSW	2749	26	
(A) Estrella AAF (Paso Robles)(A)	4.5 NE	806	50h	CLOSED
(A) Gardner (Taft)(A)	9 ESE,RR SE	444	60h	CLOSED
(A) Half Moon Bay (A)	5.5 NW,hwy NE	36	50h	CLOSED
Hancock (Santa Maria)	1.2 SE,RR N	236	34h L4 S4	80,91,100 oct.No bcn.Pwrline,twr W.
Hayward	2 WSW,RR W	25	55h L5 S6	80,91 oct.No sto.Fld lgts prior req.
Henderson (Ojai)	3.5 WSW,RR E	600	16 S1	80 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unver.
(N) Livermore NAS (N)	3.7 E,RR N	626	42 h	INACTIVE

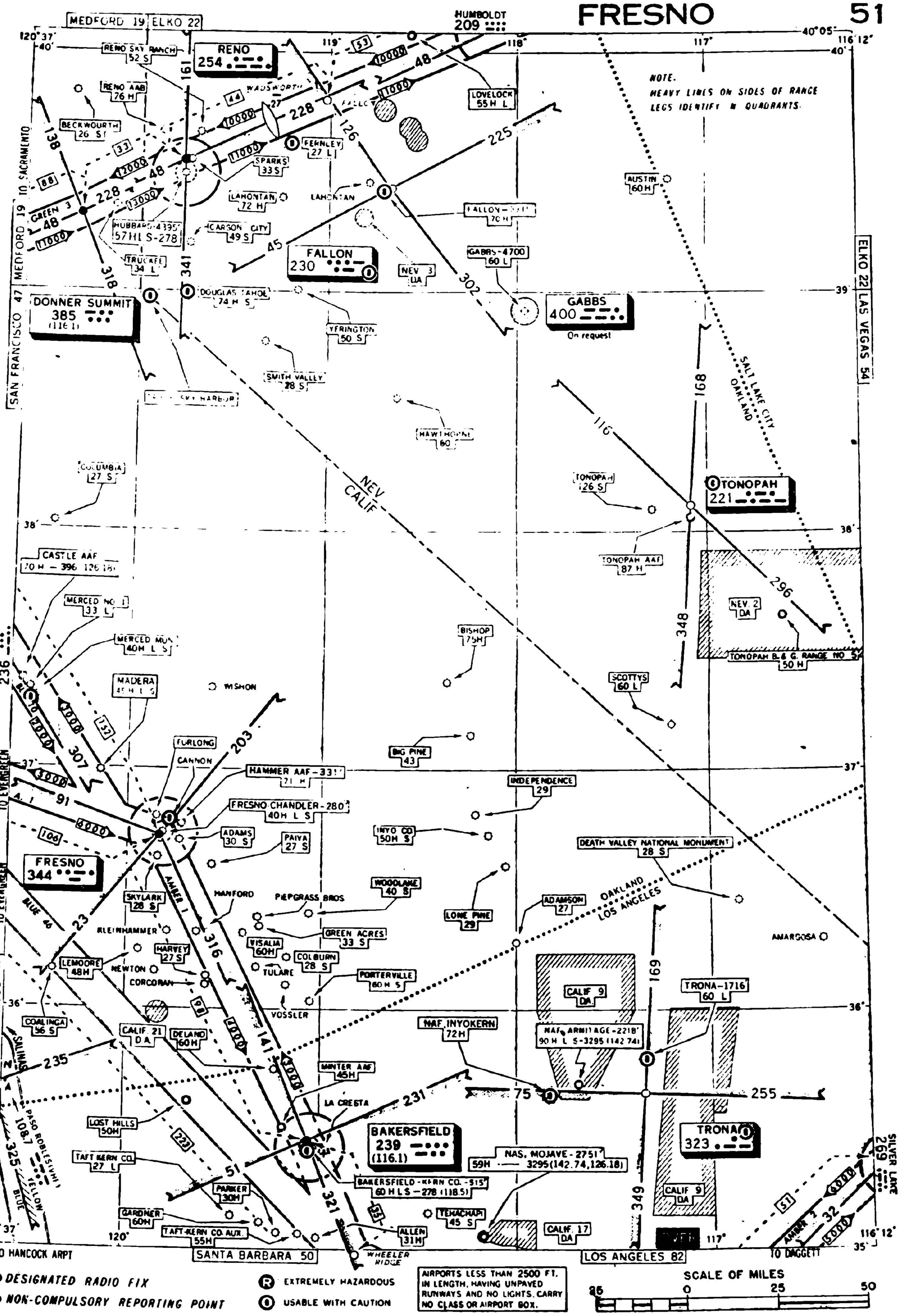
CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Moffett NAS (LTA)(Mountain View) (N)	2 NE,hwy S	20	70h R2 L4 S4	91,100 oct.No sto.
Mountain View	2.2 NW,RR W	57	31 S6	73 oct.
(N) Oakland	5 S,RR SE	5	62h R3 L6 S6	73,80,91,100 oct.2-way rdo req.
(A) Oxnard Flight Strip (A)	5.5 E,RR S	84	50h	CLOSED
Palo Alto	2 ENE,bay E	5	23 L S6	73,80 oct.Port.rnwy lgts.Poles S
Parker (Taft)	15 SE	550	30h	
Paso Robles	2.7 ESE,hwy W	810	35h S5	80,91,100 oct.
(N) Point Mugu (N)	3.6 NW		55 R1	Twr,hi-line E.CLOSED
Reid-Hillview (San Jose)	4 E,hwy N	200	27 L3 S6	80,91 oct.No sto.or bcn.Poles N,S.
San Carlos	1 SE,RR SW	2	23 S6	80,91 oct.Poleline NW,SE.
(P) SAN FRANCISCO	9 SSE,bay E	10	80h R2 L5 S1	80,100 oct.No sto.Rdo req.
San Jose City (San Jose)	2 NW,RR SW	70	18 S6	91 oct.No sto.Pwr line S.
(P) San Luis Obispo	2 SSE,hwy E,S	200	40h L5 S4	80,91 oct.No sto.
San Mateo	2.2 ESE,RR E	6	15 S6	80,91 oct.No sto, Hwy W.
San Ramon	2.5 SE,RR adj E	440	25 S2	80,91 oct.
(P) SANTA BARBARA	8.1 W;ocean S	9	45h R2 L5 S6	80,91,100 oct.Twr S,obst lgtd.
→ Santa Maria (AAF)	3.5 S,hwy E	258	51h	CLOSED
Santa Paula	0.8 S,riv S	240	22 L S6	80 oct.Port.strip lgts prior req.
Saticoy	1.5 S,RR N	80	30 S1	80,91 oct.No sto.Trees NE.
Shafter-Kern Co.(Shafter)(NC)	3.3 SSE,RR adj E	340	20	
Sherman (Walnut Creek)	3 N,RR E	100	28 S4	80 oct.Poles NW,SE.
Taft-Kern County (Taft)	0.6 E,hwy N	875	27 L3	
Taft-Kern County #2(Taft)(NC)	7 ESE	444	26	
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tracy #5	3.6 S	190	40h	
Ventura County (Oxnard)	1 W,hwy E	44	46h L S6	80,91 oct.Flares prior req.
Vernalis	2.3 S	207	70h	
Warm Springs	2.3 SSE,RR W	100	29 S6	91,80 oct.No sto.
Cooley (San Carlos)	2.9 NNW,RR S	6	21 S6	80,91 oct. Hwy SW.
Dorman (Santa Maria)	4 N,RR SW	380	23 S1	80 oct.
Machado (Santa Maria)	2.2 N,RR S	230	22 S4	80 oct. No sto.
San Jose	3.4 E; road SW	125	26 S4	91 oct.
Antioch	3 S; lake NW		20 S1	80 oct.Pole line W.Data unverified.
(P) BAKERSFIELD-KERN CO	4.4 NNW,RR W	515	60h R3 L5 S6	80,91,100 oct.

SANTA BARBARA



FRESNO 51


MEDFORD 19 ELKO 22
HUMBOLDT 209
RENO 254
RENO SKY RANCH 52 S
RENO AAB 76 H
BECKWOURTH 26 S
WADSWORTH
FERNLEY 27 L
SPARKS 33 S
LAHONTAN 72 H
LAHONTAN
CARSON CITY 49 S
HUBBARD-4335' 57 H L S-278
TRUCKEE 34 L
FALLON 230
NEV 3 DA
DOUGLAS TAHOE 74 H S
DONNER SUMMIT 385 (116.1)
YERINGTON 50 S
SMITH VALLEY 28 S
HAWTHORNE 60
LOVELOCK 55 H L
AUSTIN 60 H
GABBS-4700 60 L
GABBS 400
On request
SALT LAKE CITY OAKLAND
NOTE. HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY IN QUADRANTS.
TONOPAH 221
TONOPAH 126 S
TONOPAH AAF 87 H
NEV. 2 DA
TONOPAH B. & G. RANGE NO 5A 50 H
SCOTTYS 60 L
COLUMBIA 27 S
CASTLE AAF 70 H — 396 (126.18)
MERCED NO 1 33 L
MERCED MUN 40 H L S
SACRAMENTO 236
MADERA
WISHON
BISHOP 75 H
BIG PINE 43
FURLONG
CANNON
HAMMER AAF-331' 71 H
FRESNO-CHANDLER-280' 40 H L S
FRESNO 344
ADAMS 30 S
PAIVA 27 S
INDEPENDENCE 29
INYO CO 50 H S
DEATH VALLEY NATIONAL MONUMENT 28 S
SKYLARK 28 S
HANFORD
PIEPGRASS BROS
WOODLAKE 40 S
LONE PINE 29
ADAMSON 27
OAKLAND LOS ANGELES
KLEINHAMMER
VISALIA 60 H
GREEN ACRES 33 S
HARVEY 27 S
COLBURN 28 S
LEMOORE 48 H
NEWTON
CORCORAN
TULARE
PORTERVILLE 60 H S
AMARGOSA
COALINGA 56 S
CALIF 21 DA
DELANO 60 H
VOSSLER
CALIF 9 DA
TRONA-1716' 60 L
NAF INYOKERN 72 H
NAF ARMITAGE-221B' 90 H L S-3295 (142.74)
MINTER AAF 45 H
LA CRESTA
LOST HILLS 50 H
BAKERSFIELD 239 (116.1)
TRONA 323
NAS, MOJAVE-2751' 59 H — 3295 (142.74, 126.18)
TAFT KERN CO 27 L
BAKERSFIELD-KERN CO.-515' 60 H L S — 278 (118.5)
PARKER 30 H
GARDNER 60 H
YEHACHAPI 45 S
CALIF 17 DA
CALIF 9 DA
TAFT KERN CO AUX 55 H
ALLEN 31 H
WHEELER RIDGE
TO HANCOCK ARPT
SANTA BARBARA 50
LOS ANGELES 82
TO DAGGETT
SILVER LAKE 269
SAN FRANCISCO 47
SANTA BARBARA 80
TO EVERGREEN
NEV CALIF
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT BOX.
SCALE OF MILES
25 0 25 50

CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS OF OPER., REMARKS
ARMITAGE (Inyokern)	3295(142.74)	CN	(3);126.18,142.74(days)
BAKERSFIELD (Kern Co.)	239 (BD)(116.1)	SBMRAZ-VDT, 141°, 1.5	(3);116.1
CASTLE FLD (MERCED)	396(126.13)	CA	(4);126.13
DONNER SUMMIT	385 (DS)(116.1)	BMRL-VDT	(4) ±116.1
FRESNO (Fresno-Chandler)	344 (FT)	SBRAZ-DT,23°, 0.9	(4)
MOJAVE NAS	3295(126.18)(142.74)	CN	(3);126.18,142.74
TRONA (Int.)	323 (EW)	SBMRAZ-DT, 349°,11	(4)Not manned cont.
BAKERSFIELD KERN CO.	278 (118.5)	C (ILS)	(4);126.18,131.9,118.5, 142.74

NEVADA

FALLON	230 (VA)	SBRAZ-DT, 219°, 2.9	(4) Not manned cont.
GABBS (Int.)	400 (GZ)	MHP	(4) not manned cont.
LUBBARD FLD (Reno)	278	CI	(4); Wed,Sat,Sun 6-19, other days 8-1630)
RENO (Hubbard)	254 (RT)(116.1)	SBRAZ-VDT,161°,3.3	(4); 116.1
TONOPAH (AAF)	221 (RY) +	SBRAZ-DT,168° 2.8	(4) not manned cont.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
BAKERSFIELD, CALIF.	109.9		300° Mag.	IM (.07)	MM ·····(.80)	OM ——(4.71)
				MK	MMK	OMK

S-Simul. Range and Voice, W-Without Voice. Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs. (4) 3106, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.65, 140.56 mcs

AIRPORTS — CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Adams (Fresno)	4 SE;RR S,W	295	30 L S6	80,91 oct.No sto.Poleline NNW,SSE.Port rnwy lgts.
Adamson (Olancha)	0.6 SE;hwy W	3648	27	30' poles W; 75' twr E.
Allen (Taft)	26 ESE	500	31h	
Amargosa (Death Valley Jct)	0.7 W;hwy E	2037	22 S1	73 oct. Pole line S.
Big Pine	3.4 ESE;RR W	4000	43	1500'mts SE;1000' mts E.
(A) Bishop AAF (A)	2 ENE;riv E	4121	75h	CLOSED
Bryant (Bridgeport)(NC)	0.3 NNE;hwy SW	6465	40	
Cannon (Fresno)	2 N;RR W	310	19 S6	80 oct.Pole line NNW.
(A) Castle (Merced) (A)	7 NW;RR SW	185	70h R1	CLOSED.
Coalinga	1.5 N;hwy E	664	56 S4	80 oct. Hill N,W.
Colburn (Lindsey)	4.7 W;RR E	325	28 S4	73, 91 oct.
Columbia (Sonora)	4 NNW;hwy E	2150	27 S6	73,80 oct.
Corcoran	1.3 WNW;rd S	220	19 S4	73,80 oct.No sto.Poles N.
Cornell (Porterville)(NC)	2.4 SSW;RR E	470	26	Poles SE. AW, SE.
Death Valley (Furnace Creek)	1 WNW	-178	28 S2	87,100 oct.
Defense Plant Corp.(Tulare)	6 SE;RR W	283	23	(NC)
(A) Delano AAF (A)	1.5 SE;RR W	315	60h	CLOSED
FRESNO-CHANDLER (Fresno)	1.8 W;hwy N	280	40h R1 L5 S6	73,80,91,100 oct.No sto.
Furlong (Fresno)	5.5 NW;RR W	285	33 S6	80,91 oct.
(A) Gardner (Taft)(A)	9 ESE;RR SE	444	60h	CLOSED
Great Western (Reedley)(NC)	5 N;RR W	380	20	
Green Acres (Visalia)	1.5 NW;RR S	300	33 S6	80 oct.Pole line SE.
(A) Hammer (Fresno)(A)	4.8 NE;rds N,E	331	71h	TMP INACT NO FACS(See Spl Not.)
Hanford	1.2 SE;RR W	246	20 S4	80 oct.
Harvey (Corcoran)	2.7 NNW;RR W	200	27 S4	80 oct.No sto.
Independence	0.9 N;hwy W	3926	29	Trees S.
(P) Inyo County (Manzanar)	0.5 E;hwy W	3875	50h L5 S2	80 oct.All lgts prior req.
(N) Inyokern NAF (N)	9.5 WNW; RR E	2455	72h	INACTIVE.
Kleinhammer (Lemoore)	1.2 N;hwys S	225	16 S2	80 oct.
La Cresta (Bakersfield)	2.5 NE	660	36h S1	80,91 oct.Data unverified.
Lemoore	9 SW;RR NW	247	48h	
Lone Pine	0.8 SE;RR E	3700	29	Hazardous.
Lost Hills #8	0.2 NE	285	50h	CLOSED
(N) Armitage NAF (Inyokern)(N)	8 ENE	2218		91,100 oct.No sto.CLOSED
Boston Land Co.(Westhaven)	1.7 SSW;hwy N.	300	31	(NC)

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. See page XIIII7(NC)-Not charted. → NEW OR REVISED DATA

CALIFORNIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Madera	3.5 WNW;hwy E	271	45h L5 S4	80-100 oct. No sto.
Mariposa (NC)	4.5 NW;hwy SW	2250	21	
(P) Merced, mun.	1.6 WSW;RR NE	152	40h L5 S6	80,100 oct,No sto.
Merced #1	2.5 NW;RR SW	165	33 L3	No beacon
(A) Minter (Bakersfield)(A)	13.5 NW;hwy E	410	45h	INACTIVE.
(N) Mojave (N)	0.7 E;hwy W	2751	59h R1	CLOSED
Monache Meadow (Olancha)	10.8 WSW	8000	25	USPS. (NC)
Newton (Stratford)	2.7 SSW;riv E	194	23 S4	80 oct.No sto.Pwrline N,NW
Paiva Intercity (Parlier)	1.5 WSW;RR NE	330	27 S4	80 oct.Poles ESE.
Parker (Taft)	15 SE	550	30h	
Piepgrass Brothers (Visalia)	3.7 NNW;riv S	320	20 S2	80 oct.
Porterville	3 SW;RR E	430	60h S1	91 oct.
Randsburg (NC)	1.8 NE;rd SE	3500	20	Poles W.
Sequoia (Visalia)(NC)	8.5 NNW;RR E	310	23	
Shafter-Kern Co.(Shafter)(NC)	2.3 SSE;RR adj E	340	20	
Skylark (Fresno)	8.5 SSW;RR SW	255	28 S6	80,91 oct.
Symons (Bishop)				ABANDONED
Taft-Kern County (Taft)	0.6 E;hwy N	875	27 L3	
Taft-Kern County #2 (Taft)	7 ESE	444	26	(NC)
Taft-Kern Co. Aux. (Taft)	21 SE	444	55h	
Tehachapi	1 N; RR S	3952	45 L S2	73,91 oct. Pole line SE.
Templeton Meadow (Olancha)	12 W	8800	20	S and W blocked. USPS.(NC)
Trona	6 NE;rd W	1716	60 R1 L3	Fld sur by mtns.
★ Truckee Int, 16B, SP-SL	3.6 ENE;RR S	5820	34 L3	Snow Dec.-Apr.
Tulare	2.9 SSE; RR W	300	20 L Se	80,91 oct. No sto.Portrnwy lgts
Tunnel (Olancha) USPS (NC)	16.5 WNW;riv S	9100	21	Mtns - timber 2000' NE.
(A) Visalia AAF (A)	5 W;RR W	292	60h	CLOSED
Vossler (Woodville)	1.3 E;hwy S	345	25	Trees N, S.
Wishon (Bass Lake) USPS	1.5 WNW	3380	28 S1	80 oct. Trees NNW.
Woodlake	2.6 ESE; lake NW	450	40 S4	80 oct. No sto.

NEVADA

(N) Austin CLP (N)	7 WSW;riv NW	5730	60h	
Carson City	3.1 NE;hwy W	4684	49 S6	80 oct.Mts N, hill W.
(P) Douglas-Tahoe (Minden)	2.8 NNE;RR W	4709	74h S6	73 oct.
★ Fernley Int, 22, SP-SL	3.3 E;hwy NW	4156	27 L2	
Fallon	6 SE;hwy S	3931	70h R1	Closed,emergency use only.
★ Gabbs Int, 36, RV-ND	4 NW;hwy E	4700	60 R1 L3	
(N) Hawthorne	2 N;lake NNW	4200	60 L	Emerg. lgtg on ½ hr req.
HUBBARD (Reno)	3.4 SE;RR N	4404	57h R2 L5 S4	80,91 oct. Fld lgts prior req.
Lahontan (Fallon)	1.4 SSW;hwy N	3980	24 S4	80 oct.Poles ENE,WSW.Hwy W
Lahontan Flight Strip (Fernley)	15.5 S;hwy N	4279	72h	
Lovelock	1.5 ENE;riv W	3986	31 S2	80 oct.
Manhattan (NC)	6.8 W;hwy W	5850	40	
(A) Reno AAB (A)	10.5 NNW;RR SW	5046	76h	Mts sur fld.CLOSED
Reno Sky Ranch (Sparks)	8.5 NNE;hwy W	4528	52 S4	73,80,91 oct.Flare pots on prior req.
★ Scottys Int,22,RV-ND	9 SSE Gold Pt.	4300	60 L2	
Smith Valley	1 ESE;hwy N	4850	28 S6	73,80 oct.
Sparks Airpark	0.6 N;RR S	4400	33 S6	80,91 oct. Pole line W.
Tonopah	3.2 WNW;RR S	5600	26 S1	73 oct. by truck
(A) Tonopah AAF (A)	8 E;hwy N	5426	87h R1	TMP INACT NO FACS(See Spl Not.)
(A) Tonopah B & G Range #5 (A)	44.5 SE	5335	50h	Dry lakes N.
Yerington	1.2 N;RR W	4483	50 S1	73 oct.
Tahoe Sky Harbor(Genoa,Nev.)	6 WSW;RR N	6230	42 S1	80 oct.
(P) BAKERSFIELD-KERN COUNTY (Bakersfield,Calif.)	4.4 NNW; RR W	515	60h R3 L5 S6	80,91,100 oct.

LAS VEGAS

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT (Love)	347(PN)(116.1)	SBRAZ-VDT,142°,5.5	(4), 116.1

CALIFORNIA

NEEDLES	400(NJ)(116.1)	BMRLZ-VDT,195°,2.2	(4), 116.1
SILVER LAKE (Int.)	269(RL)(116.1)	SBMRAZ-VDT,132°,1.9	(4), 116.1

NEVADA

CRYSTAL FM	(-)	FM, 28°, 30	Las Vegas
LAS VEGAS	206(LQ)(116.1) (111.1)	SBMRAZ-VDT	(3)131.7,116.1 only
Las Vegas AAF	278(126.18,118.7)H	C (ILS), 28°, 1.9	(4), 131.9,118.7,126.18

UTAH

BRYCE CANYON (Int.)	108.3(BV)(111.1) (116.1)	VAR-VDPT,35°,0.8	3117.5,131.7,116.1, 129.7 cont.(3)req.
ENTERPRISE(Int.)	341(NP)(116.1)	SBMRAZ-VDT,20°, 3.1	(4), 116.1
MILFORD	320(MD)(116.1)	BMRLZ-VT,20°,1	(4), 116.1
ST.GEORGE	108.7(GX)(111.1) (116.1)	VAR-VDP,229°,7.8	3117.5;131.7,116.1, 129.7(3) on req.
GOODSPRINGS, NEV.FM	(- - -)	FM: 203°, 33	Las Vegas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS:		
LAS VEGAS AAF, NEV.	110.3	335	25°Mag	IM	MM ·--- (.66)	OM -- (4.7)
				•	MMK	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
* Ashfork Int,36A, LA-AQ	4.3 W,RR S	5089	41 L3	
Clemenceau (Cottonwood)	1.7 SSW,hwy NE	3400	29 L1 S4	73 oct.
Ernest A.Love (Prescott)	8 NE,RR E	5042	60h R1 L5 S6	80,91,100 oct.
Fredonia	1 NE,hwy W	4800	34	
Grand Canyon-South Rim	14.8 S,RR W	6362	65 S4	80 oct.Trees ENE,WNW, SSW.Rnwy data unver.
Kingman	8.5 NE,hwy NW	3446	65h	
Mohave Co.(Kingman)	6.5 NW,hwy E	2850	34 S1	73 oct.
Port Kingman (Kingman)	3 NE,RR S,E	3453	54 L3 S1	80,91 oct.All lgts prior req.
(P) Valle	2.3 E RR W	5990	60 L3	Fld lgts prior req.
Verde Valley(NC)	1.8 SE,riv W	3400	30	(Cottonwood)
Williams	4.3 N,RR E	6600	41 S6	80 oct.Mts SW.
(A) Yucca AAF(A)	1.5 NE,RR W	2030	60h	CLOSED

CALIFORNIA

* Bagdad Int,16,LA-AQ	1 S,RR N	700	40 L3	
Needles	5.5 S,hwy E	990	58h R1 L3	
Riverview(Needles)	1.4 S,riv N	500	27 S1	80,91 oct.Trees NNE
* Silver Lake Int,18, LA-SL	2.5 SSE,RR E	917	40 R1 L3	Rnwy data unverif.

NEVADA

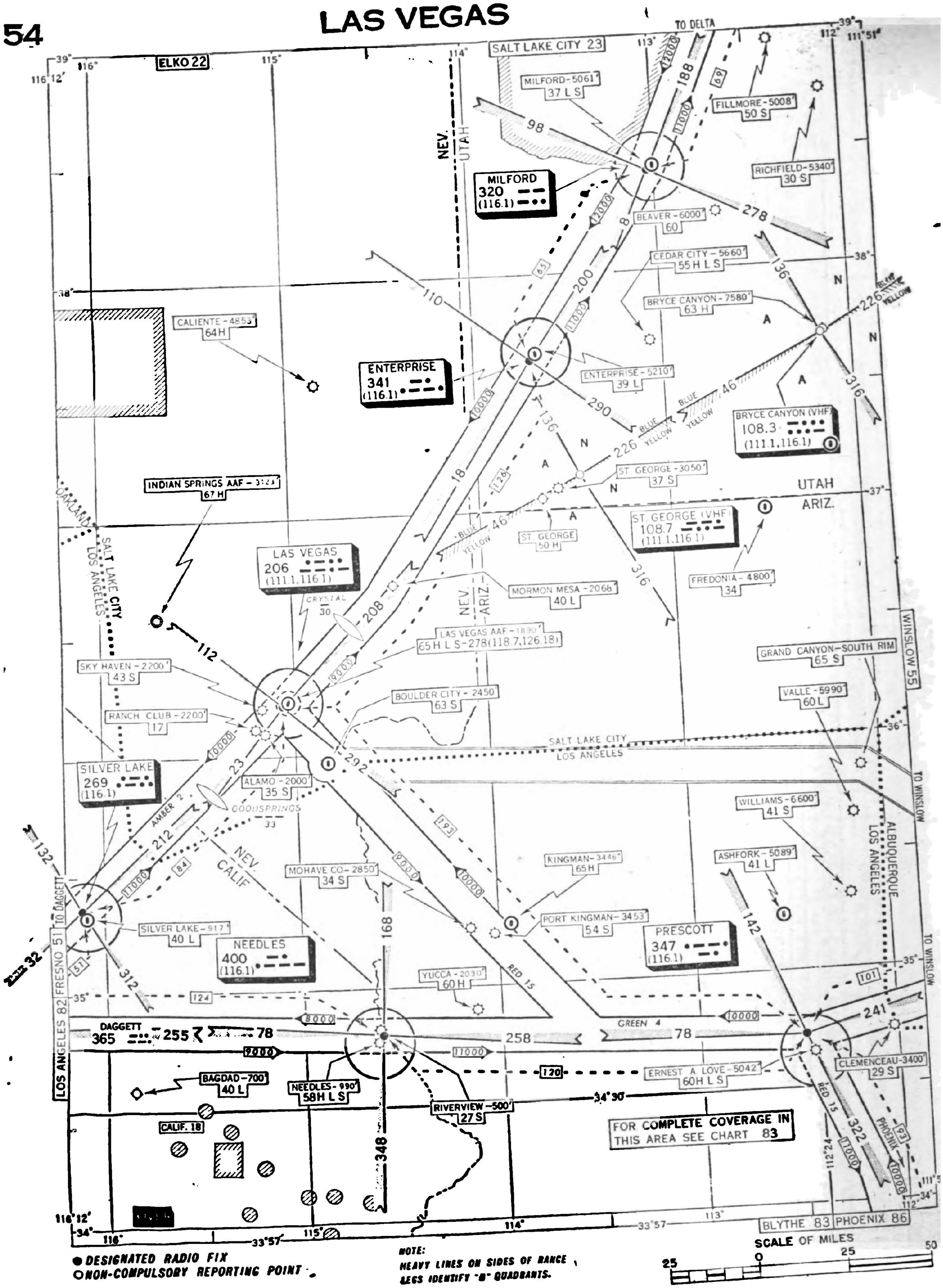
Alamo(Las Vegas)	5.5 SSW,RR SW	2000	35 S4	73,80,91 oct.
(N) BOULDER CITY	1.8 SW,RR W	2450	63 L1 S4	73,80 oct,by truck;91 oct for airlines.
Caliente Flgt Strip	19 W,hwy N	4853	64h	
(A) Indian Springs(A)	2 WNW	3123	67h	TMP INACT NO FACS
(A) Las Vegas AAF(A)	7.8 NE,hwy NW	1890	65h R3 L5 S6	100 oct.(See Spl Not.)
* Mormon Mesa Int, 31B,LA-SL	8 ENE Glendale	2068	40 L3	No sto.
Pahranagat(Alamo)	0.7 W,hwy E	4300	26	(NC)
Ranch Club(Las Vegas)	5.5 SW,RR E	2200	17	Mts WSW,ENE,E.
Searchlight Landing Strip (NC)	10.8 SSE,hwy E	2536	40	
Sky Haven	3.3 NW,hwy W	2200	43 S4	80,91 oct.(Las Vegas

UTAH

Beaver	3.2 SSW,hwy E	6000	60	
* Bryce Canyon Int, 45, LA-DV	5 N,hwy S	7580	63 L3 S2	No fuel.
Cedar City	2.3 NW,hwy W	5660	55h L5 S6	80,91 oct.
* Enterprise Int,39	8 NNE,hwy N	5210	39 R1 L3	LA-SL
Fillmore	2 WSW,hwy SE	5008	50 S2	73 oct.
Milford,45,LA-SL	2.3 NNW,RR E	5061	37 R1 L3 S1	80 oct.
Richfield	1.8 SSW,RR E	5340	30 S4	80 oct.
St.George	1.5 SSW,riv SSE	3050	37 L2 S4	80 oct.Fld lgts & svcg prior req.
* St.George Int,36, LA-DV	6 SE		50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X[11] NC-(not charted). → NEW OR REVISED DATA

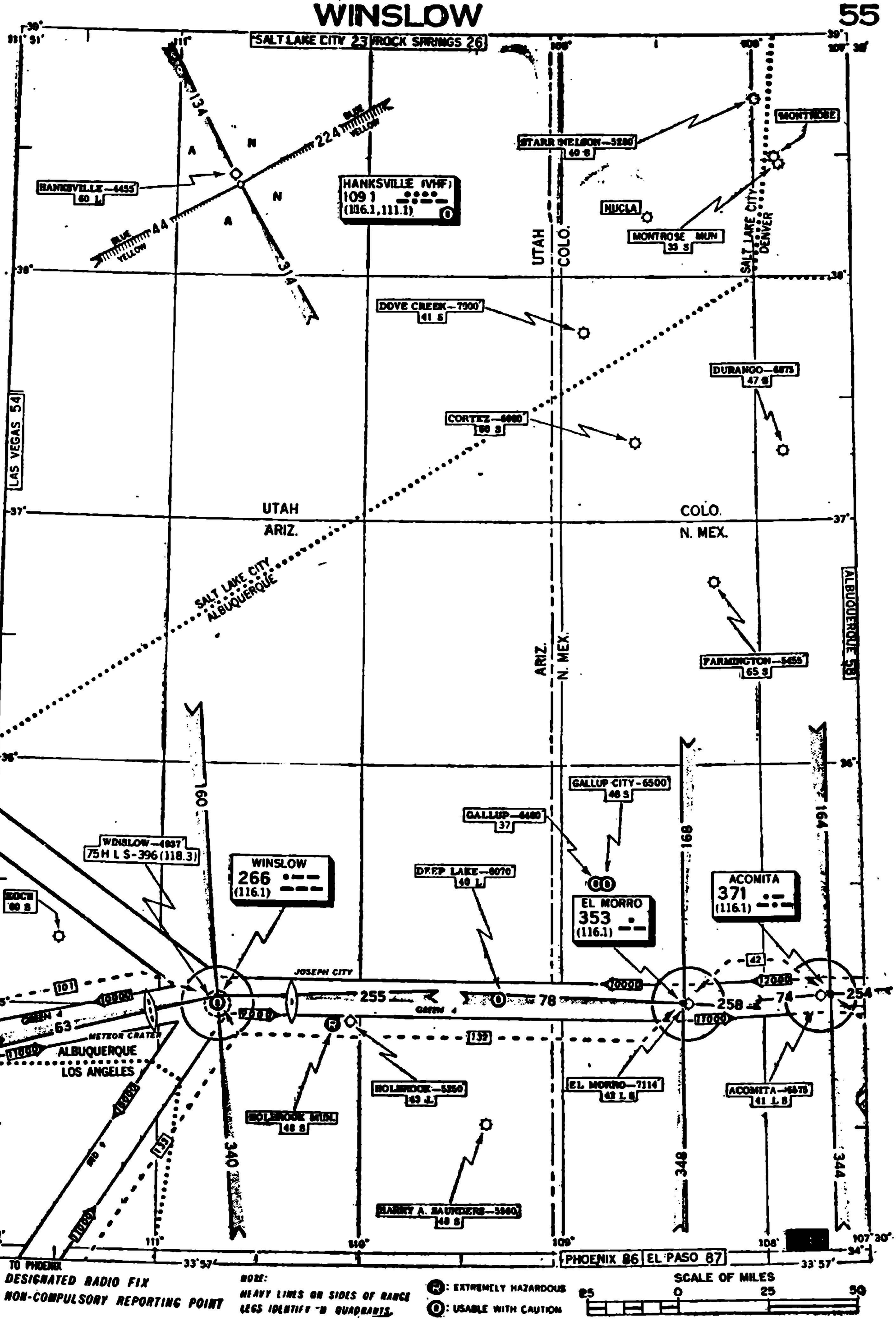
LAS VEGAS



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.

WINSLOW


SALT LAKE CITY 23
ROCK SPRINGS 26
134
224
314
44
BLUE YELLOW
HANKSVILLE—4495
60 L
HANKSVILLE (VHF)
109.1
(116.1, 111.1)
STARR NELSON—5280
40 S
MONTROSE
NUCLA
MONTROSE MUN
55 S
UTAH
COLO.
SALT LAKE CITY
DENVER
DOVE CREEK—7000
41 S
DURANGO—6575
47 S
CORTEZ—6000
LAS VEGAS 54
UTAH
ARIZ.
COLO.
N. MEX.
SALT LAKE CITY
ALBUQUERQUE
ARIZ.
N. MEX.
FARMINGTON—5455
65 S
ALBUQUERQUE 58
GALLUP CITY—6500
46 S
GALLUP—6460
37
WINSLOW—4937
75 H L S-396 (118.3)
WINSLOW
266
(116.1)
DEEP LAKE—6070
40 L
EL MORRO
353
(116.1)
ACOMITA
371
(116.1)
ROCH
60 S
JOSEPH CITY
101
10000
GREEN 4
63
METEOR CRATER
ALBUQUERQUE
LOS ANGELES
TO LAS VEGAS
TO PRESCOTT
TO PHOENIX
255
78
258
74
254
42
12000
17000
132
HOLBROOK—5350
43 L
HOLBROOK MUN.
48 S
EL MORRO—7114
42 L S
ACOMITA—6575
41 L S
HARRY A. SAUNDERS—5560
48 S
60
160
168
164
340
349
344
PHOENIX 86
EL PASO 87
33° 57'
111°
110°
109°
108°
107° 30'
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "H" QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
25 0 25 50

RADIO

ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
JOSEPH CITY FM	(-)	FM, 75°, 20	Winslow
METEOR CRATER FM	(- - -)	FM, 243°,18	Winslow
WINSLOW	266(WO)(116.1)	SBRAZ-VDT	(4), 116.1
Winslow Airport	396 (118.3)	C, 160°, 1.5	(4),118.3,131.9,126.18, (10-18)
NEW MEXICO			
ACOMITA (Int.)	371(AK)(116.1)	BMLZ-VDT,254°,1.9	(4), 116.1
EL MORRO (Int.)	353(EM)(116.1)	BMRLZ-VDT,78°.0.1	(4), 116.1
UTAH			
HANKSVILLE Int.	109.1(HY)(111.1) (116.1)	VAR-VDP,314°,2.8	Not manned cont.! (3) on req,3117.5;116.1, 131.7,129.7

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARIZONA

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Cameron (NC)	1.4 NE;hwy W	4200	50	
★ Deep Lake Int,54A, LA-AQ	1.5 W;hwy E	6070	40 L3	Poles S.
Holbrook	2.2 NNE;RR SE	5200	48 S4	80 oct.
★ " Int,50,LA-AQ	6.6 ENE;hwy N	5250	43 L3	
Koch (Flagstaff)	9.8 NE;hwy S	6587	60 S1	Ltd 80 oct.Hills SW
Saunders, Harry A. (St. Johns)	1.1 NNW,hwy S	5560	48 S2	80 oct.25' poles NE
Window Rock(NC)	0.8 SSW;rd N	6800	52	Bluffs ENE,NNE
(P) WINSLOW	2 SW;RR N	4937	75h R2 L5 S1	91 oct.

COLORADO

(P) Cortez	3.1 SW;hwy E	6000	50 S4	80 oct.
Dove Creek	0.6 E;creek W	7000	41 S1	80 oct. Pwr line SSW
(P) Durango	1.5 NE	6875	47 S6	80 oct.
Mancos (NC)	1.4 NNE;RR S	7500	30	
Montrose Mun.	1.3 S,RR NE	5800	33 S4	80 oct.
Starr Nelson(Delta)	4 E;road N	5200	40 S4	80 oct.
Montrose	1.5 NNW;hwy S	5780	58 S2	80,91 oct.
Nucla	2.3 SSW,riv S	5910	36	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC) Not charted. → NEW OR REVISED DATA.

NEW MEXICO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
★ Acomita Int,63, LA-AQ	7.8 W;hwy N	6575	41 R1 L3 S1	73,91 oct.in emerg.
Cubero (NC)	2.4 W;hwy S	6200	30	Pole line S. 11,000' mtns N.
★ El Morro Int,59B, LA-AQ	4.5 WSW;lake NW	7114	42 R1 L3 S1	Ltd 91 oct. Rough.
Farmington	1.4 NW on mesa	5455	65 S6	80, 91 oct.
Gallup	4 W;hwy;RR S	6460	37	Poleline SSW
Gallup City	2.6 WSW;RR N	6500	48 S4	80 oct Pole line WSW.
Indian Service (Shiprock) (NC)	1.8 SSW;riv N	5100	19	Pole line NW.
Aztec(NC)	2.2 NW on mesa	5700	28	Emerg only.

UTAH

★ → Hanksville Int,54, LA-DV	4 NE	4455	60 L3	Ngt landings on lgtd E/W strip only.
Monument Valley (Goulding Trading Post)(NC)	0.5 N;hwy E	5284	30	

RADIO — COLORADO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COLORADO SPRINGS (Peterson)	224 (CD)	MRLWZ, 166°, 3.9	
FOUNTAIN FM	(- - - -)	FM; 344°, 32.7	
LA JUNTA AAF	281(LH)(116.1)	SBMRLZ-VDT, 194°, 2.6	Pueblo (4);116.1
PETERSON FIELD(Colorado Springs	272 (126.18)	CA	(4);116.1,126.18
PUEBLO	302 (PU)(116.1)	SBRAZ-VDT;34°, 2	(4);116.1
TRINIDAD	329 (TD)(116.1)	SBMRAZ-VDT,170°,3	(4);116.1
NEW MEXICO			
ALBUQUERQUE (Kirtland)	230(AB)(116.1)	SBRAZ-VDT;354°,3.1	(3); 116.1
ANTON CHICO (Int)	219(AC)(116.1)	MHVT	(4); 116.1
CLOVIS (Army)	203 (DCV)	BMRAZ	(3)
Clovis AAF	396(126.18)	CA(ILS),34°,6.2	(3);126.18
Clovis AAF	526 (DCV)	HW-DT; 130°,1.6	
JUAN TOMAS FM	(- -)	FM; 71°, 18	Albuquerque
KIRTLAND FIELD (Albuquerque)	278(126.18,118.7)+	AC (ILS)	(4);126.18,118.7,131.9
LAS VEGAS	359(VH)(116.1)	SBMRAZ-VDT;80°,3.2	(4);116.1
MAXWELL FM	(- -)	FM, 170°, 54	Trinidad, Colo.
OTTO (Int.)	290(OT)(116.1)	BMRLZ-VDT;74°,0.2	(4); 116.1
PERALTA FM	(- - -)	FM, 174°, 11.6	Albuquerque
SANTA FE (New)	206(SJ)(116.1)	MHVT	(4); 116.1
SOCORRO	206(OS)(116.1)	MHVT	(4); 116.1
TUCUMCARI	212(YC)(116.1)	SBMRAZ-VDT;76°,2.2	(4); 116.1

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Clovis, N.Mex.	109.9		33° Mag.	IM- (.23)	MM- ····· (.86)	OM- -- (4.36)
					MMK-	OMK-
Kirtland, N.Mex.	110.3	335	349° Mag.	IM-	MM- ·-·- (.64)	OM- -- (4.32)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice; + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — COLORADO

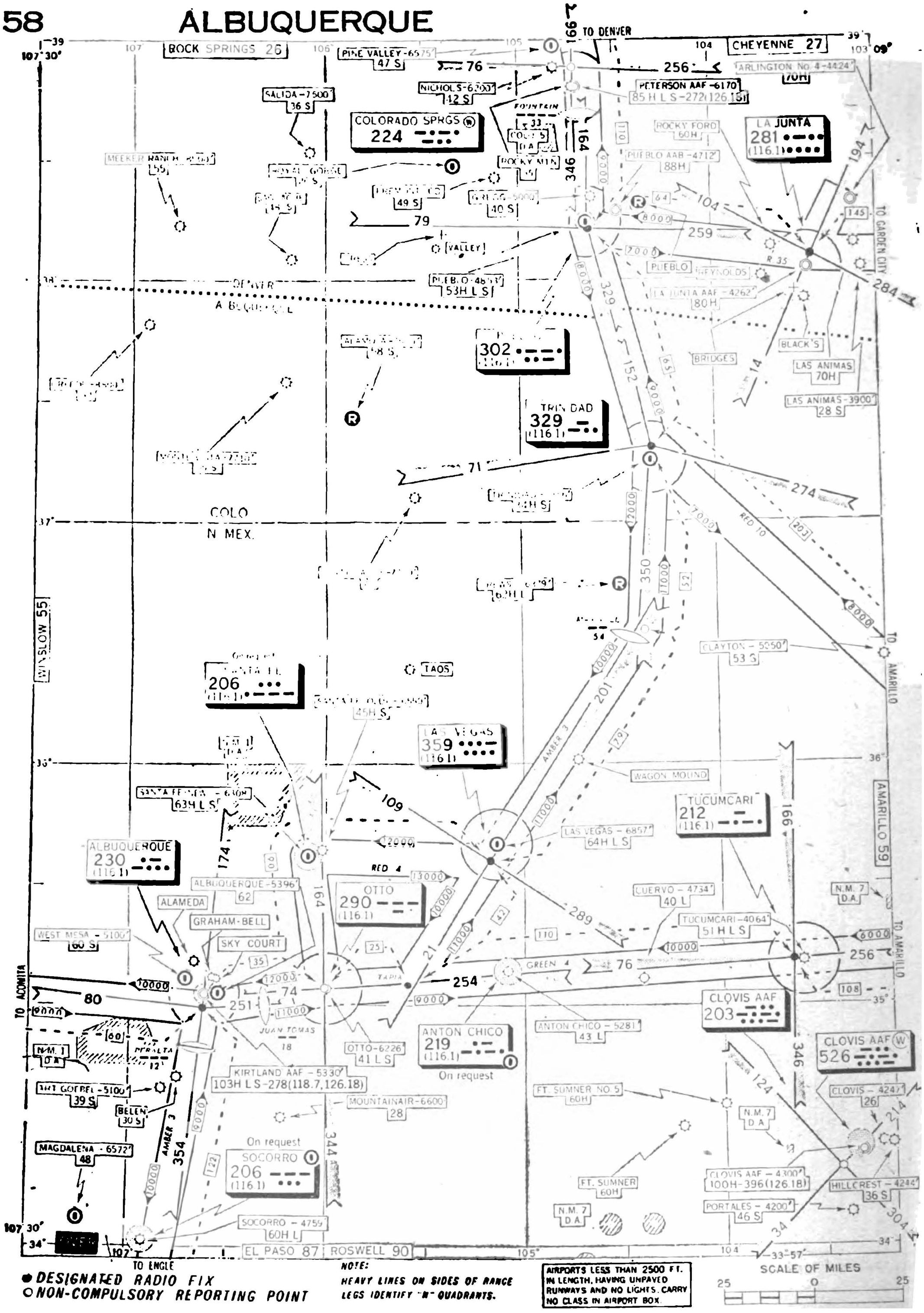
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamosa	2 S; hwy W	7550	58 L3 S4	80 oct. Fld lgts prior req.
(A) Arlington #4(La Junta)(A)	28 NNE	4424	70h	Arlington 3.3 WNW. CLOSED
Black's (La Junta)	4.8 S;riv 5 S	4250	21	
Costilla County(Mesita)	4 E; RR W	7750	75	
Creede	2 SSE;hwy NW	8800	50 S2	No fuel. Rough off strips.
Cress (Westcliffe)	6 W	8000	30 S1	80 oct. Pole line E.
Fremont Co. (Canon City)	6.9 E; riv S	5350	49 S2	80 oct. Rnwy data unver.
Gregg (Pueblo)	6 N;RR,hwy E	5000	40 S1	80 oct.
(A) La Junta AAF (A)	4.4 NNE;rd W	4262	80h R1	TMP INACT NO FACS(See Spl Not.)
→ La Junta Bridges (La Junta)	3 SW; hwy E	4140	30 S1	80 oct. Data not verified.
Las Animas	1.4 S; RR N	3900	28 S4	80 oct. Poles W.
Las Animas (La Junta)	19 NE	4119	70h	Las Animas 5.9 SSE.
Meeker Ranch (Gunnison)	23 SSE;riv E	8500	55	
Monte Vista	3.5 W; RR N	7710	55 S4	80 oct.
Nichols (Colorado Spgs)	2.8 NNR;hwy W	6200	42 S6	80,91 oct. Pole line SE,NE,N.
Ordway (NC)	0.9 S; RR N	4300	40	NOT MAINTAINED.
(A) PETERSON (Colorado Spgs)	6.3 E; hwy N	6170	85h R2 L5 S6	73,91,100 oct. No sto. (A)
Pine Valley(ColoradoSpgs)	9.2 N;;hwy E	6575	47 S6	80,91 oct. Poles E,W,NNW.
(P) PUEBLO	2.1 SW	4853	53h R1 L5 S6	80,91 oct.
(A) Pueblo AAB (A)	7 NE; RR S	4712	88h	TMP INACT NO FACS(See Spl Not.)
Reynolds (Rocky Ford)	3.5 SSW;hwy S	4250	21	Pole line NE
Rocky Ford (La Junta)	13.8 NW	4367	60h	Rocky Ford 6 S.
Rock Mtn.(Colorado Spgs)	6 ESE	6100	35 S2	No fuel.
Royal Gorge(Canon City)	6.4 NW; hwy N	6320	26 S2	80,91 oct. Pole lines N.
(P) Saguache	2 W; hwy NE	7700	48 S1	80 oct.
Salida	4 W; RR S	7500	36 S2	80 oct.
Trinidad	10.5 ENE;hwy E	5766	34h R1 L1 S2	80 oct. Use rnwys only.
Valley (Silver Cliff)	0.7 ESE;hwy W	8000	40	

NEW MEXICO

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Alameda (Albuquerque)	7.4 N; RR E	5400	37	
Albuquerque	6.3 ESE;hwy N	5429	62	RFC surplus acft fld.
★ Anton Chico Int,78A,LA-AQ	4.5 SE; hwy E	5281	43 R1 L3	
Art Goebel (Belen)	3.2 W; RR E	5100	39 S1	Ltd 73 oct.
Belen Air Strip	2.7 N; RR E	5000	30 S1	73 oct.
Clayton	1.5 E; RR S	5050	53 S2	73 oct.
Clovis	0.8 NW;RR S	4247	26	
A) Clovis AAF (A)	6.5 W; RR N	4300	100hR3	CLOSED.
P) Crews,42,EO-PU (Raton)	11.5 SSW;hwy W	6379	62h L2	
★ Cuervo Int,81B,LA-AQ	5 N	4734	40 L3	Poles W, lgtd.
Cutter-Carr #2 (Albuquerque)	3.6 NE; RR W	5120	46	Pole line ENE. (NC)
Eagle Nest Lndg Strip(NC)	1 NE	8450	40	11,000' mts NE.Use in emergency.
Ft. Sumner	1.5 NNE;RR S	4166	60h	
" " #5	16 ENE	4830	60h	
Graham-Bell(Albuquerque)	4.5 ENE	5400	27 S6	73,91 oct.
Hillcrest (Clovis)	2.1 E; RR S	4244	36 S4	73 oct. No sto.Pole line S.
Holbrook's (Cuervo)(NC)	0.8 NE; RR S	4810	19	300' mt. SE
A) KIRTLAND (Albuquerque)(A)	3.8 SSE; rd N	5330	103hR3 L6 S6	73,91,100 oct. JP-1. No sto.
LAS VEGAS	6 NE; RR W	6857	64h R1 L5 S6	80,91 oct.
Magdalena	0.8 N; RR S	6572	48 S1	Ltd 73 oct. Pole line SW.
Maxwell (NC)	1.7 N; hwy E	6000	36	
Mountainair	1.1 NNE;RR S	6600	28	Pole line N.
★ Otto Int,74,LA-AQ	5.8 N Moriarty	6226	41 R1 L3 S1	Ltd 80,91 oct.
Portales	4.5 SW;RR NNW	4200	46 S1	73 oct.
Roy (NC)	1.5 N; RR W	5900	26	PRIVATE
SANTE FE (new)	9.8 WSW;hwy SE	6308	63h R1 L5 S1	91 oct airlines. Poles E.
" (old)	6.3 SW;hwy E	6550	45h S6	73,80 oct;91 oct in emerg.
Sky Court (Albuquerque)	5.6 ENE;hwy S	5400	30 S6	73 oct. No sto.
Socorro	2.5 S; hwy E	4759	60h R1 L5	Use rnwys only.
Taos	1.7 SSW;hwy W	6956	29	Poles ENE,WSW,WNW.
Tucumcari	7 E;hwy,RR S	4064	51h R1 L5 S6	80,91,100 oct.
Wagon Mound	0.6 WNW;RR E	6500	21	Fence N; mts SE, W.
West Mesa (Albuquerque)	3.8 W; hwy S	5100	60 S6	73,80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

58 ALBUQUERQUE

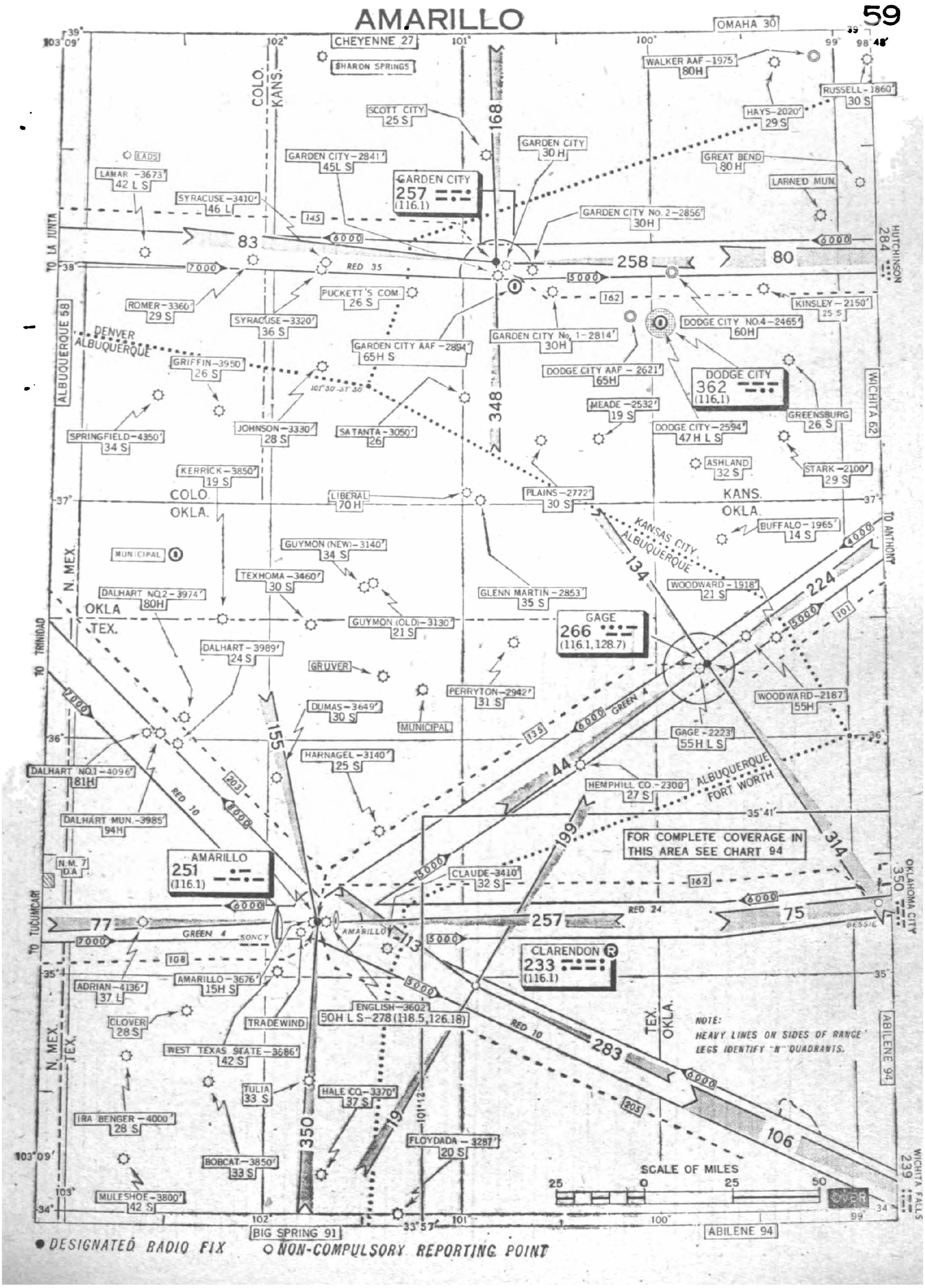


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

AMARILLO



● DESIGNATED RADIO FIX ○ NON-COMPULSORY REPORTING POINT

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DODGE CITY	362 (OD)(116.1)	MHVT	(4) :116.1
GARDEN CITY	257 (GK)(116.1)	SBRAZ-VDT ;168°,3.75	(4):116.1
→ Garden City AAF			DECOMMISSIONED

OKLAHOMA

GAGE	**266 (VM)(116.1)**	**SBRAZ-VDT,224°,2.1**	**(4):** 116.1

TEXAS

AMARILLO	**251 (AQ)(116.1)**	**SBRAZ-VDT,77°,2 to English Fld**	**(3):** 116.1
AMARILLO LFM	**(-)**	**LFM, 77°, 4.9**	**Amarillo**
CLARENDON	**233 (CP)(116.1)**	**BMRL-VDT, 199°,2**	**(4),** 116.1
ENGLISH FIELD (Amarillo)	**278 (118.6) (126.18)**	**AC (ILS)**	**(4):**126.18,118.5,131.9
SONCY FM	**(- - -)**	**FM, 257°, 11.5**	**Amarillo**

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs., Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
ENGLISH, TEX.	110.3	335	209° Mag.	IM		MM ·--- (.62)	OM — — (4.35)
				MHR			CHR

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

COLORADO

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Griffin (Walsh)	0.7 N,RR S	3950	26 S6	80 oct. Poles S.
(P) Lamar,10,PU-WD	3.7 WSW,RR N	3673	42 L3 S2	80 oct
Romer (Holly)	1.5 SSE,riv N	3360	29 S1	Ltd 80 oct. Pole line SW, NW.
(P) Springfield, Com.	3.8 N,hwy W	4350	34 S1	73 oct. Poles NW, W, SW.
(P) Trading Post (Kit Carson) (NC)	0.8 NW,crk E	4290	40	PRIVATE. Pole line S.

KANSAS

Ashland	1 E, RR S	1940	32 S2	80 oct. Poles S, E.
DODGE CITY	3.5 ENE,RR SE	2594	47h R1 L3 S6	80,91 oct. Fld lgts prior req.
(A) Dodge City AAF (A)	6 NW, RR S	2621	65h	CLOSED
→ Dodge City No. 4	17.4 NNE	2465	60h	CLOSED
GARDEN CITY MUN.	3.3 E,riv S	2841	45 R1 L3 S6	73,80 oct. Lgts prior req.
→(A) Garden City AAF (A)	9 ESE,riv S	2894	65h S1	73, 100 oct.
→(A) Garden City No. 1 (A)	19.5 ESE	2814	30h	CLOSED
→(A) Garden City No. 2 (A)	13.4 E	2856	30h	CLOSED
→(A) Garden City No. 3 (A)	6 ENE	2917	30h	CLOSED
Glenn Martin(Liberal)	2 ESE,hwy SW	2853	35 S2	80 oct. Pole line SE,SW.
→(A) Great Bend AAF (A)	4.5 WSW	1891	80h	CLOSED
Greensburg	1 ESE,RR N	2230	26 S1	80 oct. Poles N.
Hays	1.5 E,RR S	2020	29 L S6	80, 91 oct. Port rnwy lgts.
Johnson	0.5 N,hwy W	3330	28 S6	80 oct. Pole line N,NW,NE,S.
Kinsley	1.5 SSE,riv SE	2150	25 S1	80 oct. Pole line W.
→(A) Liberal AAF (A)	1.5 WNW	2888	70h	CLOSED
Meade	3 ESE,hwy N	2532	19 S2	80 oct.Use strips only.Pole line N.

b-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111)(NC)-Not charted. → NEW OR REVISED DATA

KANSAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Plains	1.3 NNE,hwy N	2772	20 S2	80 oct. Pole line S, E.
Pucketts Com.(Lakin)	3.5 S,riv N,NW	3050	26 S1	Ltd 80 oct. Trees N.
Russell	2.7 ESE,RR NE	1860	30 S4	80 oct.No sto. Poles N,S,NE.
Satanta	1 N,RR S	3050	26 S2	No fuel.
Scott City	1.3 ESE,hwy N	2980	25 S1	73 oct. Pole line N,NE,NW,SW.
Sharon Springs	1.2 NNW,RR S	3500	32 S1	80 oct. Pole line E.
Stark (Coldwater)	0.7 NE,RR SE	2100	29 S2	80 oct. Poles N,S,E,SE,NE.
Syracuse	1 N,riv S	3320	36 S2	80 oct. Pole line S,SE.
★ Syracuse Int,16,PU-WD	3.7 NNE,hwy W	3410	46 L3	
(A) Walker AAF (Hays)(A)	12.5 E,hwy S	1975	80h	CLOSED
Larned Mun.	1.6 NNE,RR SE	2012	33 S6	80,91 oct.

OKLAHOMA

Buffalo	0.6 NW,crk N	1965	14 S2	80 oct.
(P) Gage	1.8 SW,riv N	2223	55h R1 L5 S1	80 oct.
(P) Guymon (new)	3 SW,hwy N	3140	34 S6	73, 80 oct. Pole lines N, E.
Guymon (old)	0.7 S,RR,hwy W	3130	21 S6	73 oct. Pwr line N, S. No sto.
Municipal (Boise City)	3 N,hwy W	4200	33	
(A) Woodward AAF (A)	7.5 W,hwy S,E	2187	55h	CLOSED
→ Woodward (mun.)	1.5 SE,hwy W	1918	21 L1 S6	80 oct.

TEXAS

★ Adrian Int,92B,LA-AQ	4.2 SSE,RR N	4136	37 L3	
Amarillo	6 ENE,RR NW	3676	15h S6	73 oct. Pole line N,S.
Bobcat (Dimmitt)	1.5 E,RR W	3850	33 S2	73 oct.
Claude	1.2 WNW,RR N	3410	32 S1	73 oct. Pole line S,N,NW.
Clover (Hereford)	2.2 NNE,hwy S	3800	28 S2	73 oct. Pole line N,E,SE.
Dalhart	6.2 SSE,RR E	3980	24 S6	73 oct.
Dalhart mun.	3.8 SSW;RR N	3989	94h	
Dalhart No. 1	9.7 WSW;RR,hwy E	4096	81h L	
Dalhart No. 2	5.5 NE,hwy NW	3974	80h	
(P) Dumas	0.7 S,hwy W	3649	30 L S2	73 oct. Poles N. INACT:CIVIL FACS
(A) English (Amarillo)	9 ENE,RR N	3602	50h R3 L6 S6	100 oct. Poleline N,NW. ARMY TMP
→ Floydada	1.2 NNW,RR N	3287	20 S1	80 oct. Pole line S. RR SW.
(P) Hale Co. (Plainview)	1.6 S,hwy E	3370	37 S6	80,91 oct.
Harnagel (Borger)	2.5 SSW,RR N	3140	25 S2	80 oct. Use strips. RR E.
Hemphill Co.(Canadian)	1.5 SW, riv N	2300	27 S2	Ltd 73 oct.
Ira Benger (Friona)	1.8 NE,RR S	4000	28 S2	73 oct.
Kerrick	1.5 N, RR SW	3850	19 S1	80 oct. Pole line SW.
Muleshoe	1 ENE,hwy N	3800	42 S1	73 oct.
Municipal (Spearman)	0.8 NW,RR SE	3104	30	Pole line.
(P) Perryton	3 ENE,hwy N	2942	31 S2	73 oct. Pole line E.
Texhoma	1 SSW,RR N	3460	30 S2	73,91 oct.Pole line N.
(P) Tulia	1.5 NNW,RR W	3500	33 S1	73 oct. Pole line NE,E,SE.
West Texas State (Canyon)	3 N,hwy E	3686	42 S6	73 oct. 20' Poles SE.
Tradewind (Amarillo)	1.5 SE	3636	30 S6	Data not verified. (Texas)
Gruver,Tex.	0.7WNW,RR E	3200	40 S1	80 oct.P-line W,E,SE,SW.
→ Eads (Colo.)	1.3 WSW;RR N	4210	46 S6	80 oct. No sto. Poles NE.

RADIO — KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS: GUARDED, HRS. OF OPER., REMARKS
ANTHONY	382 (AY)(116.2)	MHWT	(4);116.1
CASSODAY (Int.)	239 (CY)	MHT	(4)
HUTCHINSON	284 (HN)(116.1)	[illegible]-VOR;350° 5.1	(4);116.1
KECHI FM	(- - - -)	FM, 341°,10.6	Wichita
OXFORD FM	(- -)	FM; 167°, 27	Wichita
SALINA	108.3 (NS)	VARN	
SMOKY HILL (Salina)(Army)	344 (DSN)	BMRL2-27	(4)
Smoky Hill AAF	396(116.1)(126.18)	CA(ILS);170°,5.0	(4); 116.1,126.18
TOWANDA FM	(-)	FM, 46°,18.8	Wichita
VIOLA FM	(- - -)	FM, 226°, 24.7	Wichita
WICHITA	332 (WD)(116.1)	CRBA-VOR	(3);116.1
Wichita Airport	275(126.18)(118.5)	AC(ILS);167°, 1.0	(4);121.2,126.18,118.5

OKLAHOMA

ENID(Army)	269 (END)	BMRL2	(3); 126.18
Enid AAF	396 (126.18)	CA; 214°,3.7	(3); 126.18
PHILLIPS ARPT(Bartlesville)	278	CI	3105 (On req)
PONCA CITY	368(PC)(116.1)	MHVT	(4); 116.1
RED FORK FM	(- - -)	FM, 322°,13.7	Tulsa
SKIATOOK FM	(- - -)	FM, 298°,17.8	Tulsa
TULSA AIRPORT	278(126.18)(118.6)	AC	(4);121.2,126.18,118.6,[illegible]

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Z mbass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. COURSE	MARKER IDENT & MILEAGE		PLUS MBASS LOCATOR	
SMOKY HILL AAF, KANSAS	109.9	333.8	173° Mag.	IM (.19)	MM ·····(.89)	OM	-- (4.20)
					MMK	OMK	
→ WICHITA, KANS.	110.3	335	2° Mag.	IM ·····(.05)	MM	OM	-- (5.37)
					MMK	OMK	

S-Simul. Range and Voice; W-Without Voice. Z VHF Range Station Locator Marker (.19, 3105, 4405 + 10 kcs, (.89 3105 4405 6.10, 3117.7 kcs
Parenthetical Numbers in Frequency Column indicate VHF Voice. ¤ - Army A.C.S. transmits on and guards Ch 1, 127.84, 140.58 mcs

AIRPORTS — KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abilene	1.7 WSW; RR N	1100	29 S6	80 oct. Trees E;pole line SE.
(P) Anthony,24,AQ-KC	3 WNW; hwy S	1339	48 R1 L3 S6	73,91 oct.
Arkansas City	3.5 S; RR W	1067	25 S6	73, 91 oct.
Arther Airfield (Wichita)	3 SW; RR N	1290	26 L S6	73,91 oct.No sto.Portlgts.
Baird (Arkansas City)	4 W; hwy S	1100	17 S2	73 oct.Poleline S,SW.Poles S
Beech (Wichita)	6 E; hwy N	1378	46h	Factory use only.
Caldwell	1.2 E; RR W	1140	21 S2	73 oct. Poles E, S
Cannon Ball (Wichita)	6.5 WSW;hwy N	1300	24 S6	80 oct. No sto.Pole line N.
★ Cassoday Int,34,AQ-KC	1 SSE; hwy W	1460	32 R1 L3	Turs S.
Cessna Aircraft (Wichita)	4.5 SE; hwy W	1369	53 S1	80 oct.
Clothier (Cedar Point)	4 SSW;creek E	1320	20 S2	73 oct.
Culver (Wichita)	4 N; hwy W	1320	15h	
Derby	1 NNE; RR W	1305	24 S1	73 oct. Poles N.
El Dorado	3.6 SE; hwy W	1400	25 S6	80 oct. Soft, wet weather.
Ellinwood	1.5 NW, RR S	1790	26 S1	73 oct. Poles N.
Emporia	5.4 S; hwy E	1200	26 S6	80 oct. Poles E,SE,NE.
Eureka	3.2 E; RR N	1120	21	Pole line S.
Frazier (El Dorado)	2.5 S; riv W	1320	25 S6	80 oct. Poles E, NE.
Giffin-Orton (Hoisington)	1.3 NE; hwy S	1870	25 S2	80 oct. Poles S.
Great Bend Airpark	1.6 NNE; RR W	1850	36 S2	80 oct. Poles W.
Herington	1.5 SE; RR W	1450	17 S2	73 oct. Pole line N.
← Herington (AAF)	7.5 ENE	1485	60h	CLOSED
Hilltop (Augusta)	2 NE; RR SE	1260	20 S1	73 oct.
Holyrood	0.5 ESE; RR N	1820	17 S1	73 oct. Poles N.
Hutchinson,com	5.5 W; riv NE	1605	20 S4	80 oct.
(P) HUTCHINSON,MUN.	4 ENE; hwy S	1542	70h R1 L5 S6	80,91 oct.
(N) " NAS (N)	8.9 S;RR NNE	1582	70h	INACTIVE.
Ken-Mar (Wichita)	3 ENE; RR N	1375	23 L S6	80 oct.No sto.Port rnwy lgts.
Kingman	1.5 NNW;RR SW	1600	26 S1	73 oct.Trees S,SW. Obsts
Kiowa Flying Serv.(Kiowa)	2.5 WNW; RR S	1375	19 S1	80 oct. Pole line NNW,SSW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page (III)(NC)-Not charted. → NEW OR REVISED DATA

AIRPORTS — KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lyons	1.4 W; hwy N	1955	26 S6	80 oct. Pole line N.
McPherson	4 NNE; RR W	1500	26 S6	80 oct. Soft when wet.Poles E.
(P) Marion	1.8 ESE;RR W	1370	36 S2	80 oct, Pole line SE.
Medicine Lodge	2.1 SE; RR S	1420	33 S2	80 oct.
Moundridge	2.2 WNW; RR NE	1455	17 S2	Ltd 80 oct. Poles W.
Newton	4 ENE; RR S	1500	36h S6	80,91 oct.Pole line W,N.
Pratt Mun.	2.5 ENE;hwy S	1,910	31 S6	73,80 oct.
Pratt	4 N; hwy E	1905		
Rawdon (Wichita)	6.7 E; hwy S	1350	26 L S6	73 oct, Port rnwy lgts.
Riverside (Wichita)	4 NNW; riv E	1330	24 S1	80 oct. Poles sur fld.
Salina	3.5 SE;riv W	1070	24 S6	73,91 oct.
Sky Village (Salina)	7.7 WNW;RR SE	1300	L	80 oct.Port rnwy lgts.Pole line
Smoky Hill AAF(Salina)	4.5 SW; RR E	1,[illegible]	L S4	[illegible],91,180 oct. No sto. (A) S.
South (Winfield)	14 SSW	1350	h	
Stafford	2.6 WSW;RR N	1870	26 S2	80,91 oct. Poles N, S.
Strickland (Hazelton)	2.4 E; RR S	1310	26 S6	73,80 oct. Poles E, N.
(P) Strother (Winfield)	5 SSW;hwy S	1150	36h	
University (Wichita)	5 NE; RR N	1320	27 L S6	80,91 oct.Port rnwy lgts.Pole
Walters (Sedan)	6 N; hwy W	1[illegible]		PRIVATE. line E.
Wellington	3.5 N; RR W	1290	24 S2	80 oct. Pole line W,E,S.
(A) WICHITA	5.3 SE; hwy W	1333	[illegible] S6	[illegible],91,180 oct.50' pole N.
Wilson (Wichita)	7.5 NE,RR N	1410	24 S2	73 oct. No sto.
Winfield	2 E, RR S	1130	24 S1	73 oct.Lgt acft only.Pwr lineN.
Wright Arpt (Abilene)	1 SSE; riv S	1150	24 S1	80 oct. Trees S, E.
[illegible] (Wichita) (McPherson)	1.4 [illegible] hwy N	1[illegible]		Pwr line at poles E

OKLAHOMA

Alva	1.4 S; RR N	1300	26 S1	73 oct.
Bartlesville	4 E; rd S	720	34 S6	80 oct.
Blackwell	1.7 W; RR N	1020	30 L4 S6	80 oct.
Brown (Tulsa)	6 SE	735	31 L S6	[illegible],91 oct.Port rnwy lgts.Pole NW
Central (Edmond)	2.6 NNE;RR W	1211	24 S1	73 oct.
Commercial (Tulsa)	5.4 SSE;hwy N	700	32 S6	73,80,91 oct. Trees SW.
(P) Cushing	2 S; RR E	912	50h L5 S6	73,80 oct,
(A) Enid AAF (A)	4 SSW; RR E	1307	50h R2 L5 S4	73,180 oct,
(A) Great Salt Plains (Jct)	6 NNE;cam 1 N	1200	50h L5	(A)
★ Guthrie Int,31,RV-WD	2 SSE;hwy W	1050	26 L3 S6	80 oct.
Jimmie Ray (Cherokee)	1.5 E; RR SW	1300	26 S1	80 oct. Trees S.
Kell-Air (Thomas)	1.2 SW; RR N	1730	24 S2	80 oct.
Kingfisher	1.3 NW; RR W	1060	24 S6	73 oct.
Kittenbrink (Jefferson)	2 E; RR W	1100	23 S2	80 oct. Trees N.
Newkirk Skypark	2.9 SE; RR SW	1140	32	Pole N, NW.
North (Enid)	3.8 N; RR E	1265	26 S6	80 oct.
Pawhuska	3.8 W; RR E	1000	27 L S1	80 oct.Port rnwy lgts. Pole
(A) Perry (A)	6.6 N; hwy W	1008	52h	CLOSED line NE.
Phillips (Bartlesville)	1.7 WNW;hwy S	750	35h R1 L4 S2	80,91 oct.
(P) PONCA CITY	2.3 NNW;RR S,E	993	36h R1 L4 S6	73,80 oct. Antenna bet twr and
Sapulpa	1.5 ENE;RR W	710	16	Pole line S. nangar, lgtd.
(P) Stillwater #1	3.2 NNW;hwy E	985	50h L3	
" #2	5.6 SSE,hwy W	980	39 S6	73,80 oct.
★ Stroud Int,29A,AQ-LS	3 N; hwy W	885	27 L3	Pole line W lgtd.
Tonkawa	1.6 S;riv NW	1000	25 S1	73 oct. Pole line S, E.
(A,N)TULSA AIRPORT	6.2 NE;RR S	674	71h R2 L4 S6	73-100 oct, NATS,NAPC.
Tulsa North (Tulsa)	4.5 NNW;RR E	700	25 S2	80,87 oct.Poles S,SW,SE.
University (Langston)	1 S; rd N	1025	26	Bldg SE corner.
Watonga	1.2 NW;riv SW	1400	16 S6	80 oct. Poles S.
White Brothers (Lamont)	2 WSW; RR E	1000	25 S1	73 oct.
(P) Woodring (Enid)	5 ESE; RR NW	1150	65h L S2	80 oct. Port rnwy lgts prior req.
Mauks (Blackwell,Okla)	2.7 S; hwy W	937	26 S4	80 oct. Pole line E.

62 WICHITA

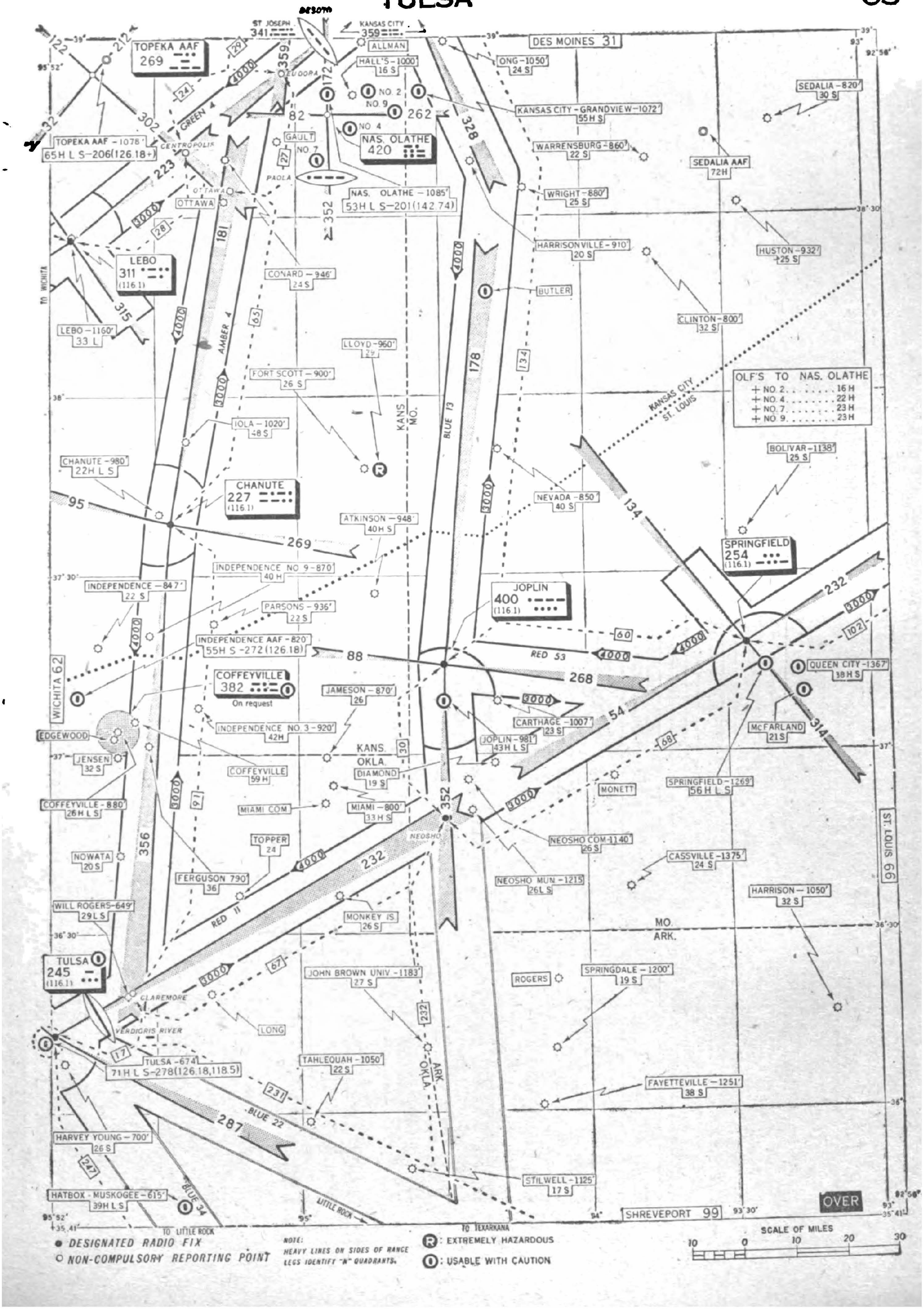
Ⓡ : EXTREMELY HAZARDOUS Ⓞ : USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

SMOKY HILL AAF 344
SMOKY HILL AAF 396·126·18, 116·1
SALINA (VHF) 108.3 W R
HERINGTON AAF
HERINGTON
HOLYROOD
GIFFIN ORTON
ELLINWOOD
GREAT BEND ARPK
LYONS
JANSSEN
MARION
HUTCHINSON 284 116·1
MOUNDRIDGE
CLOTHIER
EMPORIA
HUTCHINSON COM
HUTCHINSON M. S.
NEWTON
CASSODAY 239 On request
STAFFORD
NAS. HUTCHINSON
EUREKA
CHANUTE 227
PRATT
PRATT MUN
CULVER
RIVERSIDE
UNIVERSITY
CANNON BALL
ARTHER
BEECH
CESSNA ACRFT.
EL DORADO
FRASIER
HILLTOP
RAWDON
WICHITA 278 ·118·7 126·18·
DERBY
WICHITA 332 116·1
MEDICINE LODGE
WELLINGTON
OXFORD 27
WINFIELD
WALTERS
STRICKLAND
ANTHONY
KIOWA
CALDWELL
STROTHER
BAIRD
SOUTH
ARKANSAS CITY
KANS.
OKLA.
PORTLAND
ANTHONY 382 116·1 On request
GAGE 266
ALVA
JIMMIE RAY
GREAT SALT PLAINS BOMBING RANGE AAF
KITTENBRINK
WHITE BROS.
BLACKWELL
NEWKIRK
MAUKS
TONKAWA
PONCA CITY
On request
PONCA CITY 368 116·1
PAWHUSKA
PHILLIPS 278
BARTLESVILLE
TULSA 278 ·118·5, 126·18·
SKIATOOK
TULSA NORTH
RED FORK 14
BROWN
COMMERCIAL
SAPULPA
ENID AAF R 209
ENID AAF 396·126·18·
NORTH
WOODRING
PERRY
STILLWATER NO. 1
STILLWATER NO. 2
CUSHING
UNIVERSITY
GUTHRIE
STROUD
KELL·AIR
WATONGA
KINGFISHER
KANSAS CITY FORT WORTH
ABILENE 90 | FORT WORTH 95
TO NEWALLA
OMAHA 30
TO KANSAS CITY
DENVER KANSAS CITY
AMARILLO 59
TULSA 63
GARDEN CITY 257
OKLAHOMA CITY 350
KANSAS CITY ST LOUIS
SALINA
ABILENE
WRIGHT
SKY VILLAGE
RED 1
RED 35
AARON
BLUE YELLOW
D A
STATUTE MILES

TULSA


DES MOINES 31
ONG – 1050'
24 S
KANSAS CITY – GRANDVIEW – 1072'
55 H S
WARRENSBURG – 860'
22 S
WRIGHT – 880'
25 S
HARRISONVILLE – 910'
20 S
BUTLER
CLINTON – 800'
32 S
SEDALIA – 820'
30 S
SEDALIA AAF
72H
HUSTON – 932'
25 S
ST JOSEPH
341
KANSAS CITY
359
ALLMAN
HALL'S – 1000'
16 S
NO. 2
NO. 9
NO. 4
NO. 7
GAULT
EUDORA
PAOLA
NAS. OLATHE
420
NAS. OLATHE – 1085'
53H L S–201(142.74)
TOPEKA AAF
269
TOPEKA AAF – 1078'
65H L S–206(126.18+)
CENTROPOLIS
OTTAWA
LEBO
311
(116.1)
LEBO – 1160'
33 L
CONARD – 946'
24 S
LLOYD – 960'
29
FORT SCOTT – 900'
26 S
IOLA – 1020'
48 S
CHANUTE – 980'
22H L S
CHANUTE
227
(116.1)
ATKINSON – 948'
40H S
INDEPENDENCE NO 9 – 870'
40 H
INDEPENDENCE – 847'
22 S
PARSONS – 936'
22 S
INDEPENDENCE AAF – 820'
55H S –272(126.18)
COFFEYVILLE
382
On request
JAMESON – 870'
26
INDEPENDENCE NO. 3 – 920'
42H
EDGEWOOD
JENSEN
32 S
COFFEYVILLE – 880'
26H L S
COFFEYVILLE
59 H
NOWATA
20 S
FERGUSON 790'
36
WILL ROGERS – 649'
29 L S
TULSA
245
(116.1)
CLAREMORE
VERDIGRIS RIVER
LONG
JOHN BROWN UNIV. – 1183'
27 S
MONKEY IS.
26 S
TULSA – 674'
71H L S–278(126.18,118.5)
TAHLEQUAH – 1050'
22 S
HARVEY YOUNG – 700'
26 S
HATBOX – MUSKOGEE – 615'
39H L S
TO LITTLE ROCK
MIAMI COM
MIAMI – 800'
33 H S
TOPPER
24
DIAMOND
19 S
JOPLIN
400
(116.1)
JOPLIN – 981'
43H L S
CARTHAGE – 1007'
23 S
NEVADA – 850'
40 S
NEOSHO COM – 1140'
26 S
NEOSHO MUN – 1215'
26 L S
MONETT
SPRINGFIELD – 1269'
56 H L S
SPRINGFIELD
254
(116.1)
CASSVILLE – 1375'
24 S
QUEEN CITY – 1367'
38 H S
McFARLAND
21 S
HARRISON – 1050'
32 S
BOLIVAR – 1138'
25 S
OLF'S TO NAS. OLATHE
+ NO. 2 . . . . . 16 H
+ NO. 4 . . . . . 22 H
+ NO. 7 . . . . . 23 H
+ NO 9 . . . . . 23 H
ROGERS
SPRINGDALE – 1200'
19 S
FAYETTEVILLE – 1251'
38 S
STILWELL – 1125'
17 S
SHREVEPORT 99
TO TEXARKANA
KANS.
OKLA.
MO.
ARK.
ARK.
OKLA.
KANSAS CITY
ST. LOUIS
RED 53
RED 11
BLUE 22
BLUE 34
BLUE 13
ST. LOUIS 66
WICHITA 62
TO WICHITA
OVER
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "A" QUADRANTS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION

RADIO — KANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE	227(CZ)(116.1)	SBRAZ-VET, 324°, 2.5	(4);116.1
COFFEYVILLE	382 (KV	KMT	(4)
DE SOTO FM	(- - -)	FM; 224°, 19.6	Kansas City, Mo.
INDEPENDENCE AAF	272 (126.18)	CA	(3); 126.18 (8-20)
LEBO (Int)	211(ZK)(126.1)	BMRZ-ITV, 336°, 0	(4);116.1
OLATHE (Navy)	420 (NUU)	BMRLZ	
Olathe NAS	201 (142.74)	CR;352°, 2.9	(3); 142.74 (8-18)(GCA)
PAOLA FM (Navy)	(. - - -)	FM; 172°, 12	Olathe
TOPEKA (Army)	269 (DTO)	BMRAZ	(4)
Topeka AAF	206 (116.1) (126.18)	CA;320, 3.4	(3); 116.1,126.18
MISSOURI			
JOPLIN	400(JH)(116.1)	BMRLZ-VET, 172°, 6.2	(4); 116.1
SPRINGFIELD	294(SX)(116.1)	SBRAZ-VET, 1340, 4.3	(4); 116.1
OKLAHOMA			
TULSA	245(TS)(116.1)	SBRAZ-VOT	(3); 116.1
Tulsa Airport	278 (126.18) (118.5)	AC; 225°, 1	(4);1[illegible],126.1?
VERDIGRIS RIVER FM	(-)	FM;54°,9.6	Tulsa

S-Simul. Range and Voice; W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARKANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Berryville (NC)	1.3 WNW;RR E	1150	13	Trees S.Cattle on fld.
(P) Fayetteville	3.8 S;RR W	1251	38 S6	73 oct.
Harrison	4.1 NW;RR S	1050	32 S1	80 oct.
Rogers	2.7 N;RR S	1325	32 S1	80 oct.Pole line SE.
Springdale	0.8 SSE;hwy W	1200	19 S4	80 oct.Pole line NW,SE.
KANSAS				
(P) Atkinson (Pittsburg)	2.5 NW;RR W	948	40h L S6	80 oct. Port rnwy lgts.
Chanute	2 WSW;hwy NW	980	22h R1 L4 S6	80,91 oct.
(A) Coffeyville AAF (A)	5 NNE	743	59h	CLOSED Use rnwys only.
" mun.	2 NW;riv E	880	26h R1 L3 S6	80 oct. Poles NW;hi-line SW.
Conard (Ottawa)	3.8 NNE;RR S	946	24 S1	80 oct.Pole line N;hedge S.
Edgewood (Coffeyville)	2.5 WNW;RR E	745	25 S1	80 oct.Pole line E,S.
Fergusen Flying Field (Coffeyville)	5 E;RR NW	790	36	Poles S.
Fort Scott	4.5 SW;hwy S	900	28 S2	80 oct.
Gardner (NC)	1.4 WSW;hwy S	1070	39	
Gault (Wellsville)	0.8 ESE;RR N	1020	20 S1	80 oct.Trees E
Girard	1.7 WNW;RR E	950	14	Trees E.
Hall's (Olathe)	2.6 SSE;RR W	1000	16 S2	73 oct.Cattle on fld.Pole line N
Independence	5 N;hwy W	847	22 S4	73,91 oct.Pole line W.
(A) " AAF (A)	5.5 SW;hwy W	820	55h R1 S1	91,100 oct.
(A) " #3 (A)	24 ESE	920	42h	CLOSED
" #9	12.5 NE	870	40h	
(P) Iola	3.2 SSE;rd N	1020	48 S6	73,80 oct.
★ Lebo Int,39,AQ-KC	4 ENE;RR N	1160	33 R1 L3	
Lloyd (Ft. Scott)				ABANDONED.
Mader (Garnett)(NC)	2 WNW;hwy S	1060	26	
(N) Olathe NAS (N)	5.2 SW;RR W	1085	53h R2 L5 S6	100 oct.
(N) " OLP #2 (N)	5 SE	1090	16h	INACTIVE.4 W of Stanley.
(N) " OLP #4 (N)	10 S	1090	22h	1.3 SE of Springhill.INACTIVE.
(N) " OLP #7 (N)	16 SSW	940	23h	4.3 W of Hillsdale.INACTIVE.
(N) " OLP #9 (N)	11 SE	1070	23h	1 N of Stillwell.INACTIVE.
Ottawa	5.3 S;RR W	975	32	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA

KANSAS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Parsons	2 NW;RR S	936	22 S2	80 oct.Soft in wet weather.
(A) Topeka AAP (A)	6 S;RR W	1078	45h R2 L5 S6	73,91,100 Oct.JP-1. No sto.
Allman (Topeka)	2 NNW;hwy N	900	23 S1	91 oct. Hedge E.
Bredonia Mun.	3 NNE;RR E	850	24 S1	80 oct.
State Line Arpk(Stanley)	3.4 NE;RR E	1000	22 S1	80 oct. Poles E;trees N.W.
MISSOURI				
Bolivar	1.8 WSW,hwy N	1138	25 S2	80 oct.Poles N.
Branson (NC)	4 W;hwy W	1000	21	Trees SW.
Carthage	2 S;hwy E	1100	33 S2	80 oct.Port rnwy lgts.Poleline W.&W.
Cassville	3.0 S;hwy E	1375	24 S2	80 oct.Trees SW.
Clinton	2 NE;RR SE	860	32 S4	80 oct.Poles SW,S,E,N.
Diamond	2.1 S.W;RR S	1150	21 S2	80 oct Pole line N,NE,SE.
(P) Grandview (Kansas City)	14.4 S;RR E	1078	50h L5 S6	80,91 oct.Fld lgts prior req.
Harrisonville	3.1 W;RR N,S	910	20 S1	73 oct. Fld rough.
Huston (Windsor)	4.3 E;hwy N	840	26 S1	80 oct.
(P) JOPLIN	9 NNE;RR N	981	45h R1 L4 S4	80,91 oct.
McFarland (Springfield)	4 SSE;RR S	1410	21 S4	73,8 oct.
Neosho Mem.	4.8 NNW;hwy W	1140	26 S1	80 oct.Poles SW.
" mun.	2.8 SW;hwy E	1015	26 L3 S2	80 oct.Poles N,antenna E.
(P) Nevada	3 NE;hwy N	950	40 S4	73 oct.Pole line SW,E.
Ona (Kansas City)	9 SE;hwy NE	1050	34 S6	73,80 oct.Pole line N,W.
Queen City (Springfield)	3.1 E;hwy W	1310	28h L3 S4	73-91 oct.Lgts prior req.
Sedalia	6.3 NW,RR S	880	30 S6	80 oct.Poles S.
(A) " AAF (A) (Knobnoster)	2.8 S;hwy N	834	28h	[illegible] (P1 Not.)
Warrensburg	7.3 SSW;hwy E	860	22 S6	73 oct.
Wright (Garden City)	1.4 NNW hwy SW	880	25 S1	80 oct.Pole line S.
Butler	1.5 N		22 S2	80 oct. Data unverified.
Monett	0.5 NE; hwy S	1420	24 S1	73 oct.
(P) SPRINGFIELD	5.5 WNW; RR NE	1269	64h R1 L5 S6	80,91,100 oct. JP-1
OKLAHOMA				
Harvey Young (Tulsa)	8.8 E;hwy N	700	26 S2	73 oct.
Hattox (Muskogee)	2.7W;fork RRs	61	35h L3 S6	73,80 oct.All lgts prior req.
Jameson (Picher)	4.5 W	870	26	
Jensen (South Coffeyville)	0.6 W;RR S,E	740	32 S4	80 oct.Pole line SE.
John Brown Univ. (Mosley)	3.6 ESE;hwy S	1150	27 S4	80 oct.
Long (Pryor)	2 NNE;RR W	660	16 S2	80 oct.Pole line SW.
(P) Miami	2.2 NNW;RR E	800	33h L4 S2	80,91 oct.
Monkey Island (Afton)	7.8 SE;RR NW	750	26 S1	80 oct. Pole line W.
Nowata	1.6 NNE;RR W	600	22 S1	80 oct.
Stillwell	1.4 N;RR W	1125	17 S2	80 oct.
Tahlequah	4.3 N;rd E	1050	22 S4	80 oct.
Topper (Vinita)	3.9 SW;RR ESE	800	24	73 oct.
(A,N) TULSA AIRPORT	6.2 NE; RR S	674	71h R2 L5 S6	73-100 oct. NATS,NAPC.
Will Rogers,36, AQ-LS (Claremore)	1.5 NE; RR W	649	29 L3 S6	73 oct.

ST. LOUIS

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
WALNUT RIDGE	362 (DWR)	MRLWZ,174°,5	
MISSOURI			
COLUMBIA	379 (CA)	SBRAZ-DT,89°,3.9	(4)
NEW FLORENCE (Int.)	385 (ST)	MHT	(4)
ST. LOUIS(Lambert)	209 (LS)	SBRAZ-DTX,256° 2.2	(4)
ST. PETERS FM	(- - - -)	FM, 273°, 14.2	St. Louis
SPANISH LAKE FM	(- -)	FM, 69°, 7.8	St. Louis
VICHY	344(OM)(116.1)	BMRLZ-VDT,310°, 2.7	(4), 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

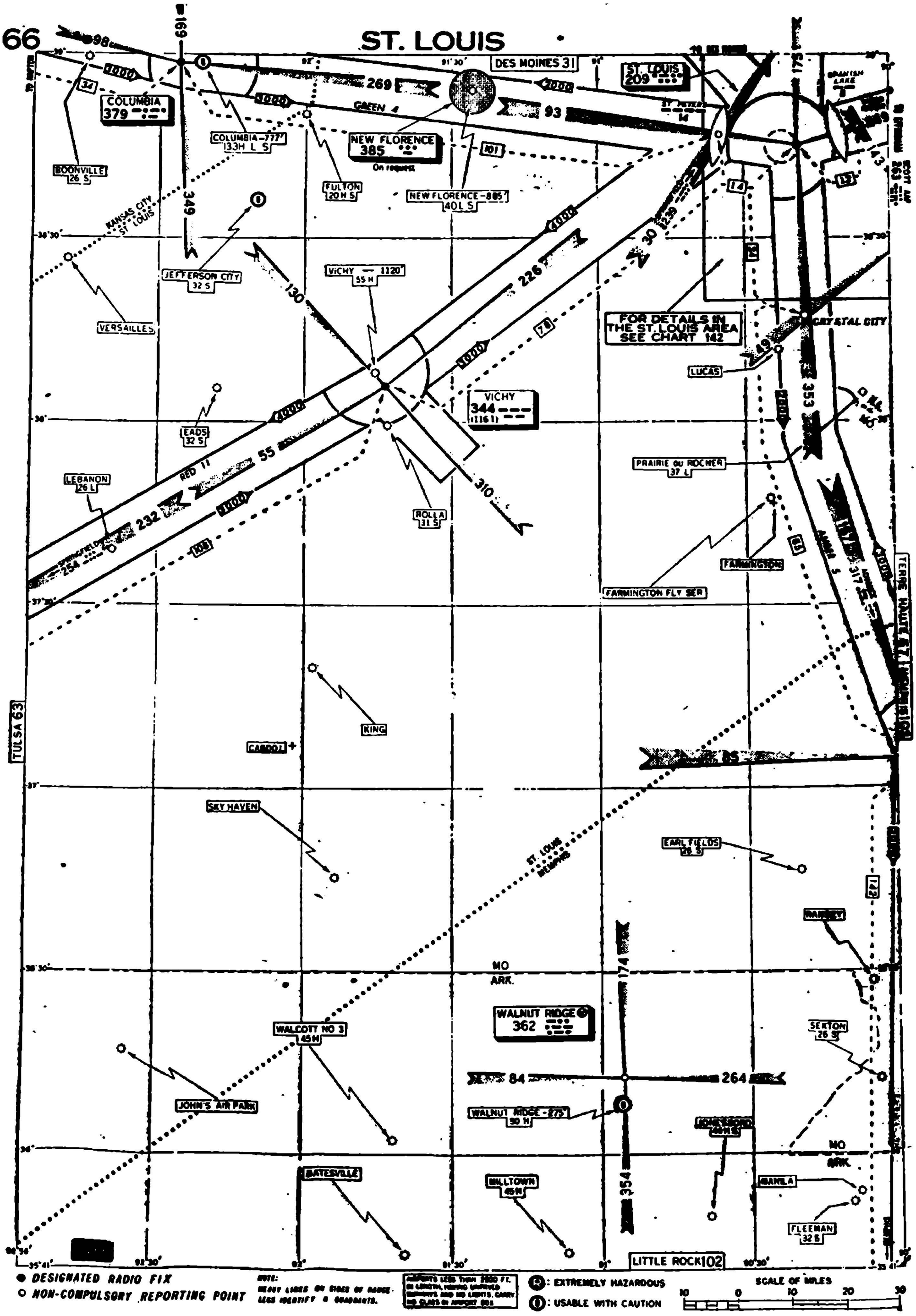
AIRPORT - CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Batesville(Desha)	1 SE, hwy E	400	20 S1	73 oct.Pole line NE.
Biggers (NC)	2 ESE,RR NW	290	45	
Fleeman(Manila)	0.8 S,RR N	240	32 S2	80 oct.Po line N,NE.
John's Air Park (Flippin)	0.3 NNW,RR S	620	11 S1	80 oct.Trees N.
(P) Jonesboro	3.5 ESE;RR N,SW	264	44h S6	80,91 oct.Use rnwys
(A) Manila (Blytheville)(A)	13.5 W,lake E	240	75	CLOSED
Milltown(Newport)	13 NE	244	45h	
Walcott #3 (Walnut Ridge)	14 ESE	285	45h	1.5 W of Walcott
Walnut Ridge	4 NE,RR SE	275	50h	

ILLINOIS

* Prairie du Rocher Int,55, NO-LS	0.5 S,RR NE	390	37 L3	Trees S, N.

MISSOURI

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Boonville	1.5 NNW,riv S	602	16 S4	80 oct.Obsts sur flu.
Columbia	2.4 NW,hwy S	777	33h R1 L3 S5	80, 91 oct.
Eads (Iberia)	1.1 W, hwy NE	960	32 S2	80, 91 oct.
Farmington	1 ESE,hwy N,E		35 S6	80 oct.Data not verif.
Farmington Flying Service	0.8 NNE,hwy S	920	17 S4	73 oct.Poles NW.
Fields (Poplar Bluff)	3.8 ENE,hwy S	325	26 S2	73 oct.Pwr line S.
Fulton	3 WSW,hwy SE	875	20h S2	80 oct.
Jefferson City	2 N, hwy S	550	32 S6	80 oct. No sto.
Kennett (NC)	1.3 E,RR W	260	26	30' poles N.
King (Houston)	0.8 WNW,hwy ESE	1180	15 S1	80 oct. Poles S
* Lebanon Int,54B, AQ-LS	2.5 SSE,hwy E	1380	26 L3	
Lucas (Festus)	1.7 S,RR W	425	16 S2	73 oct.
Mel Adkins (Gravois Mills)(NC)	4.2 SSE,hwy W	950	19	
* New Florence Int, 17, KC-LS	1 SSE,hwy N	885	40 R1 L3 S1	80 oct.
Ramsey (Campbell)	1.6 SW,RR NW	295	14 S2	Ltd 73 oct.Trees NNE
Rolla	3.5 NE,rd S	1201	31 L S6	80,91 oct.Port rnwy lgts.
Sexton (Kennett)	2.8 SW,hwy E	263	26 S2	80 oct.
Sky Haven (West Plains)	2.4 NW;RR E	1049	22	
Versailles	1.7 ENE,RR N	1050	20 S2	80 oct.Pwrline N,NE, NW.
(A) Vichy AAF (A)	1.5 NNW,hwy SW	1120	55h R1	CLOSED
Cabool (Mo.)	0.8 SW		18 S1	80 oct. Data unver.


ST. LOUIS
DES MOINES 31
ST. LOUIS 209
COLUMBIA 379
COLUMBIA—777' 133H L S
NEW FLORENCE 385
On request
NEW FLORENCE—885' 40L S
FULTON 20H S
BOONVILLE 26 S
JEFFERSON CITY 32 S
VERSAILLES
VICHY — 1120' 55 H
VICHY 344 (1161)
EADS 32 S
LEBANON 26 L
ROLLA 31 S
FOR DETAILS IN THE ST. LOUIS AREA SEE CHART 142
LUCAS
PRAIRIE DU ROCHER 37 L
FARMINGTON
FARMINGTON FLY SER
CRYSTAL CITY
KING
CABOOL
SKY HAVEN
WALCOTT NO 3 45H
JOHN'S AIR PARK
BATESVILLE
WALNUT RIDGE 362
WALNUT RIDGE - 275' 30 H
EARL FIELDS 26 S
SEXTON 26 S
MANILA
FLEEMAN 32 S
LITTLE ROCK 102
MO
ARK.
ST. LOUIS MEMPHIS
TULSA 63
169
349
354
171
142
63
55
49
30
226
232
254
264
84
93
269
310
130
78
44
40
35
1000
1200
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3800
3900
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5000
5100
5200

TERRE HAUTE 67

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS

Ⓓ : USABLE WITH CAUTION

HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY N QUADRANTS

STATUTE MILES 10 20 30

TO JOLIET

CHICAGO 34

PEORIA

MORTON

PEKIN

BLOOMINGTON

RUSSELL'S

CHANUTE AAF 365

CHANUTE AAF 396 (126.18)

CHICAGO CINCINNATI

ATTICA

LAFAYETTE

CORK

MEDBERY

CLINTON

ILLINI

CHAMPAIGN

DANVILLE

VERMILION

HIGHLAND

UNIV OF ILLINOIS

CHICAGO ST LOUIS

DECATUR

DECATUR (NEW)

DECATUR PARK DISTRICT

SPRINGFIELD 239

FLECK'S LAKEVIEW

MC COY

COOPER

MOODY

ALLEN

MIDWAY AVIATION

PARIS

KINGMAN

JORDAN

ILL IND

SPRINGFIELD

TAYLORVILLE

TERRE HAUTE 248 (116.1)

HULMAN

PAUL S COX

MATTOON

CHARLESTON

TO INDIANAPOLIS

SHELBY CO.

EFFINGHAM 275 (116.1)

CASEY

FOR DETAILS IN THE ST LOUIS AREA SEE CHART 142

EFFINGHAM

HILLSBORO

HANDS

INDIANAPOLIS 70

LINTON

ST LOUIS DES MOINES 31

WOODRIVER

ST LOUIS 209

EFFINGHAM CO

SMITH AVIATION

VANDALIA MUN

ST LOUIS CINCINNATI

EMISON

HIGHLAND-WINET

JAMESTOWN

GEORGE

SCHILT

WASHINGTON MUN.

WASHINGTON

O'NEAL

LECKRONE

FLORA

PRESBYTERIAN NO 3

CYRIL LEBERT

SCOTT AAF 263

B AND K FLY SER

BECKERMAN

STRAUB

EVANSVILLE 233 (116.1)

RED 11

MT VERNON

NASHVILLE

WHITE CO

DU QUOIN

EVANSVILLE 278 (118.5)

HENDERSON

OWENSBORO

FERGUSON

CHESTER

MURPHYSBORO

CARBONDALE

MACARIN

MARION

DENIS

MT VERNON

STURGIS

MADISONVILLE

ST LOUIS MEMPHIS

MEMPHIS 103

OVER

RADIO — ILLINOIS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHANUTE (Rantoul)(Army)	365 (DNU)	SBMRAZ	(3), 126.18
Chanute Field	396 (126.18)+	CA, 43°, 3.3	(3), 126.18
EFFINGHAM	275 (EF)(116.1)	BMRLZ-VDT,341°,0-Intermediate	(4), 116.1
SCOTT (Belleville)(Army)	263 (DCD)	SBMRAPZ-DT,49°,1.8	(4)
SPRINGFIELD	239 (ZD)	SBMRAZ-DT,113°,2.3	(4)
INDIANA			
EVANSVILLE	233 (EV)(116.1)	SBRAZ-VDT	(3);116.1
Evansville Airport (old)	278 (118.5)	C, 177°, 5.5	(4):126.18.118.5.131.9
TERRE HAUTE	248 (TH)(116.1)	BMRLZ-VDT;182°, 0 Paul Cox	(4): 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen (Arcola)	2 W,RR N,E	665	20 S6	80 oct.Pole line N, E.
B & K (Fairfield)	1.4 WSW,RR S	500	21 S2	80 oct. Pole line S.
Beckerman (Mt.Carmel)	4 W,RR S	424	23 S1	80 oct. Pole line N.
(P) Bloomington	3 E,RR N	875	33 L1 S6	80,91 oct. Pole line N, NW.
Carbondale	0.1 E,lake 2 E	450	20 S4	80 oct. No sto.
Champaign	2 NNW,RR SW	753	28 L S4	73 oct.Range lgts.Appchs blocked.
(A) Chanute (Rantoul)(A)	1 SE,RR W	744	63h R2 L5 S6	73,91,100 oct. JP-1.Pole N.
Charleston	1.3 SW,hwy E	690	26 S6	80 oct.Use marked areas.
Clinton Flying Club	5.5 NE	720	13	
Cooper (Tuscola)	1.6 SW,RR E	650	24 S2	80 oct.Poles NW, SE, NE, E
Cyril Lebert(Lebanon)	0.5 SE,hwy N	440	22 S2	80 oct.Poles N, W, S.
Danville	2.4 SSW,hwy W	640	24 S4	80 oct. Appchs blocked by poles.
Decatur	4 NW	678	29 S6	80 oct.
Decatur Park District	4 E,RR,hwy S	679	53h S6	80,91 oct.Pole line N,SW,NW.Rnwy data unver.
Denis (Muddy)	Adj E	400	27 S1	80 oct.Data unverified.
(P) Du Quoin	1.8 W,hwy S	454	26 S2	73 oct. 25' poles S.
Effingham Co. Memorial	3.6 S,hwy W	585	30 S4	80 oct.
* Effingham Int,10,L3-II)	2.5 N,RR E	607	26 R1 L3 S1	73 oct. on req.
→ Fleck's Lakeview (Rochester)	2.8 W,lake W	580	21 S6	80 oct. W blocked.
Flora	1.1 WSW,RR N	490	27 S1	80 oct. Trees, poles N.
(A) George (Lawrenceville)(A)	4.5 NE,RR S	428	52h	CLOSED
Highland-Winet(Highland)	3.6 NE,RR S	535	24	Pole line S.
Illini (Urbana)	2 NNE,hwy SE	740	26 S6	80 oct. Trees E.
Leckrone (Salem)	1.9 NW,hwy S	545	39 S6	80,91 oct. Use strips only.
McCoy (Blue Mound)	5 W	660	16 S2	No fuel.
Macarin (Marion)	4.6 WNW,hwy W	470	35 S6	80, 91 oct.
Marion	1.8 ESE,RR S	430	26 S6	73 oct.
Mattoon	4 E,RR N	720	26 S4	80 oct. Poles W.
Medbery (Armington)	1 NE	650	26	Data not verified.
Moody (Dalton City)	2.2 S,hwy W	680	19 S6	80 oct. Pole line N;bldg NE
Murphysboro	3 N,riv SE		20 S1	80 oct. Data not verified.
Paris	3.5NNW;RR,hwy	740	30 S1	80,91 oct.Poles SW,S,W.
Pekin	4 S,bet RRs	505	24 S2	80 oct. Pole line W,N, E.
→(P) PEORIA	4.8 WSW,rd E	659	44h R1 L5 S6	80,91 oct. Trees W,bldgs NE.
Presbyterian Church No. 3 (St. Francisville)	4 WNW,hwy E	430	45h	
Russell's (Hoopeston)	6.5 WNW,RR S		13	PRIVATE. Data not verified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing.(See page x(1)(NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Shelby County (Shelbyville)	1.9 ESE,RR N	677	21 S1	80 oct.
Smith Aviation (St.Elmo)	1.3 SW,RR NW	647	20 L1 S2	80 oct. Poles N, NE.Rnwy data unver
(P) Springfield	3.5 SW,bet RRs	606	31 R1 S6	80,91 oct.Use strips only.
(P) University of Illinois-(Champaign)	5.5 SSW,RR E	752	53h S4	80, 91 oct.
Vandalia	4.4 NW	532	39h L2 S2	80 oct.
Vermilion (Danville)	4 E,hwy S	650	21 S2	80 oct. 30' poles S.
White County (Carmi)	1.1 NE, RR S	450	17 S1	80 oct.
Mount Vernon	2.5 ENE,RR S	465	37 L S6	80,91oct.Data unver.Temp port lgts.
Taylorville	1 SW		26 S6	80 oct. Data not verified.
Hillsboro	1 NE	630	25 S4	Inf,not verified
Schilt (Olney)	1.5 E;RR S		30 S1	80 oct.Data not verified.
Nashville	1 E;lake W		20 S1	80 oct. Info unverified.
Casey	1 NW		26 S2	80 oct. Info unverified.
INDIANA				
Attica	2 S;hwy W	647	26 S1	80 oct. Data not verified.
Cork (West Lebanon)	4 W		24 S1	80 oct. Obsts NE. Data unverif.
Emison (Oaktown)	3.6 WSW	425	45h	
EVANSVILLE (old)	5 NE;bet RRs	385	60h R2 L5 S4	80, 91 oct. Twr W.
Ferguson (Richland)	0.5 SE		13	Data not verified.
Highland (Perrysville)	2.8 WNW,riv E	585	23 S2	Ltd 73 oct.
(P)HULMAN (Terre Haute)	5 ESE; RR N	585	53h L5 S4	80,91 oct.No sto.Fld lgts prior req.
Jordan (Bloomingdale)	3.5 N		33 S1	80 oct.Use NE/SW strip.Data unver.
Kingman Flying Service (Kingman)	0.5 E,hwy N	710	26 S4	80 oct. No sto.Data unver.
Linton	3.3 E, RR S	500	20 S1	Ltd 80 oct. Pole line N.
Mount Vernon	1 E;bet hwy,riv	390	26 S1	80,91 oct.Data unverified.
O'Neal (Vincennes)	1.5 WNW,RR NE	415	28 S6	73,80 oct.NNW appch blocked.
Paul S. Cox (Terre Haute)	3.2 S,riv W	485	27 R1 S4	80, 91 oct. Stacks NE.
Straub (Cynthiana)	0.5 NW		13	Info. unverified.
Washington Mun.	4 N		30 S4	80 oct. Info. unverif.
Washington	3 W		21	Info. unver.
KENTUCKY				
Madisonville	6 ENE; hwy SE	420	24 S4	80 oct. Use strips only.
Owensboro	2.5 ENE;RR NW	484	26 S6	73, 91 oct. No sto.
(A) Sturgis AAF (A)	1.5 ESE,hwy SW	371	50h	CLOSED
MISSOURI				
Chester (McBride)	3.8 NW,riv N	372	20h	Allway: 5388 x 4695'.
Midway Aviation(Horace,Ill.)	1 E,RR W	650	26 S2	80 oct.Poles,bldgs,trees E,N.
Henderson,Ky.	6 SW,riv N		23 S1	80 oct.Data unver.
→ H & S (Gillespie,Ill)	1 W; RR S	661	18	Pole lines N
→ Morton (Ill.)	3 W; hwy N		18 S4	80,91 oct. Data unver.

RADIO — INDIANA

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED. HRS OF OPER., REMARKS
ADVANCE FM	(- - - -)	FM, 330°, 24	Indianapolis
CEDAR GROVE FM	(- - - -)	FM, 297°, 35	Cincinnati, Ohio
CLAYTON FM	(- - -)	FM, 250°, 11.2	Indianapolis
GREENCASTLE FM	(- - - - -)	FM, 250°, 27	Indianapolis
GREENFIELD FM	(-)	FM, 82°, 31	Indianapolis
INDIANAPOLIS	266 (ID)(116.1)	SBRAZ-VDT	(3) 116.1
Indianapolis Airport	278 (126.18, 118.9)	AC(ILS); 82°,3.2	(4); 131.9, 126.18, 118.9
LAFAYETTE (Purdue University)	227(LF)(116.1)	BMRLZ-VDT; 50°,2.4	(4),116.1 118.7
MILROY (Int.)	347 (MV)	MHT	(4)
MORGANTOWN FM	(- -)	FM, 177°, 22	Indianapolis

KENTUCKY

BOWMAN FIELD (Louisville)	278 (126.18) (118.3)	AC	(4); 116.1, 131.9, 126.18, 118.3
EASTWOOD FM	(- -)	FM, 89°, 9.4	Louisville
GODMAN (Fort Knox) (Army)	227 (DKX)	BMRLZ	
Godman Field	272 (126.18)	CA; 172°, 3.1	(3); 126.18 (6-24)
LOUISVILLE (Bowman)	359 (LV)	SBMRLZ-DTX; 169°, 1.4	(3)
SHEPHERDSVILLE FM	(- - -)	FM, 180°, 18	Louisville
SULPHUR FM	(- - - - -)	FM, 227°, 70	Cincinnati, Ohio
UNION FM	(- - -)	FM, 227°, 24	Cincinnati, Ohio
WARSAW (Int.)	212 (WR)	MHT	(4)

OHIO

CINCINNATI (Lunken)	335 (CC)	SBRAZ-DT; 227°,5.2	(3)
DAYTON	245(DY)(116.1)	SBMLZ-VDT	(3); 116.1
Dayton Airport	278 (126.18, 118.9)	AC(ILS); 90°,3.3	(4); 131.9, 126.18, 118.9
FAIRFIELD FM(Army)	(- - -)	FM, 196°,9.3	Patterson
LOVELAND FM	(-)	FM, 44°, 8.8	Cincinnati
LUNKEN (Cincinnati)	227 (126.18, 118.7)	AC	(4);116.1,131.9, 126,18,118.7
PATTERSON (Fairfield) (Army)	379 (DPK) (116.1)	SBMRAZ-VDT	(4), 116.1
Patterson Field	396 (126.18)+	CA(ILS);32°,2.96	(4); 126.18 (GCA)
VERONA FM	(- - -)	FM,270°,9.9	Dayton
WRIGHT (Dayton)	260 (126.1)	CA	3105,4495;126.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APP. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Dayton, Ohio	110.3	335	55° Mag.	IM- ····· (.05)	MM-	OM- -- (4.4)
					MMK-	OMK-
Indianapolis Ind.(LG)	109.9	333.8	44° Mag.	IM- ····· (.05)	MM- ·-·- (.89)	OM- -- (4.3)
					MMK- 201 ·-·- (1.89)	OMK- 219 ---- (4.3)
Patterson, Ohio	108.7	333.8	210° Mag.	IM- (.09)	MM- ·····(1.5)	OM- -- (4.5)
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice. Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
✚ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — INDIANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Ace (Anderson)	2 S	875	50 L S4	80 oct. Port rnwy lgts.
Anderson	3.5 SE;RR NE	875	27 S6	80 oct. P-line NE, trees E
Aretz (Lafayette)	4 NE	500	35 S6	80 oct. Info. unverified.
(A) Atterbury AAF (Columbus) (A)	3.5 N;hwy S	651	50h	TMP INACT, NO FACS (See Spl Not)
Bargersville	1 N		20	Info. unverified.
Beck (Zionsville)	5 NE;crk W		14 S2	80 oct. Poleline W. Info. unverified.
Bedford	3.5 SE	632	19 S2	Ltd 73 oct. Rnwy data
Black Hawk (Sheridan)	5.3 N;hwy E	800	16 S1	Ltd 73 oct.] unver.
(P) Bloomington	5 WSW;RR SE	840	40 L S2	73,80 oct. Port rnwy lgts Trees N,NE,SW
Boss-Denien (Salem)	3 WNW;RR N		26 S6	80 oct. Poleline S. Data not verified.
Bringham (Portland)	1.5 E;RR E	1020	20	Poles S;120' tank SW.
Brightwood (Indianapolis)	3.7 NE;rd S		44 S4	80 oct. Data unverif.
Brownsburg	1.5 SSE;RR N	650	20 S1	73 oct. Poleline S.
Bunker Hill	1.8 W;RR N	798	50h	
Bush (Jeffersonville)	3 NE		20 S2	80 oct. Inf. unverified.
Bush (Ramsey)	1.5 WSW;hwy N	580	10 S1	73 oct.
Campus (Bloomington)	1.5 ENE,RR S	882	22 S1	80 oct.
Columbus	4.5 SSW	616	45h S4	80 oct. No sto.
Coxey's (Winchester)	1 ESE;hwy N	1088	16 S4	80 oct.
Crawfordsville	4.5 SSW;hwys E, W	850	37 S4	80 oct. No sto. Info. unverified.
East Richmond (Richmond)	3.7 ESE;RR E	1090	20 S6	73 oct.
Elwood	1.8 SSE;hwy NE	850	23 S4	80 oct. Data unverif.
Farmers (Greenfield)	9 NW		26 S2	73 oct. Info. unverif.
Fortville	2.8 E;rd N	740	15 S1	Ltd 73 oct. Trees SSW.
Franklin Fly. Field	4 S;riv S	745	22 S2	80 oct. Trees S.
(A) Freeman (Seymour) (A)	2 SW;hwy N	575	55h	TMP INACT, NO FACS
French Lick Sprgs. (NC)	1 SE;RR W	500	27h	(See Spl Not)
G & C (Anderson)	1 N	875	30	Info. unverified.
Greencastle	8 SE		23 S2	80 oct. Info. unver.
(P) Greenfield, Inc.	1.9 ENE,RR S	910	30 S2	80 oct. Poleline S.
Halsmer (Lafayette)	3 ESE,RR S	595	20 S6	80 oct. Poles SW.
Himes (Ladoga)	4 NW		13	Info. unver.
Hoosier (Indianapolis)	4 WNW	740	26 S5	80 oct. Pole line NE.
Howell Bros (Rushville)	2 SE;hwy SW	985	21 S4	91 oct.
Huffman Air Service (Selma)	0.8 SE; RR N	1000	15 S4	73 oct.
(P) Huntingburg 19, LS-LV	3 S;RR E	500	31 L2 S2	73 oct.
(P) INDIANAPOLIS	8 SW;hwy N	796	53h R3 L6 S6	73-100 oct. Exper lgts
Kokomo, mun.	4.7 NE	835	40h L5 S2	80 oct. P-line N. Lgts prior
Lapel	1 NE		13	Rough. Info. unver.] req.
Lawrenceburg	1 SW		22	Info. unver.
Lebanon	1 S;RR N	825	13 S2	80 oct. Trees SW.
Lizton	1 SE		25	Info. unverified.
Lockwood (Frankfort)	2.5 S;RR W	764	20 S4	80 oct. Ditch W.
Loy (Plainfield)	0.5 NE;RR S		19 S6	73 oct. Data unver.
Madison Commercial	2.2 N;RR W	960	24 S2	80 oct. Poles E.
(A) Madison AAF (A)	6 NNW; RR SW	850	50h	Closed to all acft.
Mapleton (Seymour)	3 E	620	18 S4	80 oct. No sto. Info. unver.
Martinsville	2 W		10	Info. unver.
Marion	3.8 SSW;hwy S	832	24 L S4	73 oct. Poles E; hi-line N.
Mecco (Danville)	0.5 W		13 S2	73 oct. Info. unver.
Mettel (Connersville)	2.4 NNE;RR E	950	29 S1	80 oct.
Milroy Int, 5, CC-CG	5.5 ESE	1034	27 R1 L3	
Moore (Zionsville)	12 NW		14 S1	80 oct. Info. unver.
(P) Muncie	3.5 N;RR SW	950	31h L4 S6	80,91 oct. Lgts prior req. Rnwy info. unver.
New Castle	3.2 E; RR S	1040	23 S6	80 oct. No sto.
New Castle Western (New Castle)	2.3 NW;lks SE	1080	26 L S1	73 oct. Port rnwy lgts.
Noblesville	1 SE; RR N	801	24 S1	80 oct. Pwr line ESE.
Ockley	1 W		23	Pwrlines N,W; trees E. Info. unver.
Owen (Mooresville)	4 E		31 S1	80 oct. Info. unver.
(P) Purdue University (Lafayette)	2.5 W;RR N	605	35h R1 L3 S6	80 oct. Silo N; stack NE.
Reese (Muncie)	4 E	950	19 S2	80 oct. Info. unver.
Reimer (Lafayette)	2 S		25 S2	80 oct. Info. unver.
Richmond, com.	4 WSW;RR N	1075	42 L1 S2	80 oct.
(P) Richmond, mun.	6 SSE;RR W	1139	55h L5	Contact lgts on req.
Ruzicka (Kokomo)	2.5 S;RR E	800	22 S6	80 oct. Pole E; trees N.
St. Anne #2 (Seymour)	2.3 NNE	750	45h	
Scottsburg	2 W		18	Info unver.
Shank's (Indianapolis)	5 WNW	740	28 S6	80 oct. Info. unver.
Shelbyville	3.1 S;hwy E	850	19	Poleline E.
Silent Brook (Orleans)	5 W;riv SW	650	20 S4	80 oct. P-line W, SW
Sky Harbor (Indianap's)	7 ENE;hwy S	730	26 L S6	80 oct. Pole line E,S,SE.
(P) Sky Haven (Bedford)	2 SSW;riv S	650	36h S4	80,91 oct. Poleline E,S. Rnwy data not verif.
Steed (Portland)	1.5 NW	1030	20 S2	80 oct. Obsts N end NE-SW stp. Info. unver.
Stiles (Shoals)	1 N	740	22 S2	80 oct. Info. unver.
(A) Stout (Indianapolis) (A)	5.5 WSW	712	45h L5	Lgts prior req.
Templeton (Greensb'g)	3.5 WNW;RR N	915	26 S4	73,80 oct. No sto. Pwrline S
Vevay	1 E	450	20 S2	73 oct. Tree NE corner Info. unver
West Side (Marion)	2.5 NW;hwy S	835	26 S1	73 oct. Pole line E.
White Cloud (Greenw'd)	1.6 SW;hwy E	800	25 S4	Fuel. No sto. Info. unver.
Yorktown	1 S		22 S1	80 oct. Obsts E. Info. unver

KENTUCKY

Blue Grass (Lexington)	6 W;hwy N	978	40h L5 S4	80,91 oct.
BOWMAN (Louisville)	5.5 ESE;hwy S	546	44h R2 L5 S6	73,91,100 oct.
Cool Meadow (Lexington)	4.8 N;rd W	910	28 S6	80,91 oct. No sto. Pole line SW.
* Glendale Int, 7SB,	0.5 NE;RR NW	702	26 L3	(DL-LV)
(A) Godman (Ft. Knox) (A)	1 NW;RR E	740	74h R2 L5 S4	73,91,100 oct. No sto.
Goodall (Danville)	4.2 S;RR W,S	990	27 S6	80 oct.
(P) Greater Cincinnati (Covington)	8.2 W;riv NE	889	55h L5 S1	91,80 oct. Svcg days only. Ctc lgts prior req.
Paris	1.2 NNE	635	20 S1	80 oct. Ravines NE,SE.
Shelby (Shelbyville)	2.5 ENE;hwy S	850	20 S2	80 oct. Info. unver.
Silver Lake (Frankfort)	3.2 E;hwy N	750	25 S2	80 oct.
Standiford (Louisville)	4.3 SSE;RR W	480	50h L5	
* Warsaw Int, 5A, LV-CV	0.8 SW;riv NW	485	30 R1 L3	

OHIO

Altaway Air Ranch (Mason)	4.2 S;RR NW	850	23 S4	80 oct. No sto. Pole line E.
Campbell (Cincinnati)	6.2 NNW;RR E	820	24 S1	80 oct. Pole line WSW.
Cheviot (Cincinnati)	9 W	914	18 L1 S1	80 oct.
Cincinnati (Sharonv'l)	2 SE;hwy N	860	37 S6	80 oct.
* Coldwater Int, 4, DY-CO	2 NW;crk NW	898	33 L3	
Country Club (Johnsv'l)	2.9 N;RR NE	990	26	Poles N, S.
Dahio (Dayton)	8.5 W;hwy S	925	37 S4	80 oct.
DAYTON	10 N;hwy E	1000	55h R3 L6 S6	73,80,91,100 oct.
Hamilton	2.5 SE;RR SW	615	29 S6	80,91 oct. Poles S, SE. Trees NW.
Happy Landings (Morrow) (NC)	2.4 ESE;RR S	880	28	Area SE unusable.
Harrison (NC)	2 ESE;RR SW	580	18	Pole line S.
Hightman (Lebanon) (NC)	3 E;RR W	880	16	Pole line W; trees W, E.
Lakeview (Montezuma)	1 SW;hwy W	895	24 S2	80 oct. Pole N.
(A) LUNKEN (Cincinnati)	4.3 SE;RR SW	481	41h R2 L5 S6	73,91,100 oct. Ben. ESE.
(P) Miami University (Oxford)	2.2 WSW;RR W	1040	40 S6	80 oct. Poles N, NW.
(P) Middletown	1.5 N; riv N	653	31 S4	80 oct.
Midway (Lewisburg)	3.4 WSW;RR E	1090	26 S4	80 oct. Trees W.
Mt. Healthy (Cincinnati)	9.5 NW,hwy E	870	22 S6	80 oct. Poles E; woods W.
New Westville (New Paris)	2.8 S;RR S	1180	21 S1	80 oct. Poles E, NW, SE.
Parks Watson (Cincinnati)	9 NE;RR E	865	25 S6	80 oct.
(A) Patterson (Fairfld) (A)	1.6 WSW	819	78h R3 L6 S4	73,100 oct. JP-1.
Piqua	4 WNW;RR S	1000	19 S2	80 oct. Poles S, SE, SW.
Polk Grove (Vandalia)	3.6 W;riv W	975		UNUSABLE. (NC)
Sidney	1 W;RR S		25 S2	80 oct. Data unver.
South Dayton (Dayton)	5 SSW;RR W	750	32 S6	80 oct. No sto. Hills S.
Treaty City (Greenv'l)	1.5 NNE;hwy W	1060	20 S4	80 oct. Poleline W.
Waco-Troy (Troy)	1.8 SW;RR SE	870	29 S1	80 oct.
(A) Wright (Dayton) (A)	5 ENE;RR NW	800	72h R1 L5 S2	62,73,91,100 oct. JP-1 CLOSED.
Lansdowne (Greenv'l) (Ohio)	2 ESE;RR N		19	Bldgs, hi-line N. Inf. unver.
Port Koneta (Wapakoneta, Ohio)	2.5 NNE;RR E		26 S1	80 oct. Inf. unver.
Stair (Mulberry) Ind	0.13 NE, hwy S	650	16 S4	80 oct. No sto. Pole line S. Data unver
Veteran's (Bloomington, Ind.)	2.5 W;RR N	890		80 oct. No sto. Poles W.
Riverside (Louisville, Ky)	7.5 SW;riv W		27 S4	80 oct. Data unver.
Charlestown (Ind.)	5 NE;hwy E		15 S6	80 oct. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC (not charted). → NEW OR REVISED DATA.

70 INDIANAPOLIS

R EXTREMELY HAZARDOUS O : USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)

BOLD HEAVY LINES ON EDGES OF CHART LESS IMPORTANT & CONGESTED.

INDIANAPOLIS 278 (126.18)
LAFAYETTE 227 (116.1)
GRAND RAPIDS 35
DAYTON 245 (116.1)
DAYTON 278 (118.9, 126.18)
INDIANAPOLIS 266 (116.1)
MILROY 347 On request
LUNKEN 227 (118.7, 126.18)
WRIGHT AAF 260 (126.1)
PATTERSON AAF 379 (116.1)
PATTERSON AAF 396 (126.18)
LOUISVILLE 359
WARSAW 212 On request
CINCINNATI 335
BOWMAN 278 (118.3, 126.18)
GODMAN AAF 272 (126.18)
GODMAN AAF 227

BUNKER HILL, CHICAGO CINCINNATI, OCKLEY, KOKOMO MUN, WEST SIDE, MARION, RUZICKA, ARETZ, HALSMER, STAIR, REIMER, LAFAYETTE, PURDUE U, LOCKWOOD, BLACK HAWK, ELWOOD, MUNCIE, REESE, HUFFMAN AIR SER, YORKTOWN, GANDC, LAPEL, NOBLESVILLE, ACE, ANDERSON, MOORE, LEBANON, BECK, CRAWFORDSVILLE, HIMES, ADVANCE, LIZTON, BROWNSBURG, SHANK'S, HOOSIER, STOUT AAF, MECCO, LOY, GREENCASTLE, CLAYTON, OWEN, WHITE CLOUD, BARGERSVILLE, SHELBYVILLE, FRANKLIN, MARTINSVILLE, MORGANTOWN, VETERANS, BLOOMINGTON, CAMPUS, ATTERBURY AAF, COLUMBUS, TEMPLETON, MILROY, CEDAR GROVE, FORTVILLE, GREENFIELD INC, WESTERN, NEW CASTLE, BRIGHTWOOD, FARMERS, SKY HARBOR, GREENFIELD, RICHMOND COM., STEED, BRINGHAM, FORT WAYNE, PORT KONETA, COLDWATER, LAKEVIEW, CLEVELAND CINCINNATI, SIDNEY, PIQUA, TREATY CITY, LANSDOWNE, WACO-TROY, TROY, VERONA, MIDWAY, COUNTRY CLUB, E. RICHMOND, NEW WESTVILLE, DAHIO, METTEL, HOWELL BROS., RICHMOND MUN., SO DAYTON, FAIRFIELD, MIAMI U., HAMILTON, MIDDLETOWN, ATTAWAY, CINCI INC, LOVELAND, PARKS WATSON, MT HEALTHY, CAMPBELL, CHEVIOT, LAWRENCEVILLE, GREATER CINCINNATI, UNION, MAPLETON, ST ANNE NO 2, FREEMAN AAF, MADISON AAF, MADISON, SCOTTSBURG, VEVAY, WARSAW, SKY HAVEN, BEDFORD, STILES, SILENT BROOK AIRPK, BOSS-DENIEN, CHARLESTOWN, SULPHUR, SHELBY, SILVER LAKE, PARIS, HUNTINGBURG, BUSH, EVANSVILLE, RIVERSIDE, STANDIFORD, EASTWOOD, BLUE GRASS, COOL MEADOW, SHEPHERDSVILLE, GLENDALE, GOODALL, CINCINNATI ATLANTA

TO TERRE HAUTE, TERRE HAUTE 67, TO SPRINGFIELD, TO HUNTINGTON, COLUMBUS 71

RED 14, RED 19, RED 27, RED 18, RED 11, AMBER 6, BLUE 44

OVER

NASHVILLE 106 | KNOXVILLE 107

COLUMBUS 71

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)
Ⓡ EXTREMELY HAZARDOUS Ⓞ: USABLE WITH CAUTION

DETROIT 38
TO FORT WAYNE
CEDAR LAWN
MARION
MAGNOLIA
RED 22
TOLEDO
TO TROY
VOSS
CLEVELAND CINCINNATI
MT LIBERTY
WYNKOOP
NEW PHILADELPHIA
RED 17
PITTSBURGH
CLEVELAND PITTSBURGH
COLUMBUS 391 (116.1)
GRIMES
OHIO STATE U
SPRINGFIELD
TO TROY
HILLIARD
COMMERCE
BRIGGS
NEWARK
WELLSBURGH
PITTSBURGH 254
CAMBRIDGE
SUMMIT STA
SNOOK
PRICE
NORTON
NEWARK
RIVERSIDE
ZANESVILLE 263 (116.1) On request
ZANESVILLE
CRABILL
SPRINGFIELD
CLICKENGER
GROVE CITY
SULLIVANT AVE
PORT LANCASTER
LANCASTER
CROOKSVILLE
PITTSBURGH CINCINNATI
LOCKBOURNE AAB 317 (126.18)
PORT COLUMBUS-NAS 278 (118.5, 126.18, 142.74)
WASHINGTON
TRI-COUNTY
CINCINNATI 335
On request
CLINTON CO. AAF 201
CLINTON CO. AAF 272 KC 116.1, 126.18, 137.88, 140.58 MC
CHILLICOTHE SKYPARK
INTENSIVE INSTRUMENT TRAINING AREA SHOULD BE AVOIDED AT ALL TIMES.
REED'S
MARIETTA
WOOD CO
STEWART
OHIO U
JONES
On request
CHERRY FORK 209
CHERRY FORK
SHUMATE
RAVENSWOOD
KNORÉ
RAVEN ROCK
OHIO W. VA
ROANE CO.
ELKINS 281
MAYSVILLE
OHIO
ABKEN
ASHLAND
HUNTINGTON
CLARK
CHARLESTON 400 (116.1)
BOLLINGER
HUNTINGTON 236 (116.1)
LOGAN
W. VA KY
MORRIS
CINCINNATI ATLANTA
SCOTT
PAYNESVILLE 356
PRINCETON
TO TRI-CITY
KNOXVILLE 107 | CHARLOTTE 110
OVER
INDIANAPOLIS 70
TO LOUISVILLE
TO PITTSBURGH
TO ELKINS
BLUE 39
AMBER 6
BLUE 15
GREEN 4
RED 18
RED 11
45
85
211
362
266
224
272
296
135
75
315
255
101
277
359
179
83
93
106
112
262
110
17
32
20
15
10
25
26
42
109
163
170
3000
4000
5000
6000
7000
STATUTE 10 MILES

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
CHERRY FORK (Int.)	209 (UY)	MHT	(4)
CLINTON CO. (Wilmington)	272 (126.18, 140.58.116.1)	CA(ILS)	(3); 126.18,137.7,116.1 Tr on 137.88 on req.(GCA)
Clinton County (Wilmington) (Army)	201	K	0.2 mi. end Rnwy 22,(8-1630, Mon-Fri.or on 30 min notice)
COLUMBUS (Port Columbus NAS)	391 (CO)(116.1)	SBRAZ-VDT,86°, 1.9	(3); 116.1
HILLIARD FM	(- - - -)	FM, 273°, 9.8	Columbus
LOCKBOURNE AAB(Columbus)	317 (126.18)+	CA (ILS)	(3), 126.18
MT. LIBERTY FM	(-)	FM, 31°, 27.8	Columbus
MT. ORAB FM	(- -)	FM, 116°, 25.5	Cincinnati
NEWARK FM	(. . - -)	FM, 86°, 25	Columbus
PORT COLUMBUS NAS (Columbus)	278 (118.5) (126.18,142.74)	AC	(4), 131.9, 118.5, 126.18, 142.74
SUMMIT STATION LFM	(- -)	LFM, 86°, 5.6	Columbus
ZANESVILLE	263 (VL)(116.1)	MHVT	(4), 116.1

WEST VIRGINIA

CHARLESTON	400 (KN)(116.1)	SBMRAZ-VDT	(4), 116.1
HUNTINGTON	236 (HI)(116.1)	BMRLZ-VDT.75°. 2.4	(4):116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
LOCKBOURNE AAB, OHIO	109.9		3° Mag.	IM (.16)	MM ····· (.85)	OM -- (4.29)
					MMK	OMK
CLINTON CO. AAF, OHIO	109.5	332.6	320° Mag.	IM (.05)	MM	OM
					MMK	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Abken (Russell)	2.7 NW,riv N	555	26 S3	80 oct. Data not verified.
Ashland	1 E, RR SE	535	29 S4	80 oct.
Maysville	3.5 NW		26 S2	Fuel. Data not verified.

OHIO

Briggs (Zanesville)	6.4 NNE,RR W	780	18 S2	80 oct. Poles E.
Cambridge	2 N, RR W	800	27 L3 S2	73 oct.
Cedar Lawn (Kenton)	2.3 S, RR E	975	18 S2	80 oct. Poles E.
★ Cherry Fork Int,4,CC-WA	0.5 NNW	939	39 R1 L3	
Chillicothe Skypark	1.8 N,RR E	640	30 S4	80,91 oct. Data not verified.
Clickenger (Columbus)	6.2 SSE,RR E	748	26 S2	80 oct. Poles surround fld.
(A) Clinton County AAF (Wilmington)(A)	2 SE,hwy NE	1062	60h R3 L5 S1	73, 91, 100 oct. JP-1. No rng
Commerce (Zanesville)	6.5 N,RR,riv E	800	28 S2	73, 80 oct.
Crabill (Springfield)	2.5 SE,RR E	1040	29 S6	80 oct, Pole line S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII(NC)-Not charted. ➙ NEW OR REVISED DATA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Crooksville	2.3 S,RR NW	760	22 S2	No fuel. Poles N
Grimes (Urbana)	1.5 N,RR W	1055	35 L4 S6	80 oct. Fld lgts prior req.
Grove City	1 S, RR W	860	21 S6	73,80 oct. No sto.Poles W.
Jones (Chillicothe)	7.2 SE,RR SW	720	20 S2	Ltd 80 oct.
Knore (Minford)	2 SE,RR W	670	20 S6	80 oct. No sto. Pwr line S.
Lancaster	2.5 E;RR N,SW	830	25 S4	80 oct. Poles E.
(A) Lockbourne AAB (Columbus)(A)	11.5 SSE,RR W	738	55h R3 L5 S5	73, 100 oct. JP-1. No range.
Magnolia	0.5 NW,RR SE	970	22 S1	80 oct. Trees W.
Marietta	1.8 ESE,riv S	615	27 S2	80 oct.
Marion	2.5 WNW,RR S	915	28 S2	80 oct.
Newark,2,.CO-PG	3.5 SW,RR N	880	25 L3 S2	73 oct. 200' stacks S.
(P) New Philadelphia	2.5 SE,RR SW	885	36 S6	80 oct. Poles N,E,W.
Norton (Columbus)	6.5 E,RR N	800	22 S6	80, 91 oct. Pole line N.
(P) Ohio State University (Columbus)	8 NNW,riv E	900	22h S4	80, 91 oct.
Ohio Univ. (Athens)	1.5 E,RR S	640	40 L S6	80 oct. Port rnwy lgts
(N) Port Columbus - NAS (Columbus)	7 E, RR S	815	50h R2 L6 S6	80-100 oct. Poles NW.
Port Core (Rushsylvania) (NC)	1.6 SSW,RR NW	1275	14	Poles NNE; trees SSW.
Price (Columbus)	6 SE	760	22 S6	80 oct. Poles S, SE.
Raven Rock (Portsmouth)	3.5 WSW,riv S	538	24 L3 S6	80,91 oct. Lgtg fac not verified.
Reed's (Watertown)	4.9 W,hwy E,S	820	13 S1	80 oct. Pole line NE.
Riverside (Zanesville)	3.4 NNE,RR W	700	40 S4	80 oct. Hill, trees NNE,SSW.
Scioto Trail State Forest (Chillicothe)(NC)	8 SSE,RR NE	640	24	
Shumate (Jackson)	8 SSE,RR NE	720	20 S1	80 oct.
Springfield	4.2 ESE,RR N	1050	27 L4 S4	80 oct.No sto.Fld lgts prior req.
➙ Sullivant Ave.(Columbus)	6 WSW,RR NW	860	34 S6	80,91 oct. Pole line S.Rnwy data unver
Tri-Co (New Holland)	3 ESE.RR N	350	21 S1	80 oct.
(P) Twin Cities (Gallipolis)	1.8 ENE,riv SE	563	30	Trees E. (NC)
Washington (Wash.C.H.)	4.5 ENE,RR S	910	22 S1	80 oct. Pole line S.
Wolfords (Amanda)(NC)	0.8 E, RR NW	980	13	
Woodsfield (NC)	1 W,hwy NE	1220	19	
(P) Wynkoop (Mt.Vernon)	1.4 SSW,RR NW	1050	34 S1	80,91 oct.Pole line E. RR E.
Zaleski St. Forest Svc.	1 SSW,RR NW	705	22	(NC)
(P) Zanesville	6.2 E,hwys N,S	902	50h R1 L5 S1	80 oct. prior req.
(P) Huntington(Chesapeake)	2 WSW, riv S	560	29h R1 S6	80,91 oct.
Port Lancaster Corp. (Hooker)	0.8 N;RR W	800	28 S1	80,91 oct. Hwy W.
Snook(Reynoldsburg)	1.4 NE;RR N	980	21 S6	80 oct.Pole line E;trees SW.

WEST VIRGINIA

Bollinger(Charleston)	4.5 SW,riv N	600	21 S4	80 oct.
Clark (Winfield)	5 N St.Albans	600	27 S6	73 oct. No sto. River E.
Morris (Williamson)	5 NNW,RR E	600	12 S1	80 oct. Pole line S.
Princeton	1.7 SW,hwy E	2450	20 S4	80 oct.
Ravenswood	0.6 NNW,RR W	600	23 S1	Ltd 80 oct. Obsts sur fld.
Roane Co. (Spencer)	1 SE,hwy NE	954	17 S1	80 oct.
(P) Scott (Mt.Hope)(Beckley)	2.6 N, RR E	2440	33 L1 S6	80, 91 oct. Trees N.
Stewart (Parkersburg)	2.3 NNW,riv W	602	33 S6	80 oct. Pole line SE.
(P) Wood Co. (Parkersburg)	7 NE; hwy E	835	45h L5 S6	80,91,100 oct. Lgts prior req.
Logan	7.2 NNW,riv E	630	15h S1	80 oct Hill S,N.
Huntington				See Huntington Arpt, Chesapeake, Ohio
Voss (Lewistown,Ohio)	5 WNW,hwy S		24 S2	80 oct.P-line S.Data unver.

RADIO — PENNSYLVANIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALLEGHENY CO. ARPT (Pittsburgh)	278 (126.18 (118.7)	AC	(4):140.1,131.1,126.18
ALTOONA (Altoona-Blair Co.)	338(RP) (116.1)	SBMRAZ-VDT:203° 1.3	(4):116.1
CECIL FM	(- - -)	FM, 265°, 10.3	Pittsburgh
GREATER PITTSBURGH AIRPORT PITTSBURGH[	396 (126.18 +	CA	(3):126.18
HOOKSTOWN FM	(- - - -)	FM,308°, 32	Pittsburgh
MT. PLEASANT FM	(- -)	FM,124°, 24.7	Pittsburgh
NEW ALEXANDRIA FM	(-)	FM, 85°, 30	Pittsburgh
PITTSBURGH	254(PT) (116.1)	SBRAZ-VDT :85°, 2.2	(3):116.1
SUMMERHILL FM	(- - - -)	FM, 281°, 22	Altoona
CECIL	219(C)	FMK,266°,16.3	Pittsburgh

VIRGINIA

FRONT ROYAL	362(FZ)(116.1)	SBMRAZ-VDT	(4):116.1
GORDONSVILLE (Int)	388(GJ)(116.1)	SBMRAZ-VDT:135°2.6	(4):116.1
LYNCHBURG (Preston Glenn)	206(LB)(116.1)	SBRAZ-VDT	(4):116.1

WEST VIRGINIA

ELKINS	249(EK)(116.1)	SBMRAZ-VDT:174°,2.6	(4):116.1
MARTINSBURG	209(MR) (116.1)	BMRLZ-VDT:35°,2.9	(4): 116.1
MORGANTOWN	269(MG)(116.1)	BMRLZ-VDT:173°,2.6	(4):116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)						
LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
PITTSBURGH, PA.			95° Mag.	IM	MM	OM
					IMK 201.---(.80)	LM

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — MARYLAND

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Cumberland	2.5 S;riv N,S	780	55h L5 S1	80 oct. Mtns SW.
Mexico Farms(Cumberland)	3 S;RR E	630	36 S2	80 oct.Mtns E.

OHIO

Scott (Tiltonsville)(NC)	1.5 SSW;riv E	650	25	
Toronto	1.5 NW;riv E	1050	22	

PENNSYLVANIA

ALLEGHENY COUNTY(Pittsburgh)	5.3 S;RR NW	1251	57h R2 L6 S6	80-100 oct.No cte lgts.Rdo rep req.
Allegheny Val'y(Tarentum)	3.2 W;RR W	1125	24 S4	80 oct.
Altoona(Duncansville)	1 SW;RR E	1050	36 S4	73 oct.
* Buckstown Int,12B,WA-CV	1 E;hwy S	2480	23 L3	
Connellsville	4 SSW;hwy E	1250	34h S2	80 oct.
Cresson	1 NE;RR W	2240	25 S2	80 oct.Pole line S.
(A) Greater Pittsburgh (Pittsburgh)(A)	15 WNW;riv N	1145	55h R1 L5 S4	100 oct. JP-1 No sto.
(P) Greene County (Waynesburg)	2.7 E;RR NW	1100	32 S6	80 oct.
Hamilton (Indiana)	2.5 E;hwy S	1440	26 S6	80 oct.Pole line S.
Harrison City	1.1 NW;hwy S	1230	17	Poles NW.
Huntingdon	1 S;riv NE	620	20 S4	80 oct.Pole line W.
(P) Johnstown	4.7 E;hwy N	2282	45h	
Keystone (Ebensburg)	3 SW;RR NW	2100	23 S4	87 oct.Obst sur fld.
Latrobe	2.8 SSW;hwy N	1144	23h S4	80 oct.
Leechburg	1.6 ESE;hwy W	960	30 S6	73 oct.Pole line N,NE.
Mayer (Pittsburgh)	10 WSW;RR S	770	16 S4	80 oct. Pole line S.

A-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) (NC)-Not charted. → NEW OR REVISED DATA

AIRPORTS — PENNSYLVANIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
New Alexandria	1.5 ENE;hwy N	1200	18 S4	80 oct. Pole line N.
PITTSBURGH-ALLEGHENY CO. (Pittsburgh)				See Allegheny County Arpt.
Pittsburgh-Bettis (Pittsburgh)	5 SSE	1250	25h S6	80,91 oct.
Pittsburgh-Greensburg (Greensburg)	2.3 SE;hwy N	1280	26 L3 S6	80 oct.Twr W.No bndry lgts.
Pitt-Wilkins(Pitcairn)	1 NNW	1200	17 S2	80 oct.
Salix	3.6 S;RR NW	2200	24 S4	80 oct.
Somerset	2NNE;RR SE	2200	27 S4	80 oct. Pole line W.Data unverified.
(P) Stultz (Altoona)	10.7 NNE;RR N	970	35 S6	80,91 oct.Pole line N.Rnwy data unver.
Vandergrift	2 WNW;RR E	1000	21 S2	73 oct. Pole line NW.
Star Valley Park (Charleroi)	2 E;RR W;riv E	760	25 S1	80 oct.Bldg S.Data unver.
Blair (Martinsburg)	7 SE	1640	46h R1 L4 S2	80,91 oct.

AIRPORTS — VIRGINIA

Augusta(Waynesboro)	6 NNW;riv SE	1420	24 S4	80 oct.Red pole line SE.
Buford's (Montvale)	0.5 S;hwy N	1000	33 S6	80 oct. 100' hill E.
Covington-Clifton Forge	0.5 E;hwy S	1115	24 S4	80 oct.
Gordonsville	2.9 NE;RR S,SE	475	18 S6	80 oct. Trees NE,SW.
* Int,51,NA-WA	5 SSE	438	31 R1 L3	Pole line SW.
Hartman(Harrisonburg)	1 NW	1350	22 S4	80 oct.
Ingalls (Hot Springs)	3 S;hwy W	3780	31 S2	80 oct. Closed winters.
Lexington	2.7 SW;hwy S	1200	17 S1	73 oct. Pole line NE,SW.
Narrows	1 E;RR S	1550	20 S2	Ltd 80 oct. Trees W.
(P) PRESTON GLENN(Lynchburg)	6.7 SSW;RR SE	935	40h R2 L5 S6	80,91 oct.
Staunton	4.4 NE;RR NW	1300	26 S6	80,91 oct.Pole line NNE.
Stokes (Front Royal)	2.5 W;riv E	735	19 S2	80 oct. Pole line S,E.
Timberlake (Lynchburg)	9.5 SW;RR N	950	26	
University of Virginia (Charlottesville)	5 ESE;riv E	300	35 S6	80, 91 oct.Trees ESE.
→ Valley (Waynesboro)	1.7 NNE;RR E	1245	29 S6	80 oct.P-line E,SSW.Rnwy data unver.
Winchester	3 SSE;hwy E,S	700	22 S6	80 oct.
Shenandoah	0.5 SW;hwy W		19 S1	Data unverified.
Orange County (Orange)	4 E;hwy S		20	Data unverified.
Covington	1 NE	1500	20 S4	80 oct. Unverified.

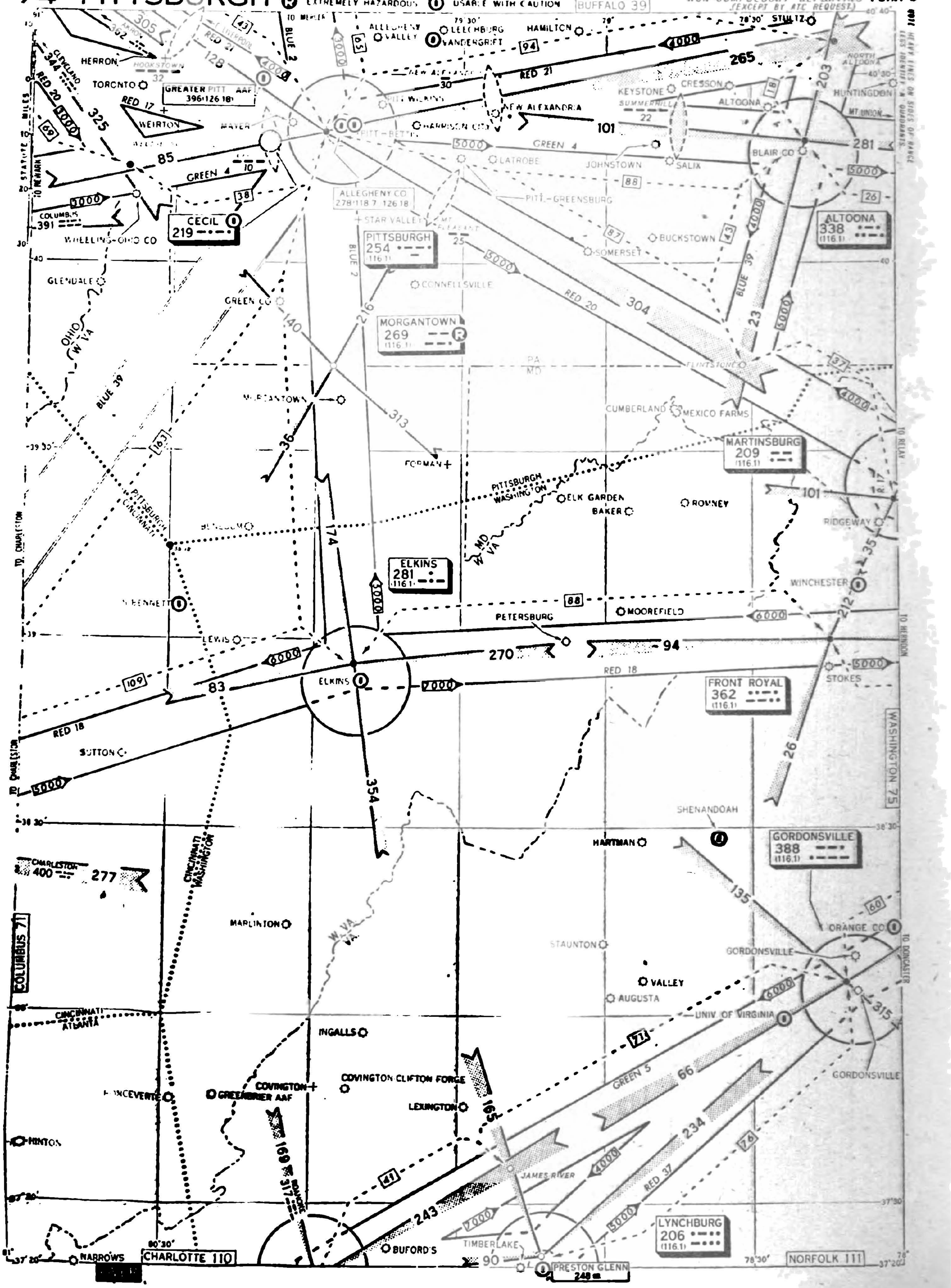
AIRPORTS — WEST VIRGINIA

Baker Airpark(Burlington	0.5 NNE;hwy S	740	19 S4	80 oct.
(P) Benedum (Clarksburg)	6 E;hwy S	1170	38h S6	80,91 oct.
(P) ELKINS	2.6 S;RR W	1965	45h R1 L5 S4	80,91 oct. No sto.
Forman (Terra Alta)	1 N;hwy W	2750	18 S4	80 oct.No sto.Data unver.
Glendale	0.5 WSW;bet RR & river	640	29 S6	80 oct.Trees N,S;pole line S.
(A) Greenbrier AAF (White Sulphur Springs)(A)	2 SW	1795	35h	
Hinton	4.8 WSW;RR E	2600	26 S4	80 oct. Pole line NNW.
Hinton-Alderson(Pence Springs)(NC)	1 E;riv,RR S	1520	26	Hill W,E.
Lewis (Buckhannon)	2.4 W;hwy N	1435	18 S4	80 oct.No sto.Hills sur fld.
Lewis Bennett(Weston)	3.2 N;RR E	996	37	Hill S;pole line WNW
Marlinton	1.5 NNE;RR SE	2475	21 S2	80 oct. Hill WNW
Moorefield	0.8 NE;RR W	980	26 S4	80 oct. Trees WNW.
(P) Morgantown	2.2 ENE;hwy NW	1254	36h R1 L3 S6	80 oct.
* Petersburg Int,29,CC-WA	1.2 WSW;riv N	945	27 L2 S4	80 oct. No sto.
Ridgeway (Bunker Hill)	2.3 SSW;RR E	600	20 S6	80 oct.No sto.Pole line SSW.
Romney	2.1 NNE;riv W	750	16 S2	80 oct.Mts WNW,ESE,SSE.
Ronceverte	2 N;hwy SE	2175	18 S2	80 oct.
* Sutton Int, 21, CC-WA	3.6 ENE;RR W	1264	32 L3	
Weirton(Hollidays Cove)	1.5 E		16 S6	80 oct. Data unverified.
(P) Wheeling Ohio County	7.5 NNE;riv W	1190	50h L5	All lgts prior req.
Elk Garden (W.Va.)	0.1 SSW;RR NW	2275	12 S1	80 oct. Pole line NW.
Herron(New Cumberland, W.Va)	4 NE;lake W	1250	17 S4	80 oct.Data unver.

74 PITTSBURGH

R EXTREMELY HAZARDOUS I USABLE WITH CAUTION BUFFALO 39

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)



WASHINGTON 75

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ : EXTREMELY HAZARDOUS Ⓞ : USABLE WITH CAUTION

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY 5° QUADRANTS.

HARRISBURG 242 (116.1)
MT. UNION 104
CARLISLE 18
HARRISBURG STATE 278
SYRACUSE 42
SWATARA VALLEY
OLMSTED AAF 396(126.18)
READING
LANCASTER MUN.
ALLENTOWN-BETHLEHEM
FOR DETAILS IN THIS AREA SEE CHART 78
YORK
LANCASTER
DU PONT 388
WASHINGTON 332 (116.1)
PHILADELPHIA 266 (116.1)
NEW CASTLE 350
NEW CASTLE CO. 219 118.5
PHILLIPS AAF 201(126.18)
BALTIMORE 278 (118.9)
MARTIN 317
MILLVILLE 365 (116.1)
DOVER AAF 396(126.18)
BALTIMORE 257 (116.1)
NAF. ANNAPOLIS 2870 (142.74)
NAS. PATUXENT RIVER 420
MCAS. QUANTICO 203
NAF. DAHLGREN 368(142.74)
NAS. PATUXENT RIVER 347 (142.74)
NAAS. CHINCOTEAGUE 221
NAAS. CHINCOTEAGUE 3295(142.74)
MARTINSBURG 209
GORDONSVILLE 388
FRONT ROYAL 362
RICHMOND AAB 396(118.7, 126.18)
RICHMOND 260 (116.1)
BLACKSTONE 371
NORFOLK 111
LANGLEY AFB 230
MT. VERNON 236
DONCASTER 25
DAWN 25
HERNDON 22
BELTSVILLE 18
ALEXANDRIA 2
NAS. PATUXENT RIVER APPROACH ZONE INCLUDES AIRSPACE UP TO 4000' ABOVE M.S.L.
TO NORFOLK
TO NAS, NORFOLK
OVER

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DOVER AAF	396 (126.18)	CA	(3);126.18 (7-19)
DUPONT ARPT. (Wilmington)	358	CI	3105,3117.5,5...2.5 (8-2(daily except Sunday)
NEW CASTLE	350 (NC)	SMRAZ	
→New Castle Co. (Wilmington)	219/118 .)	CI; 190,2.8	(4);118.3
COLUMBIA			
WASHINGTON	332(WA)(118.1)	SBRAZ-VDTX	(3); 116.1
MARYLAND			
ANNAPOLIS	257(...12.74)	CN	3105,2870,6420,142.74
BALTIMORE	257(...0)(118.1)	BMRLZ-VDT	(3); 116.1 (7-17)
Baltimore Mun. Airport	278 (118.9)	C; 120, 2.3	(4);118.9,131.9
BELTSVILLE FM	(-)	FM; 410,17.6	Washington, D.C.
DONCASTER FM	(. . . - - -)	FM; 209°,24.7	Washington, D.C.
MARTIN ARPT (Baltimore)	317	CI	(4)(8-sunset,Mon-Fri.)
MEEKINSNECK FM (Navy)	(-)	FM; 570, 16	Patuxent River
PATUXENT RIVER (Navy)	420 (NHK)	BMRLZ	(3); 142.74 (GCA)
Patuxent Riv.NAS	347 (142.74)	CN; 570, 4	(3); 142.74
PHILLIPS FIELD (Aberdeen)	201 (126.18)	CA	(3);126.18 (8-18 Mon.-Friday)
WEBSTER (Priest Point)	3345 (142.74)	CN	3105, 142.74 (24 hrs. adv. notice)
PENNSYLVANIA			
BOOTHWYN FM	(- - -)	FM, 2600,9.5	Philadelphia
CARLISLE FM	(- - - -)	FM, 2840, 18	Harrisburg
HARRISBURG	242(HX)(116.1)	SBRAZ-VDT	(3); 116.1
Harrisburg State Airport	278	C; 1180, 1.1	(4); 116.1,131.9,
MIDDLETOWN FM	(- -)	FM, 1180, 9	Harrisburg
OLMSTED FIELD (Middletown)	396 (126.18)+	CA	(4); 126.18
PHILADELPHIA (Southwest Arpt)	266(PG)(116.1)	SBMRAZ-VDT, 970, 3	(4); 116.1
SEVEN VALLEYS FM	(- - -)	FM, 1720, 25	Harrisburg
VIRGINIA			
ALEXANDRIA LFM	(- - -)	LFM,2060,2.4	Washington, D.C.
CHESTER FM	(- -)	FM, 2180,9.15	Richmond
CHINCOTEAGUE (Navy)	221 (NKZ)	MRLZ	3105,4495;142.74
Chincoteague NAAS	3295 (142.74)	CN; 980, 4.5	(3); 142.74
DAHLGREN NAF PROV. GROUNDS	368 (142.74)	CN	(3); 142.74 (8-16 except Sunday)
DAWN FM	(- - - -)	FM, 30, 25.1	Richmond
HERNDON FM	(- - - -)	FM, 3170, 21.8	Washington, D.C.
MOUNT VERNON FM	(. . - - -)	FM, 2090,8.2	Washington, D.C.
QUANTICO MCAS (Navy)	203 (NYG)	MRLZ 2000,4.6	3105,4495
RICHMOND	260(RW)(116.1)	SBRAZ-VDT	(3); 116.1
Richmond AAB	396 (126.18) (118.7)	AC(ILS);200,1.9	(4);131.9,118.7,126.18
→MILLVILLE, N. J.	365 (NV) (116.1)	SBRA-DTV,144°, 4.3	(4);116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Richmond AAB, Va.	109.9		630 Mag.	IM- (17)	MM- ....(7.90)	OM- - -(4.50)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.
+ — Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page X[[[) NC (not charted) → New or revised data.

DELAWARE

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellanca (New Castle)	1.5 W	30	25h L1 S5	80,91 oct. Poles N.
Biggs (New Castle)	1 NW,riv SE	60	21 S2	80 oct. Riv. S
Bridgeville	1.5 S	20	27 S6	80 oct.Data unver.
Dover	1.4 ENE	34	19 S2	80 oct.Poleline N
Dover Airpark	2.2 N,rd W	37	25 S2	80 oct. (See Spl Not.)
(A) Dover AAF (A)	4 SE,hwy E	28	70h R1	IMP INACT NO FACS
DuPont(Seaford)(NC)	0.8 WSW,RR NE	25	21	Poles NE PRIVATE, RESTRICTED
DuPont (Wilmington)	3 WNW,RR E	185	29 R1 L4 S4	80 oct.No sto.
(P) Georgetown	1.5 E,RR NW	51	50h	
(P) New Castle County (Wilmington)	4.8 SW,hwy SE	75	70h R2 L5 S1	80, 91 oct.
Rehoboth Beach Air-crafters	2.5 W,hwy N	10	35 L S6	80,91 oct.Obsts sur fld. Port rnwy lgts.
Skycraft (Wilmington) (NC)	3 NE,rd N	250	15	Poles N,W,S,trees NW, SE
Sussex (Frankford)	1 N		24 S4	80 oct.Data unver.

MARYLAND

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aldino (Churchville)	2.2 NE,RR SE	300	20 S6	80 oct.
Andelot(Worton)(NC)	4 WNW,bay W	25	20	Trees N
Annapolis	2 SE		18h S4	80,91 oct.No sto.Data unver.
(P) BALTIMORE MUN.	6 SE,RR NE	14	46h R2 L5 S6	80,91 oct;100 oct prior
C.A.P. Base (Westminster)	2.6 N,hwy E	780	20 S4	80 oct. req Rdo rqrd. Poleline E,NE
Delmarvia(Salisbury)	2.8 NE,hwy W	45	21 S6	80 oct.Poleline N,E,NE
(P) Easton	2.2 N,RR E	66	40h L S4	80 oct.No sto.Port lgts.
(A) Edgewood Arsenal(A)	1.3 S	18	50h L5 S4	91,100 oct.No hgn.CLSD
Faybrook(Rock Hall)	1.5 NNW,bay W	20	14 S4	80 oct.Trees WNW, NNE
Glenburnie-Whipp	1 E,hwy W	56	26 S6	80 oct.Seaplane Anchor
Hagerstown	4.2 N,RR W	700	39h L3 S4	80 oct Fld lgts prior req
Hickman(Ocean City)	7.5 NW, riv S	15	28 S4	80,91 oct.Data unver.
Lee Annapolis(Annapolis)	4.8 WSW, hwy E	30	28 S1	75 oct.Pole line ESE
Martin(Baltimore)	10 E,RR N	18	70h R1	PRIVATE.
(N) Patuxent River NAS(N)	2.9 NE Jarboes	38	97h R2 L6 S4	91,100 oct.JP-1.NATS
(A) Phillips(Aberdeen)(A)	3.2 S,RR W	57	50h R1 L5 S1	91,100 oct. CLOSED
Pimlico (Baltimore)	6 NW,hwy SW	449	32 S6	80,91 oct.
(N) Piney Point (N)	0.8 WNW	10	14h S1	75 oct.Use rnwys only.
Rutherford(Baltimore)	7 W,RR W	500	23 S6	80 oct. Twr N.
Salisbury	5.3 ESE	52	50h	
Shady Side (NC)	1.8 SSW	10	15	Poleline SSW RR W
Stevens (Frederick)	5.8 N,hwy E	440	28 S6	80 oct.Trees SW,S,W
Taneytown	2.9 WNW	500	20 S4	80 oct.Poleline S,SW,W
Webb (Easton)	2.5 E	50	26 S6	80 oct.No sto.Poleline
(N) Webster (Priest Point) (N)	1.5 W Ingoes	21	50h R1 S1	Ltd 100 oct. S,SE, JP-1 on req

NEW JERSEY

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alexandria (Pittstown)	2 WNW,IP NE	340	18 S4	80 oct No sto. Trees NW
* Buck's (Bridgeton)	3.7 NNE,RR S	100	18 S4	80 oct P-line S,W
Greenwich	2.5 W,riv SW	30	21 S6	73,80 oct.Trees N.
Kroelinger(Vineland)	2.5 NNW,RR E	100	19 S6	80 oct.Poleline S,E.
(P) Millville	3.3 SW,lk N	68	50h R1 L5 S6	80,91 oct.
Penns Grove	3 SE,riv W	10	22 S2	73 oct.Poleline W,SSW
→Salem	2 ESE,rd S	15	22	CLOSED
Woodstown (Auburn)	1.5 SSE,RR E	100	20 S1	80 oct.Poleline N,NE.

PENNSYLVANIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ALLENTOWN-BETHLEHEM (Allentown)	4.6 NNE,RR NW	380	40h R1 L5 S6	80,91 oct.Use rnwys only.Fld lgts prior req.
Berks (Reading)	4.5 NW, hwy SW	360	23 S4	80,91 oct.Hill NW.
Bethlehem-Easton (Easton)	4.5 SW,riv S	360	23 S6	80,91 oct.No sto.Poleline sur fld.
Cargill (Granville)	1.5 SW,RR SE	490	23 S2	73 oct.Obsts sur fld.
Carlisle	1.8 WSW,RR N	480	23 S6	80 oct.
Centerville(Carlisle)	11.3 SW,RR N	660	23	Trees E, NE. (NC)
Chambersburg	1.2 SSE,RR SW	650	22 S6	80 oct.E/W strip rough
Coatesville	1.6 W,RR S	623	26 L1 S4	80 oct.Obsts sur fld.
Convair(Allentown)	3 SSW	399	40h	
Devener(Hanover)	2 NNE,hwy W	590	20 S6	73,80 oct.
Doersom(Gettysburg)	2.4 NW,RR N	590	19 S6	73 oct.Pwrline NE.
Estler(Mohrsville)	3.5 W,pond W	390	22 S6	Ltd 80 oct.Trees W.
Fogelsville	0.7 E,RR SE	460	22 S4	80 oct.No sto.P-line SW

PENNSYLVANIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gettysburg	2.8 NNW	600	24 S3	80 oct.No sto.RR SW
HARRISBURG STATE	3.5 S,RR N	344	40h R2 L5 S6	80,91,100 oct.
Hershey	1.1 NNW,RR S	415	21 S2	80, 91 oct.
Kutztown	1.5 S,RR SE	400	25 S4	73 oct.
Lancaster	1.5 NNW	320	26 S6	73,80 oct Pwrline W,RR
Lancaster,35,CO-PG	5.5 N,hwy W	385	27h L4 S4	80 oct.Poles S,WSW	SW
Layfield(New Hanover)	2 NE,hwy W	320	17 S6	80 oct.Trees NE
Lebanon Co.(Myerstown)	1.8 W,hwy S	525	17 S5	80 oct.
Lewistown	4 SW,riv SE	560	19 S6	80 oct.Wooded hill NW
Madeira (Reading)	3.2 N,RR W	360	20 L S6	80 oct.Port flood lgts
(P) Mount Union	4 S,hwy E	560	30 S4	80 oct.
New Hanover	0.5 W,hwy SE	320	20 L S4	80 oct.Port flood lgts.
(A) Olmsted(Middletown) (A)	1 W,RR N	300	50h R1 L5 S6	62-100 oct JP-1.Poles N, NE. Riv. S
Penn-Harris(Harrisburg)	4 ESE,RR N	400	18 L S6	80,91 oct.Flood lgts.
Philadelphia Main Line (Paoli)	2.8 WNW,hwy S	310	21 S4	No fuel.Pole line ESE.
Pottstown	4.5 E,hwy N	311	30 S6	80 oct Bldg NW
READING	3 NW,riv E	342	52h L6 S6	B-2 lgts prior req
Reigel(Campbelltown)	1 N,hwy N	475	20 S4	80 oct.
Schuylkill(Pottsville)	8.3 ESE, lake SE	510	29 L S6	80 oct.Port rnwy lgts. Hills SW,E,NE
Smilin Jack (Douglassville)	1.3 NW,RR S	200	24 S4	80 oct.
Sunset Airways (Chambersburg)	3.5 NNE,rd E, S	650	25 S1	80 oct.Pole line E,NNW
Swatara Valley (Pine Grove)	4 WSW,RR N	480	21 S4	80 oct.
Taylor(New Kingston)	0.5 SE,hwy N	440	28 S6	80 oct Pole line N
Valley Arpk (York)	3 ENE,RR N	420	21 S6	80 oct.Poles SSE,NNW
Waynesboro	3 SE,hwy N	700	20h S6	80 oct.
Womelsdorf	3 NW,hwy E	540	13 S1	73 oct.
York	8.3 WSW,RR E	500	19 L S6	73,80 oct.Floodlgts Pole N

VIRGINIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Blue Ridge(Herndon)	4 WSW,hwy NE	280	30	Poleline E.
Central (Richmond)	2.5 ENE,RR W	172	45 S6	80 oct.Poles WNW,SE
(N) Chincoteague NAAS	4.3 WNW,hwy S	38	60h R2 L5 S4	100 oct. (N)
(N) Dahlgren NAF Proving Grounds (N)	0.5 E	20	40h R1 L5 S2	100 oct. CLOSED.
Harcum (NC)	0.2 NW	85	35	Poles,trees sur fld.
Hermitage(Richmond)	3.2 NNW,RR W	200	20 S6	80 oct.Trees,poles E,W
Hummel (Greys Pt.)	3 NE Harmony	30	21	Obsts sur fld. (NC)
Kellam(Wallwood)	0.3 SW,RR E	15	20 S1	73 oct.Trees NE,SE
Leesburg Airpark	0.7 ESE	280	26 S6	80 oct.Poleline NE.
* Lively Int,6,NW-WA	3.4 WSW,riv W	15	34 L3	35 trees,bldgs NW.
Manassas	2.7 NW,RR S	250	21	Pole line SW,SSE
Melfa Figt Strip	1.3 W	48	70h	
Midway (Chester)	2 E,hwy S	178	26 S2	80 oct.20-50' trees E.
* Milford Int,49B,AG-LG	1.5 S,RR W	134	26 L3	40 trees S,NE,SW.
Northfield(Richmond)	3 N,hwy W	197	20 S4	80 oct.
Parksley	0.6 WNW	25	18 S4	80 oct.
(A) RICHMOND AAB(A)	7.3 ESE,RR S	167	50h R3 L5 S4	73,100 oct.
Shannon(Fredericksburg)	1.6 SSE,riv E	50	23 S6	80 oct.
Tappahannock Figt Strip	0.8 W	30	40h	8000' strip avail.
West Point	2.3 ESE	24	50h S4	80,91 oct.Riv SSW.
Zieger(Warrenton)	3.7 S,hwy NE	440	20 S2	80 oct.Hill W, NW.

WEST VIRGINIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Martinsburg	4 S,hwy W	550	50h R1 L5 S6	80, 91,100 oct.
North End (Martinsburg)	2.5 NNE,RR W	515	28 S2	80 oct.Pole line N.
Currell's (Weems,Va	1 N,jct of rivs		17 S1	80 oct.P-line SE.Use strips only. Data unver.
Harrington (Del.)	1.8 E; RR W	50	25	
Kent (Worton,MD)	1 N; RR S	60	23 S2	80 oct.
Johnson(Ononcock,Va)	1 ESE;RR E	34	22 S1	80 oct.
West Chester (Pa.)	2.5 NE;lake S	470	32 S4	80 oct.
Aberdeen Arpk(Md.)	1 SW		21 S4	80 oct. Data unver.
→Frederick City (Frederick,Md)	1.8 E;riv N,E	305	40	

RADIO

DIST. OF COLUMBIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANACOSTIA NAS (Washington)	251(142.74)	CN	(3);142.74(7-sunset and on req.)
BOLLING FIELD (Washington)	219(126.18) (137.[illegible])+	CA	(3);126.18,[illegible]
WASHINGTON	332(WA)(116.1)	SBRAZ-VDTX	(3);116.1
Washington Nat'l Arpt.	278(126.18) (118.5)	AC(ILS);25°,0.9	(4);118.5,126.18,131.9

MARYLAND

ANDREWS FLD (Camp Springs)	317(126.18)+	CA	(3);126.18 (GCA)
BELTSVILLE FM	(-)	FM, 41°,17.6	Washington, D. C.
DONCASTER FM	(. . . - - -)	FM, 209°,24.7	Washington, D. C.

PENNSYLVANIA

BOOTHWYN FM	(- - -)	FM, 260°,9.5	Philadelphia
HOLMESBURG LFM	(- - -)	LFM, 238°,6.5	NE Philadelphia
JOHNSVILLE AIRPORT	203 (142.74)	CN	3105 cont,4495,6210;116.1,126.18, 140.58,142.74 on req (8-1/2 hr past sunset)
MUSTIN NAAF (Philadelphia)	251(126.18) (142.74)	CN	(3);126.18,142.74 (7-sunset,other hrs req on request.)
PHILADELPHIA (SW Arpt)	266(PG)(116.1)	SBMRAZ-VDT;97°,3	(4); 116.1
Philadelphia NE Arpt	278	CI	(4)
Philadelphia SW Arpt	278 (118.1)	CI	(4);118.1
NE Philadelphia Range (Phil. NE Arpt)	371 (NP)	MLWZ-DT,238°,2.8	
WILLOW GROVE (Navy)	391 (NXX)	MRLZ	(3); 142.74
Willow Grove NAS	356 (142.74)	CN; 241°,3.35	(3);142.74 (days only except on 1 hr advance notice)
WINGS FIELD (Ambler)	278	CI	3105 (9-17)

VIRGINIA

ALEXANDRIA LFM	(- - -)	LFM,209°,2.4	Washington, D. C.
HERNDON FM	(- - - -)	FM, 317°,21.8	Washington, D. C.
MOUNT VERNON	236 (W)	FMK, 209°,8.2	Washington. D. C.
MOUNT VERNON FM	(. . - - -)	FM, 209°,8.2	Washington, D. C.
QUANTICO (Navy)	203 (NYG)	MRLZ	3105, 4495
Quantico MCAS	3295(142.74)	CN; 20°,4.6	(3); 142.74

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
WASHINGTON, D. C.	109.9	333.8	360° Mag.	IM ·····(.03)	MM	OM --(3.60)
					MMK	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. **Parenthetical Numbers in Frequency Column Indicate VHF Voice.**

\+ - Army **A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.**

AIRPORTS

DIST. OF COLUMBIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Anacostia NAS(Washington)	2.4SE Monument	8	50h R1 L5 S4	100 oct. No bcn. (N)
(A) Bolling(Washington)(A)	3 SSE Monument	20	60h R1 L5 S6	73,100 oct.JP-1.Ridge E.
(A,N) WASHINGTON NATIONAL	2 S Monument	17	69h R3 L6 S2	80,91,100 oct.JP-1 req. Rdo rec. rqrd.730'Rdo Twr.6.2 NW. FOREIGN CLEARING STA.

MARYLAND

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Andrews (Camp Spring)(A)	1.5 E	279	55h R1(L6)S4	80,100 oct. JP-1
(N) Beltsville OLF (N)	5 ESE	180	40h	Fld open 0900-1530 daily
Capital (Berwyn)	2 NW; RR E	70	20 S4	80 oct. Pole line S.
College Park	8.5 NE of D.C	50	22 S6	80 oct. Hill SE. RR NW.
Columbia Air Ctr (Croom)	3 E; RR W	40	20	Trees N,NNW
Congressional (Rockville)	2 SSE;hwy E	450	32 S6	80 oct. Pole line E,NE.
Curtis (Brandywine)(NC)	3 SSW;RR E	200	18	Pole line N,W.
Erco (Riverdale)	0.4 NE; RR W	50	38 S1	80 oct. Trees E,NE,SW.

MARYLAND

AIRPORT — CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(A) Pt. Meade (A)	0.5 NE ctr res	180	20h	
Hyde (Clinton)	2 WSW	249	32h S6	80,91 oct. Trees WNW,NE.
Maryland (Pomonkey)	0.2 S; RR S	170	30 S1	80 oct.
Queens Chapel (Hyattsville)	1.5 W; hwy NE	34	19 S6	80 oct.
Schrom (Greenbelt)	0.3 SW; hwy W	177	27h S6	80 oct. Trees NW,SE.

NEW JERSEY

Almonesson	0.6 NNW	50	18 S6		73 oct. Pole line NNE,SSE.
Bridgeport	0.8 ESE; RR N	23	18 S4		80 oct.
Burlington Airpark	1.7 NE		24 S4		80 oct. No sto.Data unverified.
Central (Camden)	1.8 E;riv S,W	20	25h		Open to private flying.
Echelon (Ashland)	0.5 SE;RR W	100	27 S6		80,91 oct. Pole line NW.
MARLTON-MEDFORD INC (Marlton)	1.5 ENE	80	30 S2		80 oct.
Mercer County,new (Trenton)	5 NW; RR SE	211	40h		
Mercer County, old (Trenton)	5.8 NW;RR E	200	25 S1		73,80,91 oct.
Merrill (barrington)	1 ESE; RR E	70	35 S6		80 oct.No sto.Obsts sur fld.
Moorestown	1 NNE; RR S	70	18 S4		80 oct. Trees N.
Pitman	1.6 NNW;RR E	100	17 S6		80 oct. Pole line S,SSW.
Triangle (Glassboro)	4.3 ENE	150	18 S2		80 oct. Pole line SW.

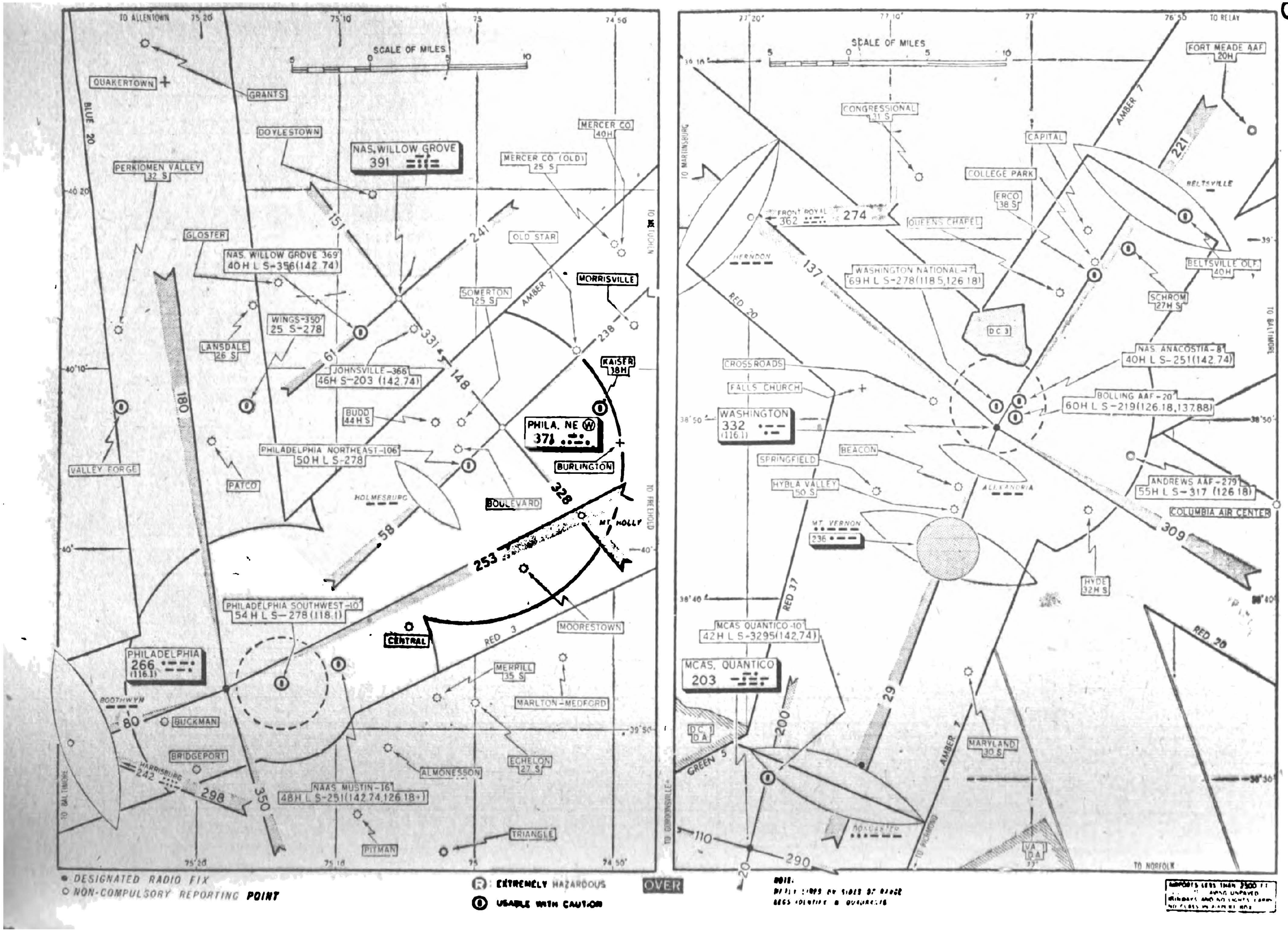
PENNSYLVANIA

Boulevard (Philadelphia)	12 NE; RR SW	160	22 S4		80 oct. Obst sur fld.
Buckman (Chester)	2.3 WSW;RR NW	90	20 S4		80 oct. No sto.
Budd (Philadelphia)	12.5 NE;RR N	240	44h		
Doylestown	1.5 NNE;RR SW	400	22 S6		80 oct.
Gloster (Montgomeryville)	0.7 SE;hwy W	460	22 S1		80 oct. Pole line SE,S,W.
Grants (Quakertown)	4 WNW; hwy E	600	18 S6		80 oct.
(N) Johnsville	0.8 NW; RR E	366	46h R1 S4		91,100 oct. Res't to Navy.
(N) Kaiser (Bristol)	2 N; riv SE	35	38h		Pole line SW. RESTRICTED.
Lansdale	1.6 ESE;hwy SE	450	26 S6		80,91 oct. No sto. Poles NE.
Morrisville	1.6 W;riv E	180	28 S4		80 oct.
(N) Mustin NAAS (Philadelphia)	4 S; riv S	16	48h R1 L5 S6		100 oct. Pole line NE,NAFC.(N)
Old Star (Langhorne)	2.4 E; RR N	180	24 S5		80 oct.No sto. Poles N,S.
Patco (Norristown)	2.5 SE;bet RRs	200	19 S6		80,90 oct. No sto.
Perkiomen (Collegeville)	1.5 NE;rds NE	280	32 S6		80 oct. Obsts sur fld.
(F) Philadelphia Northeast	12.2 NE;hwy W	106	50h R2 L5 S1		80,91 oct.Rdo req.
" SOUTHWEST	6.5 SW;riv SW	10	54h R2 L6 S6		82,91 oct. Rdo rec req.
Somerton (Philadelphia)	14 NE;RR N,E	200	25 S6		80 oct. Poles N,S,W.
Valley Forge (Norristown)	4 WNW;riv NW,SE	250	24 S6		80 oct.
(N) Willow Grove NAS (N)	4 NNW; hwy E	369	40h R2 L5 S4		91,100 oct. No sto.NAFC.NATS.
Wings (Ambler)	3 WSW;rds E,W	350	25 R1 S6		80,91 oct. Trees N,S.
Quakertown	hwy E	511	21 S6		80 oct. Data unverified.

VIRGINIA

Beacon (Alexandria)	3 SSW;hwy E	240	24 L1 S6		80 oct.No sto. Pole line S.
Crossroads (Alexandria)	4.5 NW;RR E	250	20 S1		Ltd 80 oct.
Falls Church Airpark	1.9 SW	350	26 S6		No sto. Data not verified.
Hybla Valley (Alexandria)	4.5 SSW;hwy E	66	50 S6		80 oct. Trees,pole lines sur fld
(N) Quantico MCAS (N)	1.2 SSW;RR W	10	42h R2 L5 S6		73,91,100 oct. NATS.
Springfield (Annandale)	3.5 SSE;RR E,N	240	20 S4		80 oct. No sto. Obsts sur fld.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA



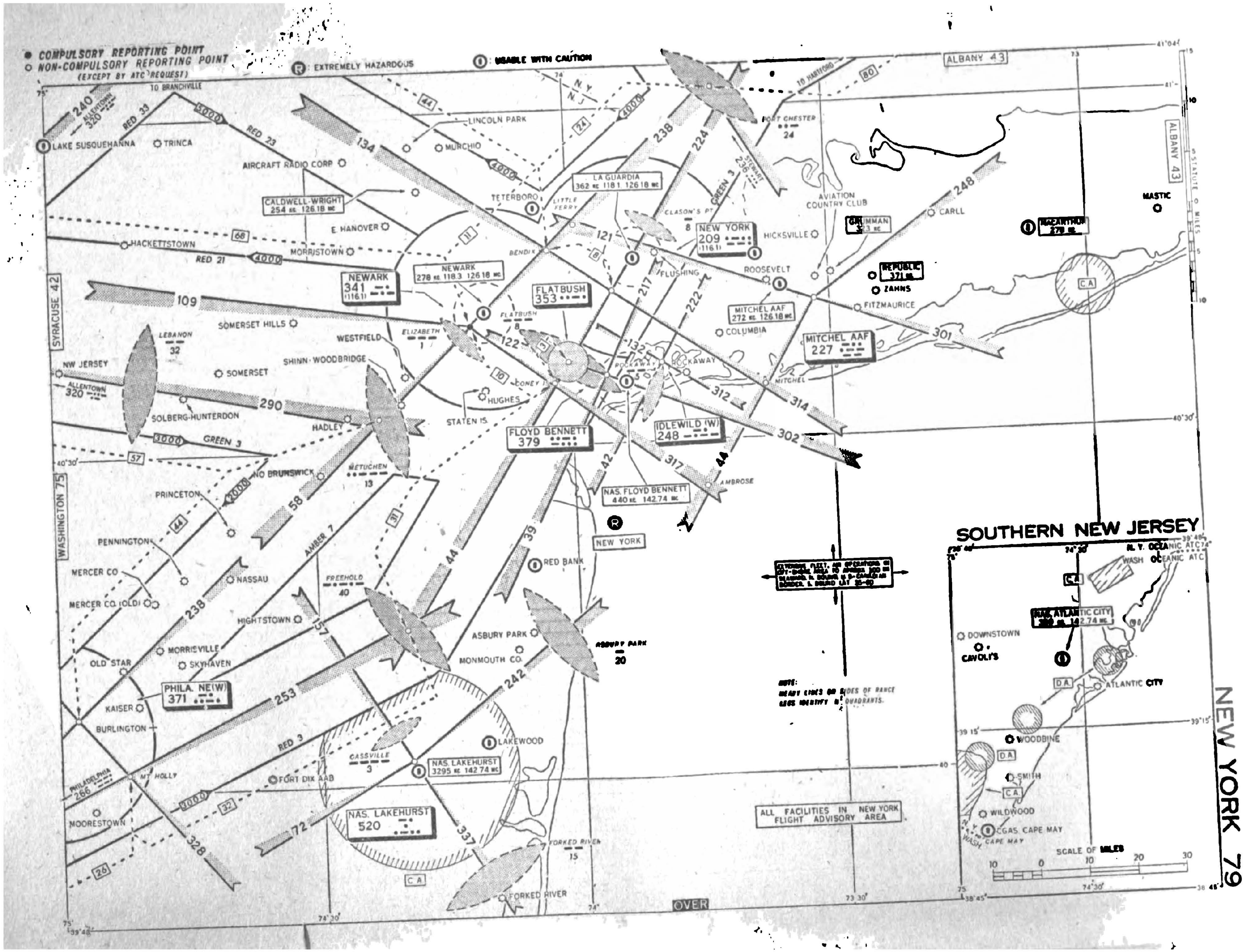
• DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

OVER

NOTE:
DETAILS SHOWN ON SIDES OF RANGE
AREAS ADJACENT TO QUANTICO

AIRSPACE LESS THAN 2500 FT
AMSL UNPROVED
HINDERS AND OBSTACLES FROM
SURFACES IN PARTICULAR


COMPULSORY REPORTING POINT
NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
SOUTHERN NEW JERSEY
NEW YORK 79
ALL FACILITIES IN NEW YORK FLIGHT ADVISORY AREA
OVER
SCALE OF MILES
LAKE SUSQUEHANNA
TRINCA
AIRCRAFT RADIO CORP
LINCOLN PARK
MURCHIO
TETERBORO
LA GUARDIA
362 KC 118.1 126.18 MC
CALDWELL-WRIGHT
254 KC 126.18 MC
E HANOVER
HACKETTSTOWN
MORRISTOWN
NEWARK
341
NEWARK
278 KC 118.3 126.18 MC
FLATBUSH
353
NEW YORK
209
HICKSVILLE
ROOSEVELT
MITCHEL AAF
272 KC 126.18 MC
MITCHEL AAF
227
REPUBLIC
371 MC
ZAHNS
FITZMAURICE
CARLL
MASTIC
AVIATION COUNTRY CLUB
PORT CHESTER
SOMERSET HILLS
LEBANON
SOMERSET
WESTFIELD
ELIZABETH
SHINN-WOODBRIDGE
NW JERSEY
ALLENTOWN
SOLBERG-HUNTERDON
HADLEY
HUGHES
STATEN IS.
FLOYD BENNETT
379
IDLEWILD (W)
248
NAS. FLOYD BENNETT
440 KC 142.74 MC
NEW YORK
RED BANK
AMBROSE
NO BRUNSWICK
METUCHEN
PRINCETON
PENNINGTON
MERCER CO
MERCER CO (OLD)
NASSAU
FREEHOLD
HIGHTSTOWN
MORRISVILLE
OLD STAR
SKYHAVEN
ASBURY PARK
MONMOUTH CO.
ASBURY PARK
PHILA. NE(W)
371
KAISER
BURLINGTON
PHILADELPHIA
266
MT HOLLY
FORT DIX AAB
CASSVILLE
NAS. LAKEHURST
3295 KC 142.74 MC
LAKEWOOD
NAS. LAKEHURST
520
MOORESTOWN
FORKED RIVER
FORKED RIVER
WASH OCEANIC ATC
NAS ATLANTIC CITY
DOWNSTOWN
CAVOLI'S
ATLANTIC CITY
WOODBINE
SMITH
WILDWOOD
CGAS CAPE MAY
WASH CAPE MAY
ALBANY 43
SYRACUSE 42
WASHINGTON 75
10 BRANCHVILLE
10 HARTFORD
240
320
RED 33
RED 23
RED 21
134
109
290
GREEN 3
58
AMBER 7
238
253
RED 3
328
72
44
39
42
217
222
224
248
301
312
314
302
317
337
242
121
122
132
NOTE:
HEAVY LINES ON SIDES OF RANGE
RINGS INDICATE 0° QUADRANTS.

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
NEW JERSEY			
ASBURY PARK FM	(-)	FM, 62°, 20	Lakehurst NAS.
ATLANTIC CITY NAS	359 (142.74)	CN	(3); 142.74 (8-sunset)
CALDWELL-WRIGHT	254 (126.18)	CI	(4);126.18(8:30-sunset,Mon.-Sat. 9-sunset Sun.)
CASSVILLE FM (Navy)	(- - - -)	FM,337°,3.25	Lakehurst NAS
ELIZABETH LFM	(- - -)	LFM, 238°, 1.4	Newark
FORKED RIVER FM (Navy)	(- -)	FM, 157°, 15	Lakehurst NAS
FREEHOLD FM	(- . - . -)	FM, 224°, 40	New York, N.Y.
LAKEHURST (Navy)	520 (NEL)	MRLZ	3195 (4495 on req)
Lakehurst NAS	3295 (142.74)	CN; 157°, 0.7	(3); 142.74
LEBANON FM	(- -)	FM, 110°, 32	Allentown, Pa.
METUCHEN FM	(. . - - -)	FM, 238°, 13	Newark
NEWARK	341 (NK)(116.1)	SBRAZ-DTV	(3); 116.1
Newark Airport	278(126.18,118.3)	AC(ILS);58°, 1.0	(4); 131.9,126.18,118.3
TETERBORO (Bendix)	317	CI	3105,6210,3117.5
NEW YORK			
CLASON'S POINT LFM	(-)	LFM, 44°, 7.5	New York
FLATBUSH	353 (F)	FMK, 224°, 8.3	New York
FLATBUSH FM	(- - -)	FM, 224°, 8.3	New York
→ FLOYD BENNETT (New York)	379 (FB)	SMRLZ-DT	(3)
Floyd Bennett Fld NAS	440 (142.74)	CN, 122°, 1.9	(3);142.74 (8-17) (GCA)
GRUMMAN (Bethpage, L.I.)	323	CI	(8-1630,Mon.-Fri.)
IDLEWILD	248 (NY)	SMRLW, 72°, 2.3	
LA GUARDIA (N.Y.)	362(126.18,118.1)	AC (ILS)	(4);126.18,118.1,Airline freqs
MacARTHUR FIELD (Islip)	278	CI	3105 (9-17 weekdays,ngt.&
MITCHEL (Hempstead)(Army)	227 (DWM)	SBMRAPZ-DT	(3) Sunday if important)
Mitchel Field	272 (126.18+	CA(ILS);301°,3.2	(3); 126.18
NEW YORK (La Guardia)	209 (LG) (116.1)	SBMRAPZ-DTXV;44°, 3.4	(3); 116.1
PORT CHESTER FM	(. . -)	FM, 44°, 24	New York
REPUBLIC FIELD (Farmingdale)	371	CI	(3)(days)
ROCKAWAY PARK LFM	(- -)	LFM, 122°, 5	Floyd Bennett
PENNSYLVANIA			
PHILADELPHIA NORTHEAST	371 (NF)	MLWZ-DT;238°,2.8	

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
La Guardia, N.Y.	109.9		44° Mag.	IM- (.05)	MM- (.81)	OM- (3.40)
					MMK- 233 --- (.81)	OMK-
Mitchel (L6), N.Y.	110.3	335	300° Mag.	IM- (.06)	MM- ..... (.81)	OM- -- (4.03)
					MMK-257 -- (.81)	OMK-80 --- (4.03)
Newark (L5), N.J.	109.5	332.6	58° Mag.	IM-	MM- (.59)	OM- (3.8)
					MMK-201 ----- (.59)	OMK-215 -- (3.8)
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical numbers in Frequency Column Indicate VHF Voice. ┼ Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
NEW JERSEY				
Aero-Marine Terminal (Keyport)	1 NE;RR S	10	15	Bldg SW.Hwy S. (NC)
Acft.Radio Corporation (Boonton	2.6 N;riv S	550	32	Poles N,E.PRIVATE.
Asbury Park Air Terminal	4.5 W;rd N	100	21 S4	80 oct. 125' tank E.
Atlantic City	1.3 WSW;RR N	11	31 S2	80,91 oct.Ltd sto.350' tank E,lgtd.
(N) Atlantic City NAS (N)	10 NW;RR NE	70	50h R1 L5 S4	91,100 oct.Lgts prior req.
Caldwell-Wright	2.4 N;riv N	175	47h R1 L1 S1	Rest'd to factory operations.
(CG) Cape May CGAS (CG)	2.5 ENE	13	35h	CLOSED.
Cavoli's (Richland)	1.5 W;RR N,E	100	20 S4	80 oct. Pole line NNE.No sto.
(N) Clarke (Ocean City)	2.8 SW;RR SE	8	23	Naval tow target practice.
Coyle (Chatsworth) (NC)	6 ESE;hwy NE	190	18	
Downstown (Landisville)	1.8 WNW;RR S	120	23 S1	80 oct. Pole line N.
East Hanover	1 N	170	15 S2	80 oct. Pole line W.
Forked River	1 ESE;riv S	12	18 S4	80 oct.Rnwy data unver.
(A) Ft. Dix AAB (Wrightstown)(A)	1 SE	120	81h	TMP INACT.NO FACS.(See Spl Not)
Hackettstown	2 SSW;RR N	560	30 S2	73, 80 oct.
Hadley (New Brunswick)	4 N;RR N	100	27 S6	80 oct.
Hightstown & Air Service	1.3 SW;RR W	110	19 S6	80 oct.
(N) Lakehurst NAS (LTA) (N)	1 NNW;riv N	94	38h R2 L5 S4	91,100 oct.
Lake Susquehanna (Blairstown)	2.3 WSW;RR S	380	28 S6	80 oct.
Lakewood	2.5 SE;lake NW	26	S4	80,91 oct. Data unver.
Lincoln Park	1.5 N;RR W	180	23 S1	80 oct. Pole line N, SE.
Mercer Co. (Trenton)(new)	5 NW;RR SE	211	40h	
Mercer Co. (Trenton)(old)	5.8 NW;RR E	200	25 S1	73,80,91 oct.
Monmouth Co. (Belmar)	5.5 W;rd E	180	30 S5	80 oct.
Morristown	3 E;RR N	187	40h L5 S4	80 oct. No sto.
Murchio (Paterson)	4.5 WNW;rd N	350	32 S4	80 oct. Trees N
(A) NEWARK	3.5 SSE;RR E	10	79h R3 (L5) S6	80,91 100 oct.JP-1.No sto.2-way rdo rqrd. FEE
North Brunswick	2 SW;RR E	120	25 S2	No fuel.Poles ENE,ESE.
Northwest Jersey (Clinton)	3.5 W;RR S	380	19	Poles N,S.
Ocean Co. (Adamston) (NC)	1 SW;riv N	14	21	Obsts sur fld.
Pennington	2 ESE;RR W	230	20 S6	80 oct.No sto.Pole line ESE.
Princeton	3 N;riv E	160	27	Pole line E,ESE.
Red Bank	1 S;RR E	80	25 S6	80,91 oct. Pole line W.
Shinn-Woodbridge (Woodbridge)	3.5 NW;RR E	120	21 L S4	73,80 oct.Pole line SE.
Smith C.H. (Cape May)	2.2 NE;RR W	20	19	Pole line WNW.
Solberg-Hunterdon (Readington)	1 NNW;rd E	200	50 L S6	80,91 oct. Data unver.
Somerset (Somerville)	4.6 NW;RR SE	105	20 S5	80,91 oct. Trees W.
Somerset Hills (Basking Ridge)	1.6 SE;RR S	250	24 S6	80 oct. Pole line W.
Teterboro-Air Term.(Bendix)	0.5 SW;RR NW	5	30h R1 L4 S6	80,91 oct.No bndry lgts.Rnwy data unver
Trenton (NC)	6 NE;RR 1 SE	70	15	Restricted to USFS.
Trinca (Andover)	2 WSW;RR E	600	24 S6	73 oct.
Westfield (Rahway)	2 W;lake N	100	24 S4	80 oct. No sto. Trees SW,W,N,S.
Wildwood	6 WNW;RR E	22	50h	Obsts S.
(P) Woodbine	2 SE	39	25h	Trees sur fld. At jct of RRs.
NEW YORK				
Bender's-Brentwood (Brentwood)	1 ENE;RR N	85	10	CAUTION - construction. (NC)
Carll Skyport (Commack)	1 S;RR N,S	140	24 S1	80 oct. Trees S,SE.
Columbia (Valley Stream)	1 SW;RR N	15	29h	
Davis Flight Strip(Bayport)(NC)	1.3 NNW;RR S	40	22	
Deer Park (NC)	0.8 ESE;RR N	75	10	Trees adj E.Pole line W.
Donovan Hughes (Greenridge)	1 N;crks S,W	10	17 S1	80 oct.
East Hampton	2.5 W;RR S	40	25 S4	80 oct. No sto.
Fitzmaurice(Massapequa)	1.5 ENE;RR S	36	14 S6	80 oct. No sto.Trees N,S.
(N) Floyd Bennett NAS (New York)	11.8 SSE	17	50h R2 L6 S4	91,100 oct. No sto. No bcn. (N)
Flushing	1.5 NNW;pkwy E	4	32 L S4	80 oct.P-line W,SW.Port rnwy lgts
Grumman (Bethpage)	0.5 W;RR NE	115	54h R1 S5	91,100 oct.Poles SW,SE. prior req.
Hicksville Airpark	2.4 N;RR E	190	20 S4	80 oct. Rnwy data unver.
(N) LA GUARDIA (New York)	5 E;riv N	19	60h R3 L6 S1	73,100 oct.Rdo rcv rqrd. FEE.
(P) MacArthur (Islip)	8 NE;RRs N,S	98	50h R1 L5 S1	91 oct.All lgts prior req.Rdo rqrd.
Mastic Flight Strip	2.6 NW	66	40h	
Mattituck	0.8 ESE;bay S	12	25 S6	80,91 oct. Poles N.
(A) Mitchel (Hempstead) (A)	0.5 NE;RR N	90	54h R3 (L6) S6	73,91,100 oct.JP-1.FOREIGN CLEAR. STN.
Nassau (Hempstead)	4.5 E;hwy N	80	21	
Republic (Farmingdale)	1.3 ENE;RR N	85	66h R1 L5	NE blckd.Closed ngts.trans.PRIV.
Richmond Co. (Travis) (NC)	0.5 SW;riv W	10	24	160' chimney SW.
Rockaway (Edgemere)	1 WSW	20	22 L S4	80 oct.Pwr line S,SE.Port rnwy lgts
Roosevelt (Mineola)	1.6 ESE;RR N	90	30h L3 S5	80,91,100 oct. Wires NE.
Sayville (NC)	0.8 N	25	15	Trees sur fld.
Staten Island (New Springville)	1 S; rd W	40	22 S4	80 oct. Pole line SW.
Suffolk Co.(Westhampton Beach)	2.6 N	69	50h	
Zahns (Amityville)	2.5 NNE;RR NE	80	22 S6	80 oct. Pole line SW.
PENNSYLVANIA				
Skyhaven Aircenter (Morrisville)	1.2 SSE;RR W	25	26 S4	80 oct.
Nassau(Hempstead) (N.J.)	4.5 E;hwy N	80	21	
→ Aviation Country Club (Hicksville)(N;Y.)	2 S;hwy S	104	24 S6	80,91 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

RADIO BEACONS — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS GUARDED, HRS. OF OPER., REMARKS
BANNING FM	(-)	FM, 76°,25	Riverside.
CASTAIC FM	(- - - -)	FM, 322°,41	Los Angeles
CORONADO FM	(- -)	FM, 139°, 10	San Diego
DAGGETT (San Bernardino Co.)	365(DG)(116.1)	SBRAZ-VDT, 149°,0	(4); 116.1
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
FONTANA FM	(- - - -)	FM, 324°,16.5	Riverside
HUNTINGTON BEACH FM	(- -)	FM, 118°,11	Long Beach
LA HABRA FM	(. . -)	FM, 77°,21	Los Angeles
LA MESA FM	(-)	FM, 75°, 13.2	San Diego
LEBEC FM	(- -)	FM, 141°,42	Bakersfield
LINDBERGH FLD (San Diego)	278(126.18, 118.3)	AC	(4);126.18,118.3,131.9, 122.5
LONG BEACH	233(HB)(116.1)	SBMRLZ-VDT, 298°, 3.9	(3); 116.1
LOS ANGELES	260 (LA)(116.)	SBRAZ-VDTx.244°3.8	(3);116.1
LOS ANGELES	109.1(LA)	VAR	
MARCH FIELD (Riverside)	201 (126.18)+	CA	(3); 126.18
MIRAMAR MCAS (San Diego)	3295(142.74)	CN	(3); 142.74 (GCA)
MOJAVE NAS	3295(126.18, 142.74)	CN	(3); 126.18,142.74
MT. LAGUNA	254(TN)(116.1)	MHVT	(4); 116.1
MUROC (Army)	350(DUC)	BMRL	
Muroc AAF	219 (126.18)	CA; 64°,2.2	(3); 126.18
NEWHALL (Int.)	209(NH)(116.1)	SBMRL-VDT,317°,0.1	(4); 116.1
OCEANSIDE	326(OC)(116.1)	MHVT	(4); 116.1
OCEANSIDE FM	(- - - -)	FM, 325°,34	San Diego
PALMDALE	332(PA)(116.1)	SBMRAZ-VDT,216°, 2.5	(4); 116.1
REAM NAAS (San Ysidro)	3295(142.74)	CN	3105;142.74 (745-1630 Mon.-Fri.)
RIVERSIDE (March Field)	388(RV)(116.1)	SBMRAZ-VDT, 128°,2.9	(4); 116.1
SAN BERNARDINO AAF	272 (126.18)	CA	(3); 126.18
SAN CLEMENTE ISLAND NAAS	3295(142.74)	CN	3105,4495;142.74
SAN DIEGO (Lindbergh Field)	224(SQ)(116.1)	SBRAZ-VDT,139°, 2.3	(3); 116.1
San Diego NAS	266 (142.74)	CN	(3);126.18;142.74 (GCA)
San Diego NAS (Seaplane)	2870	CN	
TRONA (Int.)	323 (EW)	SBMRAZ-DT,349°, 11	(4) Not manned cont.
VICTORVILLE AAF	278 (126.18)	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3) 3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — CALIFORNIA

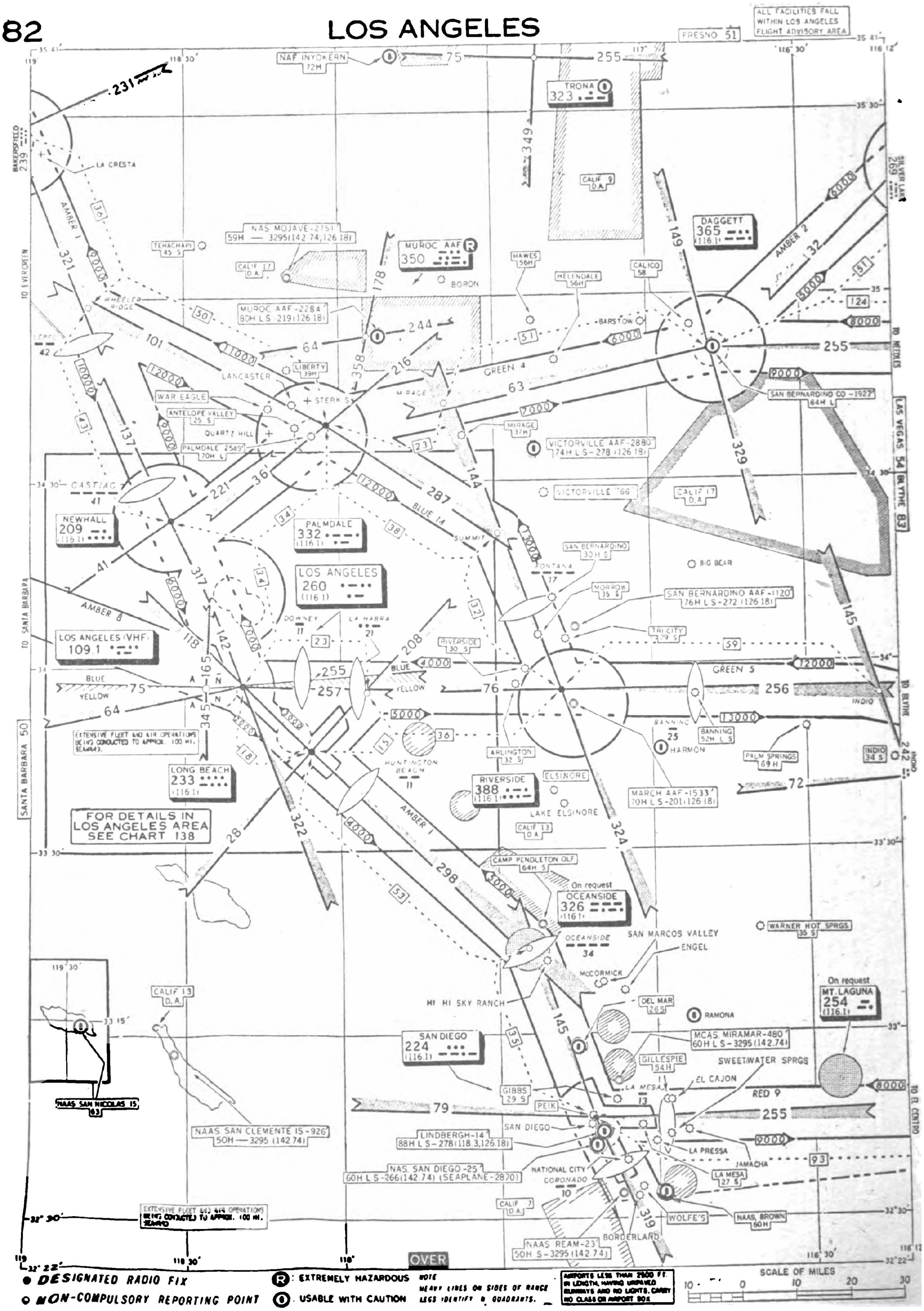
AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Antelope Valley (Lancaster)	3.4 S,hwy E	2470	25 L S2	Ltd 73 oct. Port rnwy lgts
Arlington(Riverside)	4.5 WSW,RR W	765	32 S6	80 oct. No sto.
(P) Banning	1 SE,RR N	2190	52h L5 S5	80,91 oct. No sto.
Barnes(Rosamond)	12 E,rd N	2300	38	(NC)
Barstow	1.8 N,hwy S	2150	24 S6	80 oct.
Big Bear City	0.5 NW,hwy S	6850	24	
Borderland(San Ysidro)	1.5 WNW,RR W	80	18 S6	80,91 oct. No sto. Pole line SE.
Boron	0.5 NE,RR S	2550	21 S1	80 oct. Poles E. Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xxxx) NC-(not charted). → NEW OR REVISED DATA

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Brown NAAS (Otay)(N)	5.5 ESE	523	60h	INACTIVE.
Buffalo Springs(Avalon) (NC)	7 NW	1560	35	On Catalina Island. PRIVATE.
Calico (Yermo)	2.3 WNW	1921	58	Mtns N. Hwy S.
(N) Camp Pendleton OLF (Oceanside)(N)	6 NNE,RR SE	75	64h L S1	NATS.
(N) Castle OLF (San Clemente Island)(N)	On NW end San Clemente Isl.	163	20	(NC)
(N) Clark's Dry Lake OLF (Salton Sea)(N)	25 W of ctr.	450	50	On W portion Dry Lake. (NC)
Del Mar	1.1 NNE	11	26 S1	80,91 oct. 1000' paved rnwy. Data unver.
El Cajon	2.5 N,hwy W	450	23 S5	80,91 oct. No sto.
Elsinore	1 SSE,RR N	1256	26 S4	80 oct. No sto. Hills NW.
Engel(Escondido)	1.5 W,RR N	630	19 S4	73,91 oct. No sto. Trees SE, hill NW.
Gibbs(San Diego)	7 NNE,hwy W	405	29 S4	87 oct. No sto. Poles NE,E
Gillespie(Santee)	1 SSW,rd E	385	54h	Towers W.
Harmon(San Jacinto)	1.4 SW	1600	23 S6	80 oct. No sto.
Hawes(Victorville)	27.5 N,RR N	2319	56h	
Hi Hi Sky Ranch	1.5 ENE,RR S	48	18 S6	80,91 oct. No sto. Trees NE, SW.
Helendale(Victorv l)	20 N	2508	56h	
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct. No sto. Pwr line W
(N) Inyokern NAF (N)	0.5 WNW,RR E	2455	72h	INACTIVE.
Jamacha(La Mesa)	6.8 ESE,riv N	520	18 S6	80,91 oct. Hills E.
La Cresta(Bakersfield)	2.5 NE	660	36h S1	80,91 oct. Data unver.
Lake Elsinore(Elsinore)	4 SSE,lk W	1252	15 S4	80 oct. No sto.
Lakeside				ABANDONED.
La Mesa	2 WSW,hwy N	500	27 S4	80 oct. Pole line SSE.
Lancaster	0.5 NW,RR E	2330	22 S4	73 oct. No sto. Poles E,S.
La Pressa(La Mesa)	4 S,hwy W	275	19 S4	80 oct.
Liberty(Rosamond)	4.1 S,RR E	2300	39h	80,91 oct. Rdo rqrd
(A) LINDBERGH (San Diego) ARPT OF ENTRY	2 W	14	88h R2 L5 S6	ARMY TMP INACT: CIVIL FACS
(A) March (Riverside) (A)	8.8 SE,RR SSW	1533	70h R2 L5 S6	62,73,91,100 oct. JP-1. FOREIGN CLEAR STN
McCormick (San Marcos)	1.5 WSW,RR N	550	21 S6	80,91 oct. Poles E.
Mirage(Victorville)	18 WNW,rd S	2885	37h	
(N) Miramar MCAS (San Diego) (N)	9.5 N	480	60h R1 L5 S4	91,100 oct. No bcn.
(N) Miramar OLF (San Diego) (N)(NC)	1 N Miramar, hwy SE	470	25	
(N) Mojave (N)	0.7 E,hwy W	2751	59h R1	CLOSED
Morrow (Rialto)	1.8 S,RR N	1100	35 S5	80,91 oct. Pwr line W.
(A) Muroc AAF (A)	2 S,dry lake N	2284	80h R2 L5 S6	73,91,100 oct. JP-1. No sto. CLOSED.
National City	1.1 SSE,RR W	10	22 S4	80 oct. Poles, stack NW.
(P) Palmdale	3 NE,RR W	2549	70h R1 L5 S2	91,100 oct.
(N) PALM SPRINGS	2.5 E,RR NE	448	69h L5	Lgts prior req.
Peik (San Diego)	4.8 WNW	20	28 S4	80 oct. No sto. Twr SE.
Quartz Hill (Lancaster)	6.5 SW	2450	29 L S1	80,91 oct. Port rnwy lgts. Data unver.
Ramona	0.6 WNW,	1440	15 S1	80 oct. Road NE.
Randsburg (NC)	1.8 NE,rd SE	3500	20	Poles W.
(N) Ream NAAS (San Ysidro) (N)	3.2 W	23	50h R1 L S4	100 oct. No sto.
Riverside	2.3 WNW	760	30 S4	80 oct. No sto. Riv SE.
(N) Rosedale OLF (San Diego) (N)(NC)	6 N,RR W	400	15	
Ryan (Hemet)(NC)	2.5 WSW	1502	23	RR SE.
San Bernardino	4.7 NNW, RR W	1425	30h L S6	80,91 oct. Port rnwy, obst lgts prior req. Rnwy data
(A) San Bernardino AAF (A)	3.5 ESE,RR SW	1120	76h R1 L5 S6	62,73,91,100 oct, unver, JP-1
San Bernardino Co. (Daggett)	5 E,RR S	1927	64h R1 L3	
(N) San Clemente Island NAAS (N)	8 S of N end	926	50h R1	INACTIVE.
San Diego	5 NW,bay N	10	20 S1	80 oct.
(N) San Diego NAS (N)	4.5 WSW	25	60h R1 L5 S6	91,100 oct. NAFC.
San Marcos Valley (San Marcos)	1 W,RR,hwy S	530	19 S4	80 oct. No sto. Hill NE
(N) San Nicolas Island NAAS (N)	On E end Isl.	502	63	INACTIVE.
Sweetwater Springs Airanch (La Mesa)	4.2 SE,hwy N	475	22 S1	80,91 oct. Fence E.
Tehachapi	1 N,RR S	3952	45 L S2	73,91 oct. Range lgts. Pole line SE.
Tri-City (San Bernardino)	3.3 SSE,RR S	1015	29 L S4	91,80 oct. Poles SE,W. Port rnwy lgts.
(A) Victorville AAF(A)	6 NW,RR E	2880	74h R1 L5 S5	100 oct.
Victorville "66"	5.2 SSW,RR E	3225	32 S4	80 oct. No sto.
War Eagle (Lancaster)	5 W,hwy N	2348	31	
Warner Hot Springs	3 W,hwy NE	3140	35 S1	Ltd 80 oct. Trees E,S
Wolfe's Arpk (Otay)	1.2 SE,RR W	220	30 S1	80,91 oct. Hills SE.
Sterk's Ranch (Lancaster)	2.5 ENE		30 S1	80 oct. Data unver.

LOS ANGELES


ALL FACILITIES FALL WITHIN LOS ANGELES FLIGHT ADVISORY AREA
FRESNO 51
NAF INYOKERN 72H
TRONA 323
CALIF 9 D A
DAGGETT 365 (116.1)
BAKERSFIELD 239
LA CRESTA
AMBER 1
AMBER 2
AMBER 8
NAS MOJAVE-2751' 59H — 329.5(142.74,126.18)
TEHACHAPI 45 S
CALIF 17 D A
MUROC AAF 350
BORON
MUROC AAF-2284' 80H L S-219 (126.18)
HAWES 56H
HELENDALE 56H
CALICO 58
BARSTOW
WHEELER RIDGE
LIBERTY 39H
LANCASTER
WAR EAGLE
ANTELOPE VALLEY 25 S
QUARTZ HILL
PALMDALE 2549' 70H L
STERK S
MIRAGE
GREEN 4
SAN BERNARDINO CO -1927' 64H L
MIRAGE 37H
VICTORVILLE AAF-2880' 74H L S-278 (126.18)
VICTORVILLE "66"
CALIF 17 D A
CASTIAC 41
NEWHALL 209 (116.1)
PALMDALE 332 (116.1)
BLUE 14
SUMMIT
LOS ANGELES 260 (116.1)
SAN BERNARDINO 30 H S
FONTANA
BIG BEAR
MORROW 35 S
SAN BERNARDINO AAF-1120' 76H L S-272 (126.18)
DOWNEY 11
LA HABRA 21
TRI CITY 29 S
RIVERSIDE 30 S
LOS ANGELES (VHF) 109.1
BLUE
YELLOW
GREEN 5
INDIO
BANNING 25
BANNING 52H L S
HARMON
PALM SPRINGS 69 H
INDIO 34 S
ARLINGTON 32 S
HUNTINGTON BEACH 11
RIVERSIDE 388 (116.1)
ELSINORE
LAKE ELSINORE
MARCH AAF-1533' 70H L S-201 (126.18)
LONG BEACH 233 (116.1)
FOR DETAILS IN LOS ANGELES AREA SEE CHART 138
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.
CAMP PENDLETON OLF 64H S
On request
OCEANSIDE 326 (116.1)
OCEANSIDE 34
SAN MARCOS VALLEY
ENGEL
McCORMICK
WARNER HOT SPRGS 35 S
HI HI SKY RANCH
DEL MAR 26 S
RAMONA
On request
MT. LAGUNA 254 (116.1)
SAN DIEGO 224 (116.1)
MCAS MIRAMAR-480' 60H L S-3295 (142.74)
GILLESPIE 54H
SWEETWATER SPRGS
EL CAJON
LA MESA 13
GIBBS 29 S
PEIK
RED 9
SAN DIEGO
LINDBERGH-14' 88H L S-278 (118.3,126.18)
LA PRESSA
JAMACHA
LA MESA 27 S
NAAS SAN CLEMENTE IS-926' 50H — 329.5 (142.74)
NAS. SAN DIEGO-25' 60H L S-266 (142.74) (SEAPLANE-2870)
NATIONAL CITY
CORONADO
WOLFE'S
NAAS, BROWN 60H
NAAS REAM-23' 50H S-3295 (142.74)
BORDERLAND
NAAS SAN NICOLAS IS 83
CALIF 13 D.A.
CALIF 7 D.A.
EXTENSIVE FLEET AND AIR OPERATIONS BEING CONDUCTED TO APPROX. 100 MI. SEAWARD.
TO SANTA BARBARA
TO EVERGREEN
TO NEEDLES
TO LAS VEGAS 54
TO BLYTHE 83
TO BLYTHE
TO EL CENTRO
SILVER LAKE
SANTA BARBARA 50
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R : EXTREMELY HAZARDOUS
O : USABLE WITH CAUTION
NOTE
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY R QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT SYM.
SCALE OF MILES
10 0 10 20 30

BLYTHE

ALL FACILITIES IN LOS ANGELES FLIGHT ADVISORY AREA

LAS VEGAS 54

TWENTY-NINE PALMS 40H

PALM SPRINGS 69H

CALIF 18 D A

DESERT CENTER 38 L S

RICE 55H

DESERT CENTER 50H

PARKER 32

AGUILA 45H

ECHEVARRIA 40H

CALIF ARIZ

GARY-392 29H

CONNER 38

TONOPAH 34 L

INDIO 34 S

INDIO 242 (116 1)

THERMAL 50 H

SHAVERS SUMMIT 60H

HARVEY

SALTON SEA 40

BLYTHE 70H

HERON 27 S

SALOME 41 L

BLYTHE 251 (116 1)

GILA BEND 257 (116 1)

GREEN S

WHITE TANK

PEORYVILLE 29

PHOENIX

CALIF 4 D A

CALIPATRIA

BRAWLEY 30 S

O'CONNELL

IMPERIAL CO

NAS EL CENTRO -(-43') 69H L S-317 (142.74)

LAGUNA 50H

CALIF 12 D A

RED 9

RED 15

TO CASA GRANDE

TO SAN DIEGO

On request

MT LAGUNA 254 (116 1)

EL CENTRO 212 (116 1)

HOLTVILLE 60H L S

CALEXICO 28 S

SOMERTON 30 S

YUMA 230 (116 1)

MARSH 40 S

WELLTON

DATELAN AAF 66H

GILA BEND NO 5 37H

GILA BEND NO 6 37H

GILA BEND NO 4 37H

GILA BEND AAF-850' 62H L

ARIZ. 1 D A

AJO AAF 64H L S

JACUMBA HOT SPRINGS OLF 25

ARIZ MEXICO

LOS ANGELES 82

PHOENIX 86

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION

SCALE OF MILES
25 0 25 50

RADIO — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
GILA BEND (AAF)	257(UQ)(116.1)	SBMRAZ-VDT,166°,4	(4); 116.1
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
YUMA	230(UP)(116.1)	SBMRAZ-VDT,165°,5.8	(4); 116.1
BLYTHE	**251(YH)(116.1)**	SBMRAZ-VDT,268°,4.1	(4); 116.1
EL CENTRO	**212(MB)(116.1)**	SBMRLZ-VDT	(4); 116.1
El Centro NAS	**317 (142.74)**	CN, 320°, 3.5	(4); 142.74 (7-18 & on 30 min. notice)
INDIO	**242(IN)(116.1)**	BMRLZ-VDT	(4); 116.1
MT. LAGUNA	**254(TN)(116.1)**	MHVT	(4); 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station **Location Marker; (3)**-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. **Parenthetical Numbers in Frequency Column Indicate VHF Voice.**
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aguila	1.5 NNW	2000	45h	
(A) Ajo AAF (A)	6 N,RR NE	1434	64h	CLOSED
Conner(Quartzsite)	0.3 SSW,hwy N	850	38	150' hill S.
(A) Datelan AAF	4 W Aztec	450	66h	TMP INACT NO FACS
Echeverria (Wickenburg)	14.8 WSW,RR N	2380	40h	(See Spl Not.)
(A) Gila Bend AAF (A)	4 S,hwy W	850	62h R1 L5	
(A) Gila Bend #4 (A)	18 SSW	1000	37h	INACTIVE.
(A) Gila Bend #5 (A)	15.3 SW	800	37h	INACTIVE.
(A) Gila Bend #6 (A)	7.7 WSW	800	37h	INACTIVE.
Laguna Landing Strip (Laguna)	6.5 NE	500	50h	
Marsh (Yuma)	0.7 E,RR W	130	40 S1	80 oct.
Parker	1.4 ENE;RR W	430	32 S2	No fuel. Fld rough.RR S.
Salome (NC)	0.7 S,hwy N	1876	45	15' poles NW.
★ Salome Int,27B, LA-PH	13.5 S	1354	41 L3	Mtns 7 mi.E,3 mi. W.
Sky Ranch (Wickenburg) (NC)	0.8 N,riv E	2000	24	Trees SSE.
Smiley (Wellton)	13 E,RR S	250	26	Poles SW, NE. (NC)
Somerton	3 ENE,RR W	250	30 S3	80 oct.No sto.
★ Tonopah Int,31, LA-PH	5 NNE Wintersburg	1102	34 L2	
Wellton	0.5 NW,RR S	225	24 S2	73,80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → **New or revised data.**

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Blythe AAF (A)	7 W,hwy S	397	70h R1	CLOSED
(N) Borego Hotel OLF (Salton Sea)(N)(NC)	22 WSW of S tip	400	25	
Brawley	1.3 NE,RR W	-120	30 S6	80 oct.Poles SE,E. OF ENTRY
Calexico	1.2 W,riv N	0	28 S6	80,91 oct.Data unver. ARPT
Calipatria	0.5 W,hwy adj S,rd E	-180	49 S3	No fuel or sto.35' poles all zones.
(N) Clark's Dry Lake OLF(Salton Sea)	25 W of center	450	50	On W portion Dry Lake. (N) (NC)
(N) Coyote Wells OLF -North(El Centro)	21 NW	300	26	(N) (NC)
(N) Coyote Wells OLF -South(El Centro)	21 WSW	300	25	(N) (NC)
Desert Center	2.5 NE,rd NW	555	50h	
★ Desert Center Int, 17, LA-PH	1 ENE,hwy S, W	894	38 L3 S1	80 oct. (truck)
(N) EL CENTRO NAS	7 WNW,RR S	-43	69h R2 L5 S4	91, 100 oct. No sto. (N)
Gary (Blythe)	5 NNW,RR N	392	29h	
Harvey (Blythe)	13.5 W,hwy S	565	23 S4	73 oct.No sto.
Heron (Blythe)	1.2 E,riv E	265	27 S1	73 oct.Poles N.
Holtville	7.5 NE,canal W	58	60h	Closed-use in emergency only.
Imperial Co. (Imperial)	1 S,hwy E	-69	32 L4 S6	80,91 oct.Poles SE.No bcn.Lgts prior req.
Indio	0.8 NNE,RR SW	-12	34 S4	80 oct.No sto.Pwrline W.
(N) Jacumba Hot Springs OLF (N)	1 E,hwy N	2900	25	
(N) Ocotillo OLF(Salton Sea)(N)(NC)	23 WNW of S tip	160	30	Creek N.
O'Connell Brothers (Brawley)	0.3 S,hwy W		17 S6	80 oct.Data unver.
(N) PALM SPRINGS	2.5 E,RR NE	448	69h L5	Lgts prior req.
Port Mecca (Mecca)	1.4 WNW	-180	17 S5	80 oct. RR SW.
Rice	2.2 ESE,RR N	832	55h	
Salton Sea	SW shore	-152	40	
Shavers Summit (Indio)	29.5 ESE,hwy S	1690	60h	Mtns N,S,W.
Thermal	1.8 SW,hwy W	-117	50h	
Twentynine Palms	4.8 N	1768	40h	
Fly (Yuma,Ariz.)	4.5 SSE.RR N	213	65h R1 L S2	80 oct. Ltd sto. Bndry lgts prior req.

RADIO AIDS TO NAVIGATION — ARIZONA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
COCHISE (Int.)	272(C)(116.1)	SBMRAZ-VDT,259°,2.3	(4); 116.1
DAVIS MONTHAN FIELD (Tucson)	396 (126.18) (118.3)+	C	(3); 116.1,126.18,118.3,131.9
HILLTOP FM	(-)	FM, 79°, 34.4	Cochise
LITCHFIELD PARK NAF	290 (142.74)	CN	(3); 142.74 (0730 to sunset)
→ LUKE (Phoenix)(Army)			DECOMMISSIONED
Luke Field	396 (126.18)+	CA, 163°, 8.2	(3); 126.18
MESA FM	(-)	FM, 81°,15	Phoenix
PERRYVILLE FM	(- - -)	FM, 261°, 29.4	Phoenix
PHOENIX (Sky Harbor Airport)	326(PH)(116.1)	SBMRAZ-VDT,261°, 2.3	(3). 116.1
RED ROCK FM	(- - - -)	FM, 307°, 42.8	Tucson
SKY HARBOR AIRPORT (Phoenix)	278(126.18)(118.5)	C	(4);116.1,140.1,126.18,118.5, 131.9
TUCSON (Davis Monthan)	338(TZ)(116.1)	SBRAZ-VDT,307°.3.28	(3); 116.1
VAIL FM	(- -)	FM, 106°, 13.9	Tucson
WILLIAMS FIELD (Chandler)	201 (126.18)	CA	(3); 126.18
NEW MEXICO			
RODEO (Int.)	254(RH)(116.1)	BMRLZ-VDT,24°,0	(4); 116.1

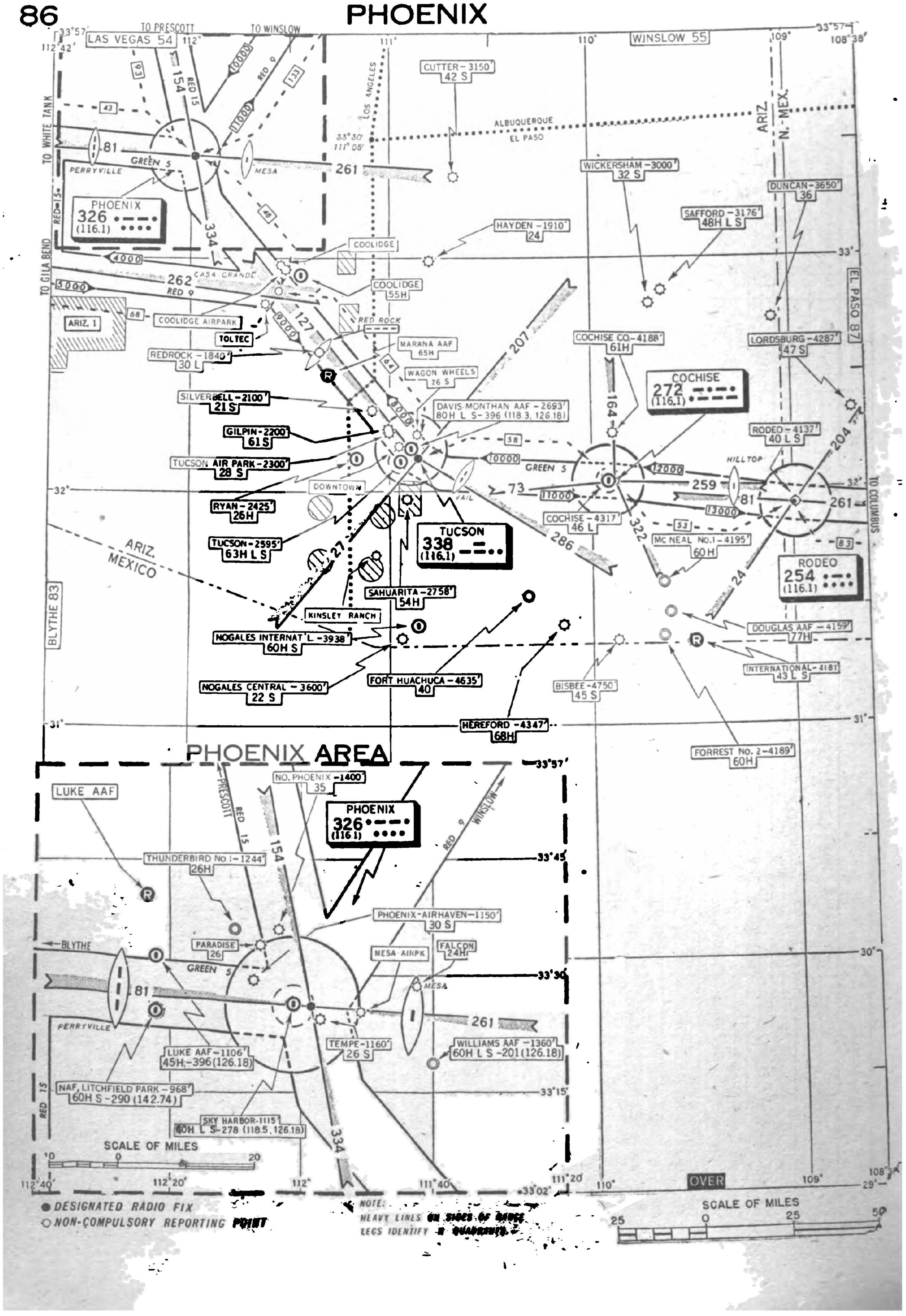
S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116 1. 137.88, 140.58 mcs.

AIRPORTS — ARIZONA

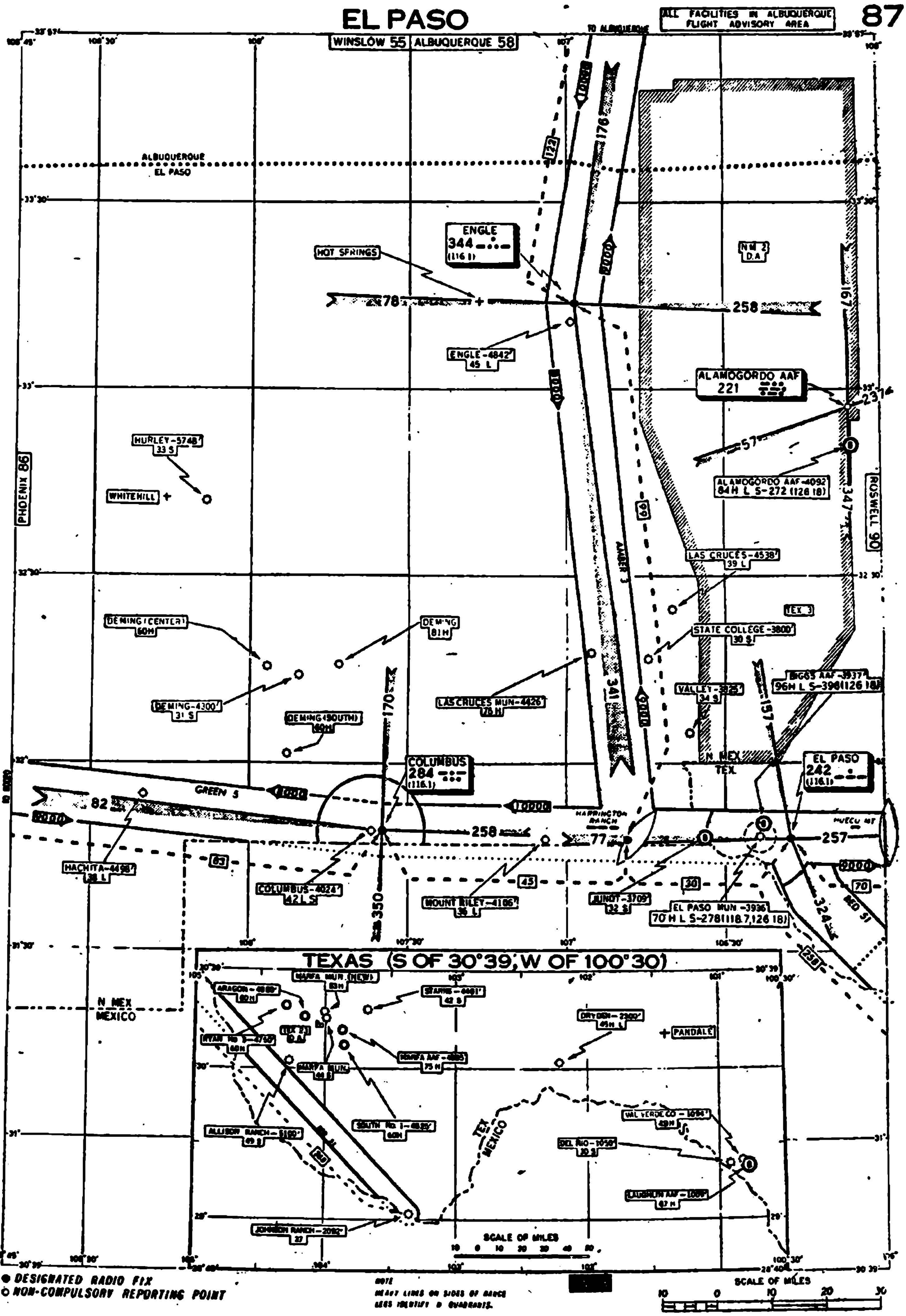
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Air-Topia (Phoenix) (NC)	6.2 SW,RR N	1050	26	
Bisbee	6.4 SSE,RR W	4750	45 L S4	80 oct.Poles W.Port.rnwy lgts prior req.
Bowie (NC)	1.9 W,RR N	3800	20	Pole line NE, W.
Clifton-Greenlee (Clifton)(NC)	8.7 SSE,hwy W	3800	35	
★ Cochise Int,T-3,PH-EO	6 S,hwy E	4317	46 R1 L3	
(P) Cochise County (Willcox)	3.8 W,rd N	4188	61h	
Coolidge Airpark	1.7 S,RR E	1450	34	
→ (A) Coolidge AAF (A)	6.4 SE	1587	55h	CLOSED
Coolidge Flying Field	1.5 WSW,RR E	1450	21 S1	80 oct. Pole line E.
Cutter (Globe)	6.8 ESE,RR N	3150	42 S4	80 oct.
(A) DAVIS-MONTHAN (Tucson)(A)	5 SE,RR SW	2693	80h R2 L5 S6	73-100 oct. JP-1.
→ (A) Douglas AAF (A)	8.5 NNW	4159	77h	TMP INACT NO FACS(See Spl Not
Duncan	1 NE	3650	36	Poleline, race track W. Twrs E.
Falcon (Mesa) (NC)	7.3 NE,hwy S	1332	24h	
Florence (NC)	5 SSE,hwy E	1500	45	
(A) Forrest #2 (Douglas)(A)	6.4 WNW	4189	60h	TMP INACT NO FACS(See Spl Not
Ft.Apache (White River)(NC)	2.6 SSW,riv S	5200	34	Trees S.
(A) Ft. Huachuca (A)	4 E,RR NW	4835	40	
Gilpin (Tucson)	4.2 NW,RR W	2200	61 L5 S6	80,91 oct.Poles E, SW.
Hayden	1.2 S,hwy E	1910	24	
Hereford	2.5 WSW,rd N	4347	68h	Twr SE.
INTERNATIONAL (Douglas)	3.3 E,hwy N	4181	43 L4 S4	80,91 oct. Fld lgts prior req. ARPT OF ENTRY.
Kinsley Ranch (Amado)	1.6 NNW,riv E	3100	31	RR E
Litchfield (Litchfield Park)(NC)	0.5 NW,canal S	1062	23	Trees SW.
(N) Litchfield Park NAF (N)	4.8 S,riv E	968	60h R1 S1	100 oct.
→ (A) Luke (Phoenix)(A)	18 WNW	1106	45h R1	TMP INACT NO FACS(See Spl Not
→ (A) McNeal #1 (Douglas)(A)	19 NNW	4195	60h	TMP INACT NO FACS(See Spl Not.)
(A) Marana AAF (A)	6 NW,hwy NE	1891	65h	CLOSED
Mesa (NC)	1.8 NNW,hwy E	1100	18	Pwrline E,W;bldgs E;canal embankment W.
Mesa Airpark	1.4 W,RR SE	1238	27 S1	80 oct. Poleline E.
Nogales Central	3 N,RR E	3600	22 S6	80 oct.No sto.
(P) Nogales International	8 NE,hwy N	3938	60h L5 S4	73,80,91 oct.All lgts prior req. ARPT OF ENTRY.
North Phoenix (Cactus)	0.5 E,hwy W	1400	35	
Paradise (Phoenix)	6 NNW,canal S	1256	26 S2	80,91 oct. Trees S
Phoenix Airhaven	3.9 WNW,RR W	1150	30 S6	80 oct,No sto,Poles SW,NE.
★ Redrock Int,7B, PH-EO	2.3 NW,RR E	1840	30 L4	
Ryan (Tucson)	13 WSW,rd S	2425	25h	Low dike S and E corner.
Safford	4.5 ENE,riv S	3176	48h L5 S5	80,91 oct. Fld lgts prior req.
Sahuarita Flight Strip	2.2 E,hwy W	2758	54h	
Sells (NC)	2 NW,rd E	2380	30	
Silverbell (Tucson)	11.2 NW,RR E	2100	21 S1	80 oct.
SKY HARBOR (Phoenix)	2.8 ESE,RR N	1115	60h R2 L5 S6	73,80,91,100 oct.
Superior (NC)	2 WSW,hwy N	2600	15	Pole line NE.
Tempe	1.2 SW,RR E	1160	26 S6	80 oct.Poles E,trees W.
Three Point (Casa Grande)(NC)	1.5 NNW,RR SW	1400	32	
Thunderbird #1 (Phoenix)	12 NW	1244	26h	
Thunderbird #2 (Phoenix) (NC)	13 NE,rd W	1500	25	Allway: 2500 x 2000'
Toltec	0.4 NNW,RR W	1500	26	Poles SSW,SW.
(P) Tucson	7 S,RR W	2595	63h L5 S6	80,91 oct.
Tucson Airpark	3.1 NW,RR E	2300	28 S1	Ltd 80 oct.
Wagon Wheels Ranch (Tucson)	5.5 ENE	2200	26 S6	80 oct.No sto.Poles S,SE.
Wickersham (Safford)	2.5 S,RR NE	3000	32 S6	80, 91 oct.
Willcox (NC)	0.9 WNW,hwy E	4186	36	75' trees SE,bldgs NE.
(A) Williams (Chandler) (A)	10 E	1360	60h R1 L5 S6	73, 91, 100 oct. JP-1.
NEW MEXICO				
Lordsburg	1 SE,RR N	4287	47 S1	73 oct.
★ Rodeo Int, 26A, PH-EO	7.3 NNE,RR SE	4137	40 R1 L3 S1	Ltd 73 oct.
Downtown (Tucson,Ariz.)	1 4 S,RR SW	2400	34 S2	80,91 oct. Poles N.

H-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA.

PHOENIX


LAS VEGAS 54
TO PRESCOTT
TO WINSLOW
WINSLOW 55
CUTTER – 3150'
42 S
ALBUQUERQUE
EL PASO
ARIZ.
N. MEX.
WICKERSHAM – 3000'
32 S
DUNCAN – 3650'
36
SAFFORD – 3176'
48H L S
HAYDEN – 1910'
24
COOLIDGE
COOLIDGE
55H
COOLIDGE AIRPARK
TOLTEC
REDROCK – 1840'
30 L
MARANA AAF
65H
WAGON WHEELS
26 S
RED ROCK
ARIZ. 1
SILVERBELL – 2100'
21 S
GILPIN – 2200'
61 S
TUCSON AIR PARK – 2300'
28 S
RYAN – 2425'
26H
TUCSON – 2595'
63H L S
DOWNTOWN
TAIL
TUCSON
338
(116.1)
SAHUARITA – 2758'
54H
KINSLEY RANCH
NOGALES INTERNAT'L – 3938'
60H S
NOGALES CENTRAL – 3600'
22 S
FORT HUACHUCA – 4635'
40
ARIZ.
MEXICO
COCHISE CO. – 4188'
61H
COCHISE
272
(116.1)
LORDSBURG – 4287'
47 S
RODEO – 4137'
40 L S
HILLTOP
COCHISE – 4317'
46 L
MC NEAL NO. 1 – 4195'
60 H
RODEO
254
(116.1)
DOUGLAS AAF – 4159'
77H
INTERNATIONAL – 4181'
43 L S
BISBEE – 4750'
45 S
HEREFORD – 4347'
68H
FORREST No. 2 – 4189'
60H
GREEN 5
PERRYVILLE
MESA
PHOENIX
326
(116.1)
261
334
262
RED 9
RED 15
154
TO WHITE TANK
TO GILA BEND
BLYTHE 83
EL PASO 87
TO COLUMBUS
LOS ANGELES
33°30'
111°05'
PHOENIX AREA
LUKE AAF
THUNDERBIRD No. 1 – 1244'
26H
NO. PHOENIX – 1400'
35
PHOENIX
326
(116.1)
PHOENIX-AIRHAVEN – 1150'
30 S
PARADISE
26
MESA AIRPK
FALCON
24H
BLYTHE
TEMPE – 1160'
26 S
LUKE AAF – 1106'
45H; –396 (126.18)
WILLIAMS AAF – 1360'
60H L S –201 (126.18)
NAF, LITCHFIELD PARK – 968'
60H S –290 (142.74)
SKY HARBOR – 1115'
60H L S–278 (118.5, 126.18)
SCALE OF MILES
20 0 0 20
112°40'
112°20'
112°
111°40'
33°02'
111°20'
110°
109°
108°38'
33°57'
33°45'
33°30'
33°15'
33°
32°
31°
30°
29°
OVER
SCALE OF MILES
25 0 25 50
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF AIRWAY LEGS IDENTIFY IFR QUADRANTS.

EL PASO


ALL FACILITIES IN ALBUQUERQUE FLIGHT ADVISORY AREA
WINSLOW 55
ALBUQUERQUE 58
TO ALBUQUERQUE
ALBUQUERQUE
EL PASO
ENGLE 344 (116.1)
HOT SPRINGS
ENGLE-4842' 45 L
ALAMOGORDO AAF 221
ALAMOGORDO AAF-4092' 84 H L S-272 (126.18)
HURLEY-5748' 33 S
WHITEHILL
LAS CRUCES-4538' 39 L
STATE COLLEGE-3800' 30 S
DEMING (CENTER) 60 H
DEMING 81 H
DEMING-4300' 31 S
DEMING (SOUTH) 60 H
LAS CRUCES MUN-4426' 78 H
VALLEY-3825' 34 S
BIGGS AAF-3937' 96 H L S-398 (126.18)
COLUMBUS 284 (116.1)
EL PASO 242 (116.1)
HACHITA-4498' 38 L
COLUMBUS-4024' 42 L S
MOUNT RILEY-4186' 36 L
BLIND-3709' 22 S
EL PASO MUN-3936' 70 H L S-278 (118.7, 126.18)
TEXAS (S OF 30°39', W OF 100°30')
N MEX
MEXICO
TEX
ARAGON-4887' 62 H
DRYDEN-2300' 45 H L
PANDALE
ALLISON RANCH-5100' 69 S
JOHNSON RANCH-2092' 27
VAL VERDE CO-1054' 49 H
DEL RIO-1036' 20 S
LAUGHLIN AAF-1086' 62 H
SCALE OF MILES
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE
HEAVY LINES ON SIDES OF BLOCK
LEES (RELATIVE) TO QUADRANTS.

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALAMOGORDO (Army	221 (DGR)	BMRLZ	(3);4220;126.18
Alamogordo AAF	272 (126.18)	CA(ILS);167°,6.5	(3);126.18 (0730-1930) Mon-Fri.(Sat.& Sun. 730-1630)
COLUMBUS (Int.)	284(KS)(116.1)	SBMRAZ-VDT, 262°, 1.9	(4); 116.1
ENGLE (Int.)	344(EX)(116.1)	SBRAZ-VDT,172°, 2.9	(4); 116.1
HARRINGTON RANCH FM	(- - -)	FM, 257°, 28.5	El Paso, Texas
TEXAS			
BIGGS FLD (El Paso)	396 (126.18)+	CA (ILS)	(3); 126.18
EL PASO	242(EO)(116.1)	SBRAZ-VDT	(3); 116.1
El Paso Mun. Arpt.	278 (126.18) (118.7)	AC(ILS);257°,4.9	(4);131.9,118.7,126.18
HUECO MTN. FM	(-)	FM, 77°, 18	El Paso

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Alamogordo, N. Mex.	109.9		155° Mag.	IM- ····· (.22)	MM- (1.00)	OM- -- (4.48)
					MMK-	OMK-
Biggs, Tex.	109.9		213° Mag.	IM- (.26)	MM- ····· (.85)	OM- -- (3.50)
					MMK-	OMK-
EL PASO. TEX.	109.5	332.6	217° Mag	IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Alamogordo AAF(A)	8.5 SW,hwy S	4092	84h R3 L5 S4	73, 100 oct.
★ Columbus Int,34, PH-EO	0.6 ESE,hwy N	4024	42 R1 L3 S1	73 oct.
➔(A) Deming AAF(A)	2 ESE,hwy W	4314	81h	CLOSED
Deming Arpk.	6 WSW,RR N	4300	31 S4	73 oct.No sto.
➔(A) Deming (South) (A)	19.5 SSW	4240	60h	CLOSED
➔(A) Deming (Center)(A)	11.5 W,hwy S	4440	60h	CLOSED
Engle Int,10,EO-PU	2.6 E,hwy S	4842	45 R1 L3	
★ Hachita Int,29B, PH-EO	0.8 W,RR N	4498	38 L3	Pole line N.
Hot Springs	7.4 N,hwy E	4500	75 S4	80 oct.Rnwy data unver.
Hurley	0.8 W,RR E	5748	33 S4	73 oct.No sto.
Jundt (Strauss)	8.8 ESE,hwy NE.	3709	32 S6	73,80 oct.No sto.Trees E.
Las Cruces (NC)	1 NE,hwy N	3900	35	
Las Cruces, mun.	8.5 W,hwy S	4426	75h	Cattle on fld.
Las Cruces 4,EO-PU	9.5 NE,hwy S	4538	39 L3	Pwr line S. Mtn E.
Mt.Riley Int,37,PH-EO	1.8 SE,RR N	4106	36 L2	
Silver City (NC)	11.5 SE,hwy E	5400	54	
State College (Mesilla Park)	1.2 E,RR W	3800	30 S6	73 oct.No sto.
Tularosa (NC)	2.2 N,RR W	4550	25	Use strips only.
Valley (Berino)	1 ENE,hwy W	3825	34 S1	73 oct.50' hi-line E.
Whitehill (Silver City)	4 SSE	5800	30	Poleline N.Rnwy data unver.
TEXAS				
Allison Ranch (Marfa)	23.4 SW,hwy E	5100	49 S1	73 oct.
➔Aragon #5 (Marfa)	9 WNW,RR, N	4880	60h	CLOSED
(A) Biggs (El Paso)(A)	6 NE,RR W	3937	96h R3 L5 S6	73,91,100 oct.IP-1.No
Blair Ranch (Marathon) (NC)	23.5 SSW,hwy E	4180	24	PRIVATE. range.
Castolon (NC)	0.8 NNW,riv SW	2300	16	High butte 1/2 mi E.
Cox Ranch (Longfellow) (NC)	8.4 WSW,RR S	3700	48	PRIVATE.
Decker Ranch (Candelaria) (NC)	11.5 N	3650	29	PRIVATE.
Del Rio	1.5 WNW,hwy E	1000	30 S4	80 oct.No sto.Poles N.
Dryden Airdrome (Dryden) (NC)	1 W	2159	18	
★ Dryden Int,29,EO-PU	5.7 W,hwy N	2300	45h L3	
(N) EL PASO MUN.	4.8 ENE,RR SW	3936	70h R3 L5 S1	73,91,100 oct.No sto, ARPT OF ENTRY.
Johnson Ranch (Castolon)	10.7 SE,riv SW	2092	37	
(A) Laughlin (Del Rio)(A)	7 E,hwy N	1069	67h	CLOSED
➔ Marfa (AAF)	9 ESE,RR N	4885	75h	CLOSED
Marfa Mun. (new)	4 N,hwy E	4835	53h	
Marfa Mun. (old)	2 NE,hwy,RR S	4780	44 S4	73 oct.No sto.Poleline NOT MNTND. S, SW.
Presidio (NC)	4 N,hwy W	2850	48	
Presidio Air Strip	0.8 NE,RR S	2580	21	PRIVATE. (NC)
➔ Ryan #3 (Marfa)	19 WNW,RR NE	4750	60h	CLOSED
Sanderson Landing Strip (NC)	2 W,RR N	2900	24	PRIVATE.
➔ South #1 (Marfa)	15 SE	4825	60h	CLOSED
Starns (Alpine)	2.1 NW,RR E	4481	42 L S6	80,91 oct. Rnwy lgts prior req.
Terlingua (NC)	2 E,hwy SW	2700	36	
Val Verde Co.(Del Rio)	4.5 ENE,RR S	1094	49h	
Yoas Ranch (Longfellow)(NC)	6.5 WSW,RR N	3675	36	PRIVATE.Pole line NW.
Pandale (Tex.)	8 NE		20 S2	80 oct. Data unver.

B-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) NC-(not charted). ➔ New or revised data

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT	STA CLASS, BEAR & DIST	FREQS GUARDED, HRS. OF OPER., REMARKS
CARLSBAD	311(DKB)	MRLW;322°,3.5	
ROSWELL (Army)	305 (DEH)	SBMRAZ	(3); 126.18
Roswell AAF	396 (126.18)+	CA;255°, 3.6	(3); 126.18
TEXAS			
GUADALUPE PASS	(116.1)	VP	116.1
GUADALUPE PASS FM	(-)	FM, 79°, 17.4	Salt Flat
HUECO MOUNTAIN FM	(-)	FM, 77°, 18	El Paso
SALT FLAT (Int.)	335(DN)(116.1)	BMRLPZ-VDT;162° 2.7	(4); 116.1

S Simul Range and Voice W Without Voice Z VHF Range Station Location Marker (3) 3105 4495 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + Army A C S transmits on and guards 116.1, 137.88, 140.58 mcs

AIRPORTS — NEW MEXICO

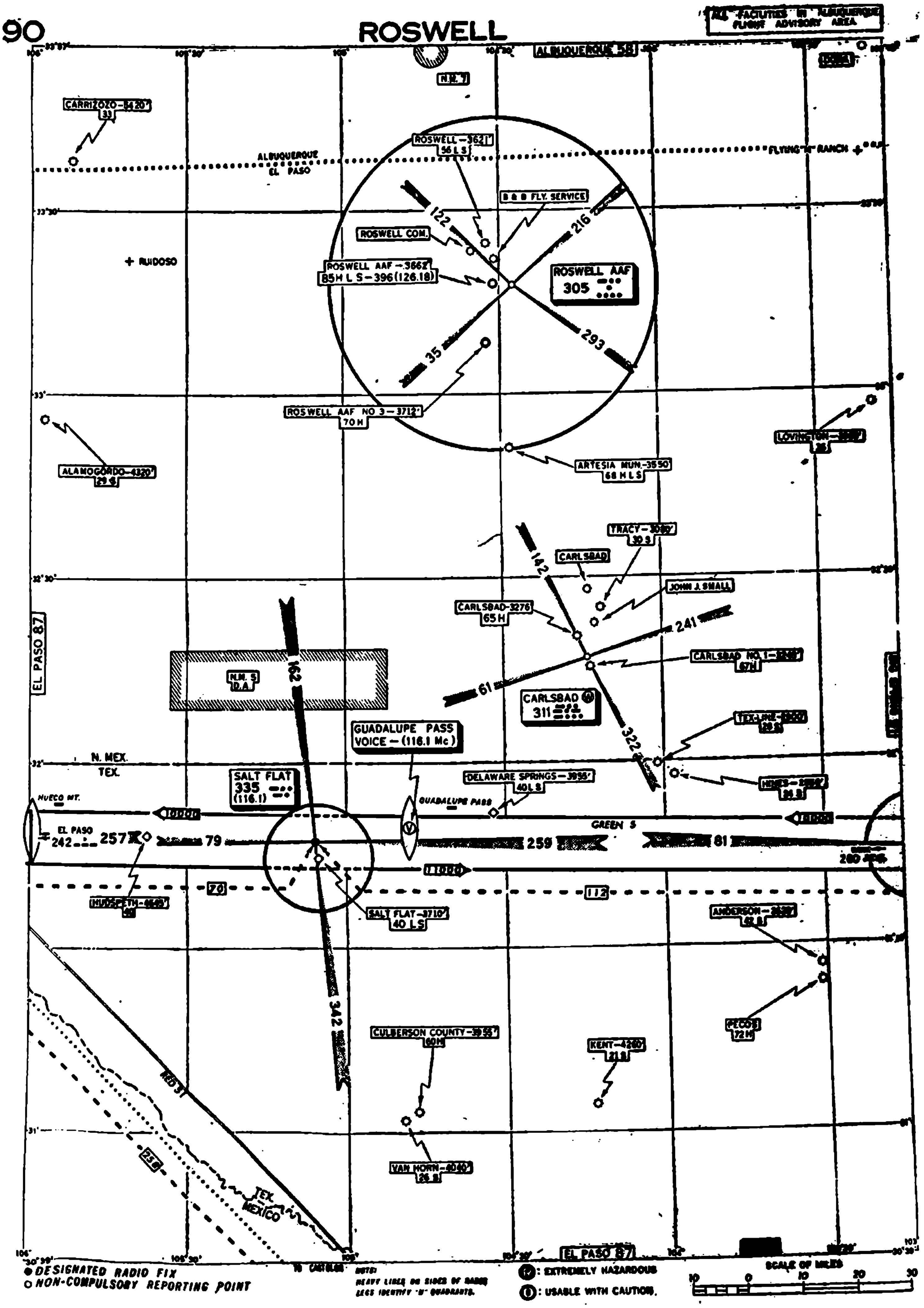
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alamogordo	2.4 N,hwy W	4320	29 S1	73 oct.Poleline ESE.
(P) Artesia Mun.	4.2 W,rd S	3550	69h L5 S1	73-91 oct.
B&B Flying Service (Roswell)	2 S,RR E	3600	32 S2	80 oct.
CARLSBAD MUN.	6.1 SSW,	3276	65h	Hwy E.
Carlsbad	3 N,RR E	3100	38 S2	80 oct.
Carlsbad #1	11 S,hwy 3 W	3245	67h	
Carrizozo	0.6 N,hwy S	5420	33	
Dora (NC)	1.3 E,hwy W	4000	27 S1	73 oct.Pole line N.
Flying "M" Ranch (Milnesand)	0.4 NNW, hwy E	4360	20 S2	80 oct.Data unver.
John J. Small (Carlsbad)	3.5 SSE,RR NE	3150	27 S1	73 oct.
Lovington	0.8 E,hwy S	3985	36	Pole line S,SE,SW.
Parker (Ruidoso) (NC)	8.2 NNE,	7200	36	Cattle on fld. Road N.
ROSWELL	1 6 WNW,	3621	56 L5 S6	73 oct.Fld lgts prior request. RR E
Roswell Com.	4 W,hwy N	3700	33	Windmill SW.
(A) Roswell AAF (A)	6.5 S	3662	85h R2 L5 S6	91,100 oct.No sto.
(A) Roswell AAF #3 (A)	18 S	3712	70h	INACTIVE.
Ruidoso Flying Svc.	2 N	6900	51 S2	80 oct.Data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → New or revised data

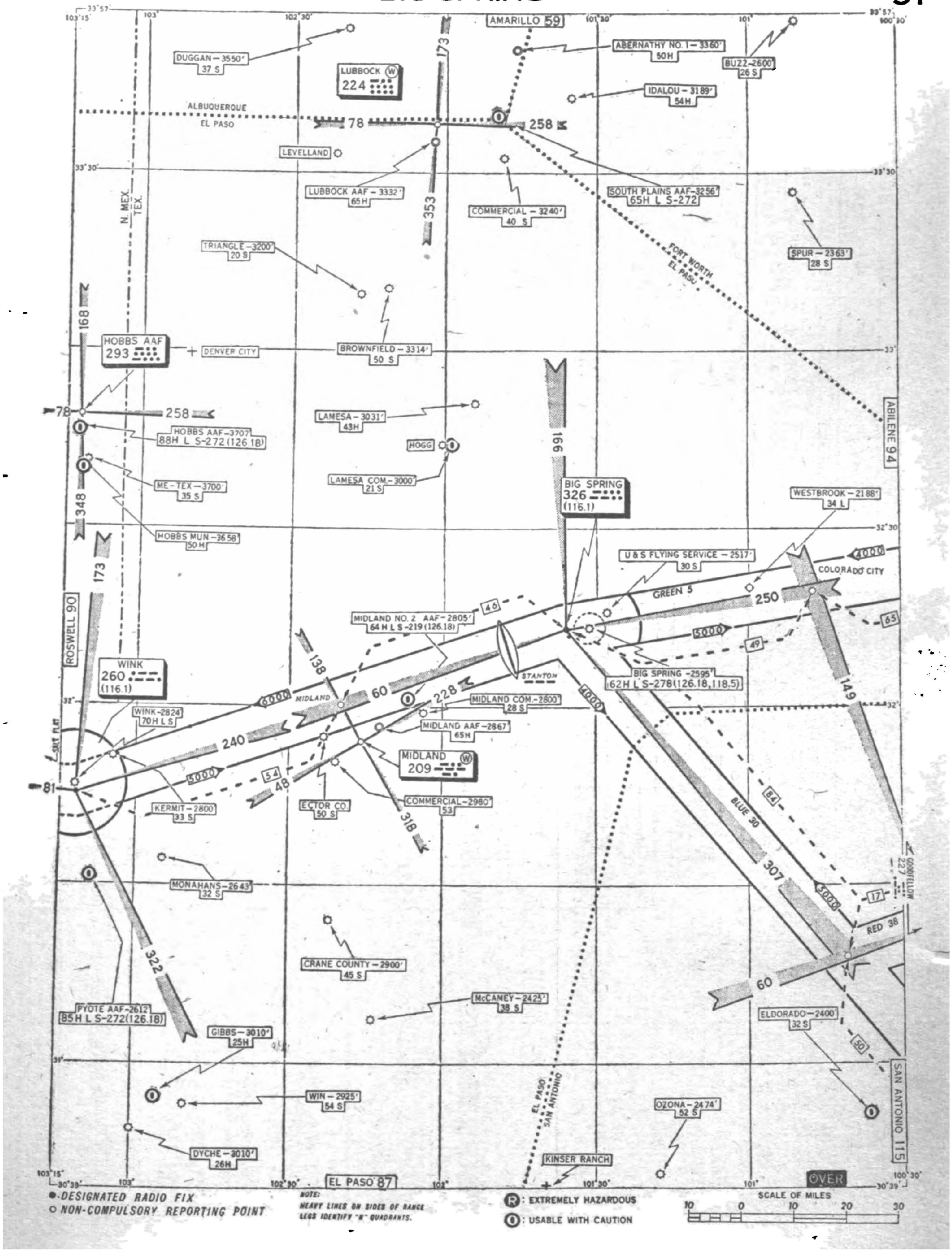
NEW MEXICO

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Tracy (Carlsbad)	2 ENE,hwy S	3080	30 S6	80 oct.
TEXAS				
Anderson (Pecos)	1.8 NNW,RR W	2620	42 S6	80 oct.Poles sur fld.
(P) Culberson Co.(Van Horn)	3.5 ENE,RR S	3955	60h	
★ Delaware Springs Int. 11, EO-FV	16.8 E Pine Springs	3955	40 L3 S1	91 oct.Pole line SSE.
Fort Hancock (NC)	0.7 SE,RR N	3565	24	Pole line N.
Hines (Red Bluff Lake)	5.5 NNW,RR W	2850	24 S1	80 oct.
★ Hudspeth Int,4,EO-FV	48.5 E El Paso	4645	40 L1	
Kent	0.6 WNW, RR S	4260	21	Pole line NE,SW.PRIV.
Pecos	2.2 SSW	2617	72h	RR W
★ Salt Flat Int.8A,EO-FV	80 E El Paso	3710	40 R1 L3 S1	80 oct.,91 oct. in emerg
Sierra Blanca (NC)	2.8 ESE	4450	21	Pole line N.Hwy N.
Tex-Line (Orla)	13.7 NNW	2900	26 S1	Ltd 80 oct. Hwy W.
Van Horn	0.8 SE,RR N	4040	26 S1	80 oct.Poles NW.

ROSWELL


ALBUQUERQUE
N.M. 7
CARRIZOZO-5420'
33
ROSWELL-3621'
56 L S
ALBUQUERQUE
EL PASO
FLYING "A" RANCH
B & B FLY. SERVICE
122
216
ROSWELL COM.
ROSWELL AAF-3662'
85 H L S-396(126.18)
ROSWELL AAF
305
RUIDOSO
35
293
ROSWELL AAF NO 3-3712'
70 H
ALAMOGORDO-4320'
29 S
ARTESIA MUN.-3550'
68 H L S
LOVINGTON
EL PASO 87
142
TRACY-3089'
39 S
CARLSBAD
JOHN J. SMALL
CARLSBAD-3276'
65 H
241
CARLSBAD NO 1-3291'
67 H
61
CARLSBAD
311
322
N.M. S
D.A.
162
GUADALUPE PASS
VOICE-(116.1 Mc)
TEX-LINE-3200'
25 S
N. MEX.
TEX.
SALT FLAT
335
(116.1)
DELAWARE SPRINGS-3935'
40 L S
HINES-2850'
24 S
HUECO MT.
GUADALUPE PASS
GREEN 5
EL PASO
242
257
79
259
81
280
70
112
HUDSPETH-4649'
SH
SALT FLAT-3710'
40 L S
ANDERSON-2830'
42 S
CULBERSON COUNTY-3955'
60 H
KENT-4260'
21 S
PECOS
72 H
VAN HORN-4040'
26 S
TEX-MEXICO
258
EL PASO 87
TO CATARINA
NOTE:
HEAVY LINES ON SIDES OF BASE
LEGS IDENTIFY "H" QUADRANTS.
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
12: EXTREMELY HAZARDOUS
5: USABLE WITH CAUTION.
SCALE OF MILES
10 0 10 20 30

BIG SPRING



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS.

(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION

RADIO — NEW MEXICO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
HOBBS (Army)	293 (DHB)	BMRLZ	(3) (V, 7-23)
Hobbs AAF	272 (126.18)	CA; 168°, 2.8	(3);126.18 (7-23)
TEXAS			
BIG SPRING	326(BZ)(116.1)	SBRAZ-VDT	(3); 116.1
Big Spring Arpt.	278 (126.18)	C; 70°, 3.9	(4); 126.18,131.9.Trs. & gds. 118.5 mcs.
LUBBOCK (AAF)	224 (DHH)	MRLWZ; 173°,3.9	
MIDLAND	209 (DON)	MRLWZ;48°,3.8-AAF	
Midland No. 2	219 (126.18)	CA	(4); 140.58
PYOTE AAF	272 (126.18)	CA	(3); 126.18
→ SOUTH PLAINS AAF (Lubbock)	272	CA	(4) (8-22)
STANTON FM	(- - -)	FM, 240°,12	Big Spring.
WINK	260(WP)(116.1)	SBRAZ-VDT,353°,1.2	(4); 116.1

S Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + Army A C S transmits on and guards 116 1, 137 88, 140 58 mcs

AIRPORTS — NEW MEXICO

AIRPORT - CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Continental (Jal)(NC)	0.7 W, hwy E	3100	20	
(A) HOBBS AAF (A)	8 NW,RR NE	3707	88h R2 L5 S4	91,100 oct.
HOBBS MUN.	5 W,hwy N	3658	50h L5	All lgts prior req.
(P) Me-Tex (Hobbs)	4.5 W,hwy N	3700	35 S6	80,87 oct.Pole line N,W,NW.
TEXAS				
→ (A) Abernathy #1 (A)	5 ENE	3346	50h	TMP INACT. NO FACS(See Spl Not.)
(P) BIG SPRING	3.3 WSW;RR N	2595	62h R2 L5 S6	80,91,100 oct.
Brownfield	5 E;hwy N	3314	50 S2	80 oct.Poleline N, NE.
Buzz (Roaring Spgs)	2.3 NNE;hwy W	2600	26 S1	73 oct.Poleline S.
Commercial (Lubbock)	3.2 SE;bet hwys	3240	40 S6	73,80 oct.No sto. Use strips.
→ Commercial (Odessa)	1.9 E; RR N	2980	53 S6	Poleline NE,NNE.
Crane Co.(Crane)	1 NNW;hwy E	2900	45 S1	73 oct.Hi-line S.
Duggan (Littlefield)	1.2 S;RR NE	3550	37 S4	80,91 oct.Pwrline E, NE, SE.
Dyche (Fort Stockton)	9 SW;RR E	3010	26h	Allway area: 4000 x 4000'.
Ector County (Odessa)	5 NNW;hwy W	2900	50 S2	80 oct.
Eldorado	1 W;RR E	2400	32 S1	80 oct. Poles E. Livestock on fld.
Gibbs (Fort Stockton)	2.7 NNW	3010	25h	Allway area: 4800 x 5000'.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (see page X111) NC (not charted). → NEW OR REVISED DATA.

TEXAS

AIRPORT - CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Idalou	5.5 ENE	3189	54h	
Iraan (NC)	5 NW	2300	26	
Kermit	1.3 E;RR W	2800	33 S6	80 oct. No sto.
Kinser Ranch (Ozona)	25 W;riv W	2474	24 S1	80 oct.PRIVATE. Data unverified.
Lamesa	8.9 NNE;hwy E	3031	43h	
Lamesa Commercial	1.8 WNW;hwy S	3000	21 S1	73 oct,Pole line SSE.
Levelland	2 S;hwy W	3550	25 S1	80 oct.Poleline NW, SW.
(A) Lubbock AAF (A)	9 W;RR S	3332	65h	TMP INACT NO FACS. (SEE SPL NOT)
McCamey	0.8 SW;RR N	2425	38 S6	80 oct,Hi-line SSE.
(A) Midland AAF (A)	9.5 WSW;RR S	2867	65h	TMP INACT NO FACS. (SEE SPL NOT)
Midland Commercial	1.1 SSE;RR N	2800	28 S4	80 oct.No sto.Rnwy data unverified.
(A,N) Midland #2 (A)	3 NW; rd E	2805	64h R1 L5 S4	91, 100 oct. JP-1. No sto.
Monahans	1.2 SW;RR N	2643	32 S6	80,91 oct.P-line SSW
Ozona	4,9 WSW;hwy N	2474	52 S1	80 oct.
(A) Pyote AAF (A)	1 SW;RR N	2612	85h R1 L5 S6	91, 100 oct. No sto.
Rita Santa (NC)	0.5 S;RR N	2800	40	Obsts sur fld.
(A) SOUTH PLAINS AAF (Lubbock)	5.5 NNE;RR W	3256	65h R1 L5 S6	73, 91, 100 oct.
Spur	2.2 S;RR N	2363	28 S4	80, 91 oct.
Triangle (Brownfld)	1.8 SSW;RR NW	3200	20 S2	73 oct.
U & S Flying Service (Big Spring)	1.5 N;hwy S	2517	30 S6	80 oct.
★ West Brook Int,32, EO-FV	1.3 S;RR N	2188	34 L3	Pole line N, S.
Win (Ft. Stockton)	3.2 E;hwy N	2925	54 S6	80 oct.
Wink	3.6 WNW;rd SE	2824	70h R1 L5 S6	80,91 oct.
Denver City (Tex.)	0.5 NW	3584	40 S1	80 oct.Data unver.
Hogg(Lamesa,Tex.)	3 W; hwy N	3000	38 S1	80 oct. Bldg SW.

ABILENE

RADIO — TEXAS

LOCATION	FREQ. IDENT	STA. CLASS. BEAR & DIST	FREQS GUARDED. HRS OF OPER., REMARKS
ABILENE	379(AP)(116.1)	SERAZ-VDT	(3) 116 1
Abilene Air Term.	278 (118 7)	C: 180°, 2.3	(4). 118.7,126 18, 131.9
CLARENDON	23?(CD)(116.1)	BMRL-VDT,199°,2	(4), 116.1
HARPERSVILLE (Int.)	284(HV)(116.1)	MHVT	(4). 116.1
WICHITA FALLS (Sheppard/Kell Mun. Airport)	239(WF)(116.1)	SBMRAZ-VDT,305° 1 7	(4): 116.1

S Simul Range and Voice W Without Voice ? VHF Range Station Location Marker (3) 3105 4495 6210 mcs (4) 3105 4495 6210 3117 5 mcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + Army A C S transmits on and guards 116 1 137 88 140 98 mcs

AIRPORTS — OKLAHOMA

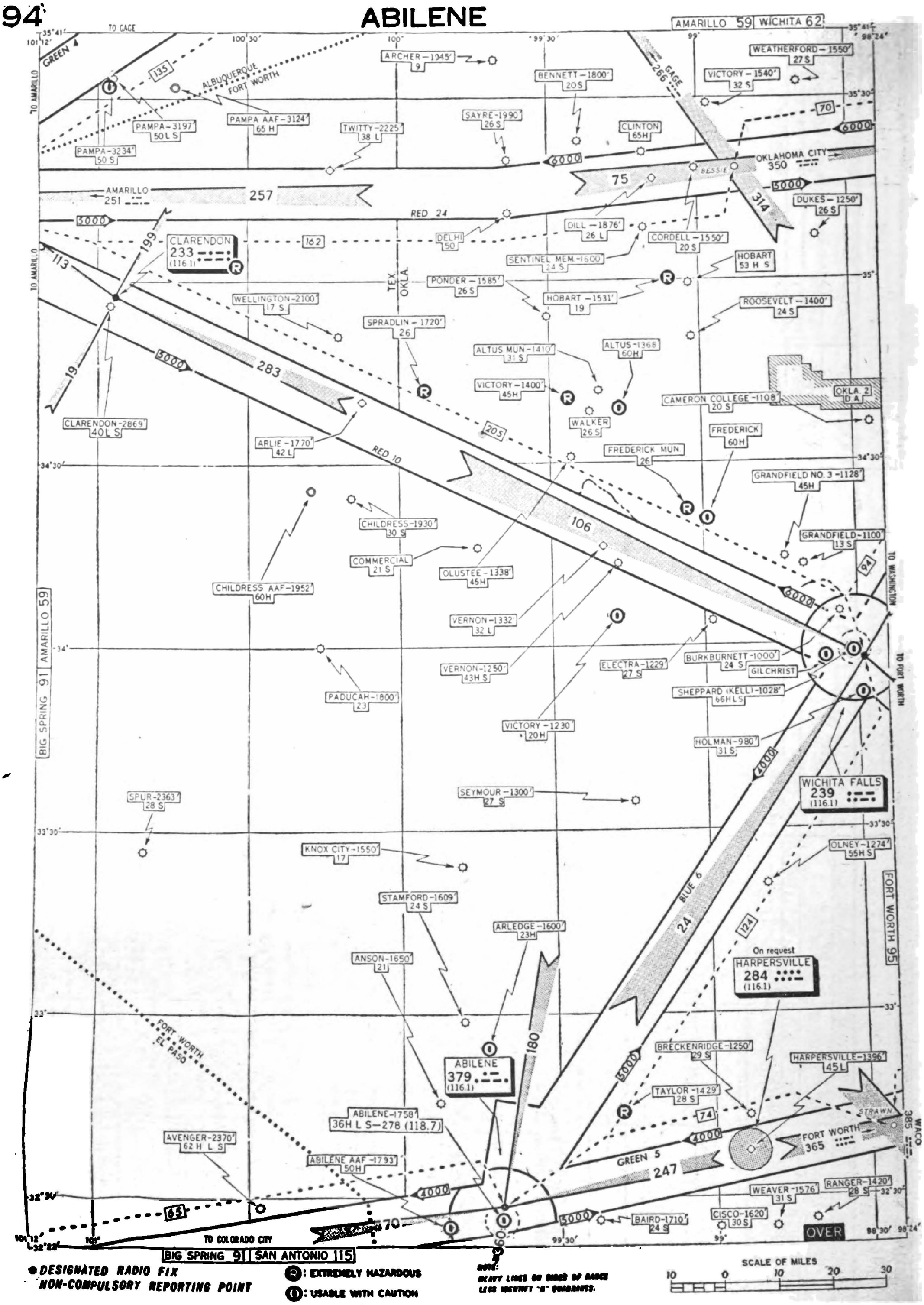
AIRPORT – CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Altus	3 4 ENE;hwy S	1368	60h	
Altus, mun.	4.2 N,RR W	1410	31 S6	73,80 oct Polelines W.
← Archer (Cheyenne)	1.2 SW,hwy E			ABANDONED
Bennett (Elk City)	2 SSE.RR NE	1800	20 S1	73 oct Poleline W Lgt acft only.
Cameron College (Lawton)	2.5 W,RR N	1108	20 S4	80 oct.
Clinton	17 SW,hwy E	1932	65h	
Cordell	1.3 NW,RR E	1550	20 S1	80 oct.
Delhi	2 5 ENE,hwySW	1937	50	
★ Dill Int,14,AQ-LS	0.5 NW,hwy N	1876	26 L3	Poleline N, E
Dukes(Carnegie)	1 NNW,riv S	1250	26 S1	80 oct. Poleline S
← Frederick,mun.	2 3 WSW.RR SE			ABANDONED
Frederick	3.5 SSE	1233	60h	
Grandfield	1.2 SE,RR N	1100	13 S1	73 oct
Grandfield #3	3.1 W,RR NE	1128	45h	
↘ Haddock (Erick)	1.4 SW,RR N	2017	34 S1	80 oct. Poleline N,NW
(P) Hobart Mun.	3.8 SE,RR N	1583	53h S6	73 oct.
← Hobart, mun.	1.5 SW,RR NW			ABANDONED
Olustee(Altus)	10 SE,riv E	1338	45h	
Ponder (Mangum)	1.6 N,hwy S	1585	26 S2	73, 80 oct
Roosevelt	0.5 NW,rd N	1400	24 S1	80 oct. Pwr line N.
Sayre	2.3 N,hwy W	1990	26 S4	80 oct
Sentinel Memorial	0 8 SSW,RR W	1600	24 S1	73 oct.
← Spradlin(Hollis)	1 N,hwy S			ABANDONED
← Victory (Altus)	7.2 NW,riv E			ABANDONED
Walker (Altus)	1 6 W,RR E	1400	26 S4	80 oct. Poleline N
Weatherford	2.7 ENE,RR S	1550	27 S2	80 oct

h hard surfaced runways R radio facilities L lighting facilities S servicing (See page XIII) NC (not charted) → NEW OR REVISED DATA.

TEXAS

AIRPORT – CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) ABILENE AIR TERMINAL	2.8 ESE,RR N	1758	36h R2 L5 S6	73,80,91,100 oct.
(A) Abilene AAF (A)	7 WSW,hwy N	1793	50h	TMP INACT NO FACS
↗ Anson	0 8 ENE,RR W	1650	21	(SEE SPL NOT)
Arledge(Stamford)	5 SE,RR SW	1600	23h	Pole line S.
★ Arlie Int.9,AQ-FV	3 8 SW,hwy SE	1770	42 L3	
(P) Avenger(Sweetwater)	3.5 W,RR S	2370	62h L5 S1	80 oct
Baird	3 1 NNE,hwy W	1710	24 S6	73, 80 oct.
Breckenridge	2.5 S,RR E	1250	29 S6	80 oct
Burkburnett	1 SE,RR SW	1000	24 S2	80 oct. Poles E
Childress	3.2 ESE,RR NE	1930	30 S4	73,80 oct. Poleline sur. field.
(A) Childress AAF(A)	5 2 W,RR N	1952	60h	TMP INACT NO FACS
↗ Cisco	2 5 NNW,lake 2 N	1620	30 S6	80 oct (See Spl Not)
(P) Clarendon 4,AQ-FV	3 8 W,RR NE	2869	40 R1 L3 S6	80, 91 oct.
Commercial(Quanah)	1 8 S,hwy E,N	1568	21 S2	Ltd 80 oct.
Electra	3.6 WNW,RR S	1229	27 S2	80 oct
Gilchrist (Wichita Falls)	7 WNW,RR S	1020	30 S1	80 oct. Pwrline S.
★ Harpersville Int,44, EO-FV	9 2 S of Breckenridge	1396	45 R1 L3	
Holman (Wichita Falls)	3 1 SSE,hwy W	980	31 L S6	80,91 oct. Poles SE, E, NE
Knox City	0.8 SSE,RR W	1550	17	
(P) Olney	4 WSW,rd S,N	1274	55h L5 S2	80, 91 oct Lgts prior req
Paducah	2.5 ESE,RR NW	1800	23	
Pampa	1 NNE,RR S	3234	50 S6	80,91 oct P-line S. bldg
(A) Pampa AAF (A)	12 3 E	3124	65h	CLOSED SW
★ Pampa Int,4,AQ-KC	1.9 NE,RR S	3197	50 L3 S1	80, 91 oct.
Ranger	1.5 SSW,RR W	1420	28 S6	80 oct. Poleline NE
Seymour	1.3 SE,riv SW	1300	27 S1	80 oct.
(A) SHEPPARD/KELL MUN. (Wichita Falls)	5.8 N,hwy W	1028	66h R1 L5 S6	80, 91oct ARMY TMP INACT CIVIL FACS
Spur	2.2 S,RR N	2363	28 S4	80, 91 oct
Stamford	2.5 N,hwy F	1609	24 S2	80 oct
Taylor (Albany)	1 N,RR SW	1429	28 S2	80 oct.
★ Twitty Int,8A,AQ-LS	1 SE,hwy W	2225	38 L3	
Vernon	5 N,hwy E	1250	43h S6	73, 80 oct No sto
★ Vernon Int,15,AQ-FV	8.8 NNW,hwy E	1332	32 L3	
Victory (Vernon)	5.9 SSW,hwy E	1230	20h S2	No fuel
Weaver (Eastland)	1 NE,RR S	1576	31 S6	80 oct.
Wellington	1 SE,hwy W	2100	17 S1	80 oct. Pole line S

ABILENE



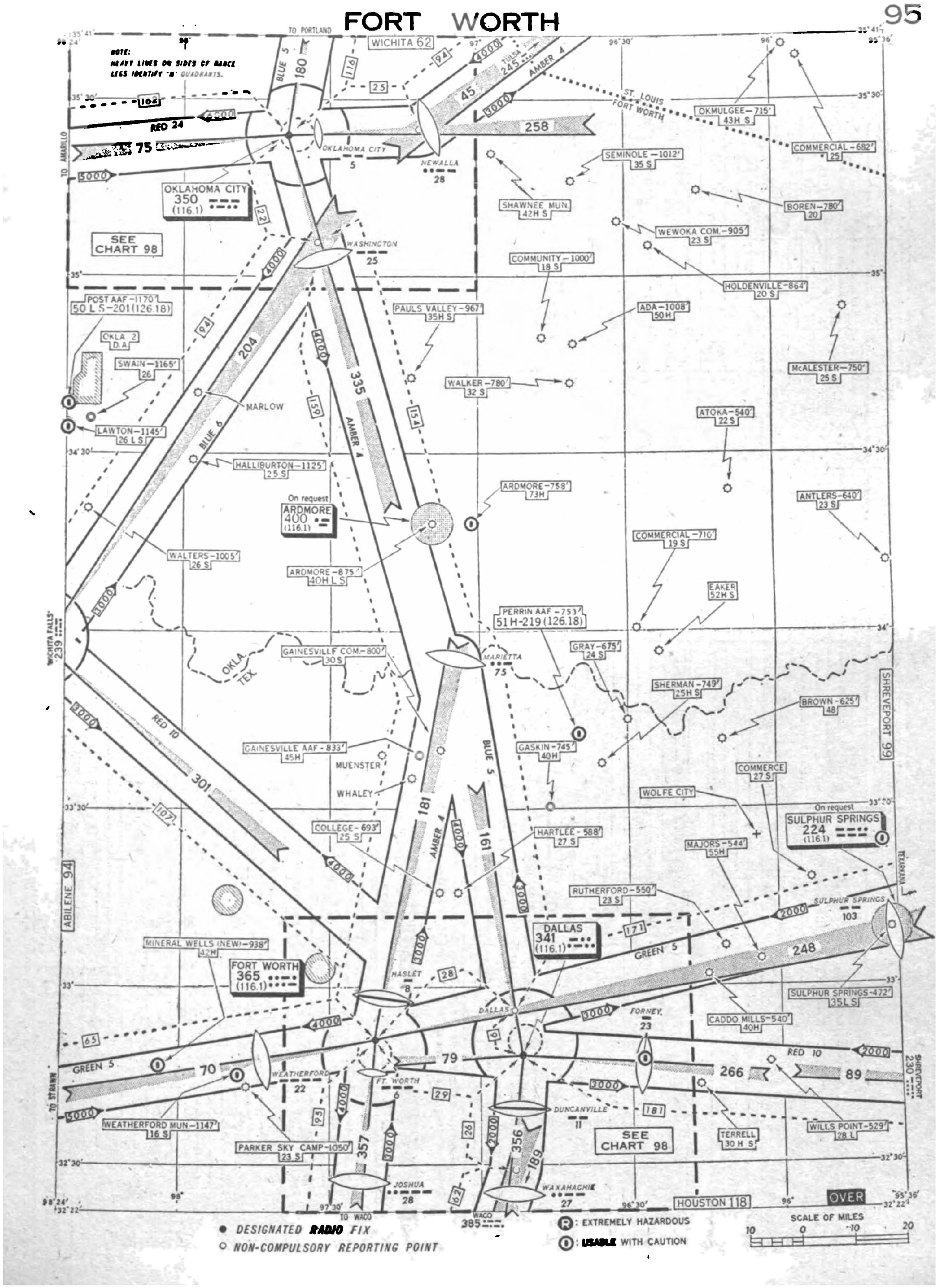
● DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓘ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON EDGE OF RADIO LEGS IDENTIFY "R" QUADRANTS.

FORT WORTH


NOTE:
HEAVY LINES ON SIDES OF MARCE
LEGS IDENTIFY "R" QUADRANTS.
TO PORTLAND
WICHITA 62
BLUE 5
180
116
94
25
97°
4000
TULSA
245
AMBER 4
45
9000
258
ST. LOUIS
FORT WORTH
96°30'
96°
35°41'
35°36'
35°30'
102
RED 24
6000
75
TO AMARILLO
5000
OKLAHOMA CITY
5
NEWALLA
28
OKLAHOMA CITY
350
(116.1)
22
SEE
CHART 98
WASHINGTON
25
4000
35°
OKMULGEE—715'
43H S
COMMERCIAL—682'
25
SEMINOLE—1012'
35 S
SHAWNEE MUN.
42H S
BOREN—780'
20
WEWOKA COM.—905'
23 S
COMMUNITY—1000'
18 S
HOLDENVILLE—864'
20 S
POST AAF—1170'
50 L S—201(126.18)
PAULS VALLEY—967'
35H S
ADA—1008'
50H
McALESTER—750'
25 S
OKLA 2
D.A.
SWAIN—1165'
26
94
204
4000
335
AMBER 4
MARLOW
159
154
WALKER—780'
32 S
ATOKA—540'
22 S
LAWTON—1145'
26 L S
BLUE 6
34°30'
HALLIBURTON—1125'
25 S
On request
ARDMORE
400
(116.1)
ARDMORE—758'
73H
ANTLERS—640'
23 S
COMMERCIAL—710'
19 S
WALTERS—1005'
26 S
ARDMORE—875'
40H L S
EAKER
52H S
PERRIN AAF—753'
51H-219(126.18)
WICHITA FALLS
239
OKLA.
TEX.
GAINESVILLE COM.—800'
30 S
MARIETTA
75
GRAY—675'
24 S
SHERMAN—749'
25H S
BROWN—625'
48
SHREVEPORT 99
GAINESVILLE AAF—833'
45H
MUENSTER
WHALEY
GASKIN—745'
40H
COMMERCE
27 S
WOLFE CITY
181
BLUE 5
AMBER 4
161
33°30'
On request
SULPHUR SPRINGS
224
(116.1)
COLLEGE—693'
25 S
HARTLEE—588'
27 S
MAJORS—544'
55H
RUTHERFORD—550'
23 S
TEXARKANA
SULPHUR SPRINGS
103
ABILENE 94
MINERAL WELLS (NEW)—938'
42H
DALLAS
341
(116.1)
171
GREEN 5
248
FORT WORTH
365
(116.1)
HASLET
28
8
33°
SULPHUR SPRINGS—472'
35L S
DALLAS
3000
FORNEY
23
CADDO MILLS—540'
40H
65
4000
GREEN 5
70
RED 10
2000
266
89
SHREVEPORT 230
TO STRAWN
WEATHERFORD
22
FT. WORTH
6
29
DUNCANVILLE
11
181
WEATHERFORD MUN—1147'
16 S
PARKER SKY CAMP—1050'
23 S
93
357
189
356
26
62
SEE
CHART 98
TERRELL
30 H S
WILLS POINT—529'
28 L
32°30'
JOSHUA
28
WAXAHACHIE
27
98°24'
32°22'
98°
97°30'
TO WACO
WACO
385
96°30'
HOUSTON 118
95°
95°36'
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
D: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20

RADIO — OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARDMORE	400 (AT)(116.1)	MHVT	(4); 116.1
MARIETTA FM	(. . -)	FM, 1°, 75	Fort Worth, Texas
NEWALLA FM	(. . - -)	FM, 78°, 27.5	Oklahoma City
OKLAHOMA CITY (Will Rogers Field)	350 (OL)(116.1)	SBRAZ-VDT,78°,1.6	(3); 116.1
OKLAHOMA CITY LFM	(- -)	LFM, 78°, 5.4	Oklahoma City
POST FIELD (Lawton)	201 (126.18)	CA	(3); 126.18 (7-17 Mon.-Fri.)
WASHINGTON FM	(- - -)	FM, 155°, 24.6	Oklahoma City

TEXAS

DALLAS (Love)	341 (DL)(116.1)	SBMRAZ-VDT,356°2.2	(3); 116.1
DUNCANVILLE FM	(- -)	FM, 176°, 10.5	Dallas
FORNEY FM	(-)	FM, 86°, 23	Dallas
FORT WORTH (Meacham Fld)	365 (FV)(116.1)	SBRAZ-VDTX,177°,2.4	(3); 116.1
FORT WORTH-LFM	(- - -)	LFM, 177°, 6.2	Fort Worth
HASLET FM	(-)	FM, 1°, 8.1	Fort Worth
JOSHUA FM	(. . - - -)	FM, 177°, 27.7	Fort Worth
PERRIN FIELD (Sherman)	219 (126.18)	CA	(3):126.18
SULPHUR SPRINGS	224 (ZO)(116.1)	MHVT	(4); 116.1
SULPHUR SPRINGS FM	(- -)	FM, 68°, 103	Fort Worth
WAXAHACHIE FM	(. . - -)	FM, 176°, 27	Dallas
WEATHERFORD FM	(- - - -)	FM, 250°, 22	Fort Worth

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OKLAHOMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Ada	2 N, RR SW	1008	50h	
Antlers	2.8 S,RR E	640	23 S2	80 oct.
Ardmore	11.2 NNE,riv E	758	73h	CAUTION: Intensive airline training.
Ardmore,10, FV-WD	9.2 N,hwy E	875	40h R1 L3 S6	80, 91 oct. Poles E.
Atoka	1.8 NW,RR S	540	22 S2	73 oct. Pole line S.
Boren (Wetumka)	1.5 NW,hwy S	780	20.	
Commercial (Durant)	5.2 W,RR N	710	19 S2	73 oct. Rnwy data unverified.
Commercial (Okmulgee)	3.4 E,RR N	682	25 S2	Ltd 73 oct. Poles SW.
Community (Ada)	6.8 WNW,RR NE	1000	18 S6	80 oct.
(P) Eaker (Durant)	3.2 SSW,RR NW	703	52h L5 S1	80, 91 oct. All lgts prior req.
Halliburton (Duncan)	1 S, RR E	1125	25 L S4	80,88 oct. Range lgts.
Holdenville	1.2 WNW,RR NE	864	20 S2	73 oct. Pole line N.
Lawton	1.5 S,RR E	1145	26 L2 S4	73 oct.Fld lgts prior req. Poles NW.
Marlow	1.6 N,RR E	1150	15	Pole line S.
McAlester	2 SSE,RR W	750	25 S6	80 oct.
(P) Okmulgee	3 NNE,hwy W	715	43h L5 S8	73,80 oct. Ctc lgts prior request.
(P) Pauls Valley	2.1 S,RR E	967	35h L1 S1	80 oct.
(A) Post (Lawton)(A)	3 N	1170	50 R1 L4 S4	73 oct.; ltd 100 oct.
Seminole	3.4 NNW,hwy E	1012	35 S2	80 oct. Trees W, NW.
(P) Shawnee	2 NW,RR E	1080	42h L5 S2	80, 91 oct. Fld lgts prior req.
(A) Swain (Lawton)(A)	3.5 E,hwy N	1165	26	
Tishomingo (NC)	7.5 N	890	29	
Walker (Ada)	5.4 S,hwy W	860	32 S6	73, 80 oct. Trees sur fld.
Walters	1.2 SW,RR E	1005	26 S2	73 oct. Cattle on field.
Wewoka, com.	1.8 W,lake N	905	23 S6	80 oct. Pole line NNE.
(P) Wewoka, mun. (NC)	4.7 NE,hwy N	790	30	

TEXAS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bowie (NC)	2.8 NW,bet RRs	1050	19	Cattle on fld. Trees N.
Brown (Bonham)	8 N,hwy W	625	48	Pole line S, W.
Caddo Mills(Greenv'l)	10.7 SW,hwy W	540	40h	
College (Denton)	4.2 N	693	25 S6	73 oct. Cattle on field.
Commerce	3.4 NNE,hwy SE	548	27 S6	80, 91 oct.
(A) Gainesville AAF (A)	3.8 WNW,RR S	833	45h	
Gainesville com.	3 NNE,hwy W	800	30 L1 S1	80 oct. Poles S.
(A) Gaskin (Sherman)(A)	12.6 SW,rd E	745	40h L	B-2, flood lgts.
Gray (Denison)	2.5 E,RR N	675	24 L S6	80 oct. Emerg.lgts by circling fld.
Hartlee (Denton)	5.4 NE,RR SSE	588	27 S6	73,80 oct. Poles S.
Jones (Bonham)(NC)	2 NNE,hwy E	616	18h	
Majors (Greenville)	5 SSE,RR W	544	55h	
(P) Mineral Wells, new	3.2 SE,RR N	938	42h	
Muenster	2.6 E,RR S	1010	26 S1	80 oct. Pole line S.
Parker Sky Camp (Weatherford)	3.4 SSE,RR NW	1050	23 S4	80 oct.
(A) Perrin (Sherman)(A)	6.4 NNW,RR N	753	51h R1	TMP INACT NO FACS(See Spl Not.)
Rutherford (Greenv'l)	4.5 WSW,hwy SE	550	23 S3	73 oct. Pole line S.
Sherman	1.4 SE,hwy N	749	25h S6	80 oct.
So.Sulphur (Greenv'l)	9.5 NNE	550	30	(NC)
Sulphur Springs, 7B, DL-LV	1.9 NW,RR S	472	35 R1 L3 S1	80 oct. Pole line S,SE.
Terrell Mun.	1.5 SE,RR W	490	30h	80,91 oct.
Weatherford, mun.	1 W, hwy N	1147	16 S4	80 oct.
Whaley Arpk(Gainesv'l)	5.7 WSW,RR N	820	20 S2	80 oct. Pole line N.
* Wills Point Int,7,FV-AG	5.9 NW	529	28 L3	
Wolfe City	2 N		20 S1	80 oct. Data not verified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

OKLAHOMA CITY – DALLAS – FORT WORTH

RADIO — OKLAHOMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
NEWALLA FM	(. . - -)	FM,78°,27.5	Oklahoma City
OKLAHOMA CITY	350(OL)(116.1)	SBRAZ-VDT,78°,1.6	(3); 116.1
(Will Rogers Field)			
OKLAHOMA CITY LFM	(- -)	LFM,78°,5.4	Oklahoma City
TINKER, OKLAHOMA CITY	221 (DTE)	BMRAZ	4495
(Army)			
Tinker Field	396 (126.18)+	CA;170°,5.3	(3); 126.18
→ WILL ROGERS FIELD	272 (118.7)	C	(4);118.7,126.18,131.9
(Oklahoma City)			
WASHINGTON FM	(- - -)	FM,155°,24.6	Oklahoma City

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DALLAS (Love Field)	341(DL)(116.1)	SBMRAZ-VDT,356°,2.8	(3); 116.1
DUNCANVILLE	404 (D)	FMK,176°,10.5	Dallas
DUNCANVILLE FM	(- -)	FM,176°,10.5	Dallas
FORNEY FM	(-)	FM,86°,23	Dallas
FORT WORTH	365(FW)(116.1)	SBRAZ-VDTX,177°,2.4	(3); 116.1
(Meacham Field)			
Fort Worth AAF	201 (126.18)+	CA	(3); 126.18
FORT WORTH LFM	(- - -)	LFM,177°,6.2	Fort Worth
HASLET FM	(-)	FM,1°,8.1	Fort Worth
HASLET	371 (F)	FMK,1°,8.1	Fort Worth
HENSLEY FIELD (Dallas)	396 (126.18)	CA	(4); 126.18
JOSHUA FM	(. . - - -)	FM,177°,27.7	Fort Worth
LOVE FIELD (Dallas)	278 (126.18) (118.9)	AC (ILS)	(4); 118.9,131.9,126.18
MEACHAM FIELD (Fort Worth)	272 (126.18) (118.7)	AC	(4);126.15,118.7,131.9
WAXAHACHIE FM	(. . - -)	FM,176°,27	Dallas
→ GRAUWYLER PARK	311 (L)	K,356°, 0.9	Dallas

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
→ LOVE, TEXAS	110.3	335	140° Mag.	IM	MM ·-·- (6.7)	OM – – (4.35)
					MMK 311 ·-·· (.75)	OMK
MEACHAM, TEXAS				IM	MM	OM
					MMK 356 ·-·- (.70)	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs;
(4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ = Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — OKLAHOMA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anadarko	1.5 SW;RR E	1260	20 S1	80 oct.
Bethany (Oklahoma City)	8WNW	1300	44h S6	80,91 oct.Pwr line S.
Bomhoff (Calumet)	4.1 SSE;hwy S	1448	25 S4	73,80,91 oct.
Caddo Flying Ser.(Ft.Cobb)	6 SE;hwy S	1250	16 S2	80 oct.
(P) Chickasha	4 NNW;riv S	1140	37 L S6	80,91 oct.Flood,obst lgts.
Cimarron (Yukon)	4 WSW;hwy N	1350	20h	
(P) El Reno	1.5 SW;RR N	1400	26 L S6	80 oct.Port rnwy lgts.
Geary	1.4 E;RR N	1300	21 S2	73 oct.
Garthoeffner Co. Club (Oklahoma City)	7.3 S;hwy E	1270	19h S6	80 oct.
Lake View (Yukon)(NC)	2.7 E;RR N	1275	24	PRIVATE.Poles N,S.
Max Westheimer (Norman)	2.7 NW;RR E	1178	50h S2	80,91 oct.
(P) Mustang (El Reno)	5.3 SSW	1400	52	
Nuckols (Oklahoma City)	7.2 SSW;hwy W	1265	30 S6	80 oct.Poles N,W,SW.

AIRPORTS — OKLAHOMA

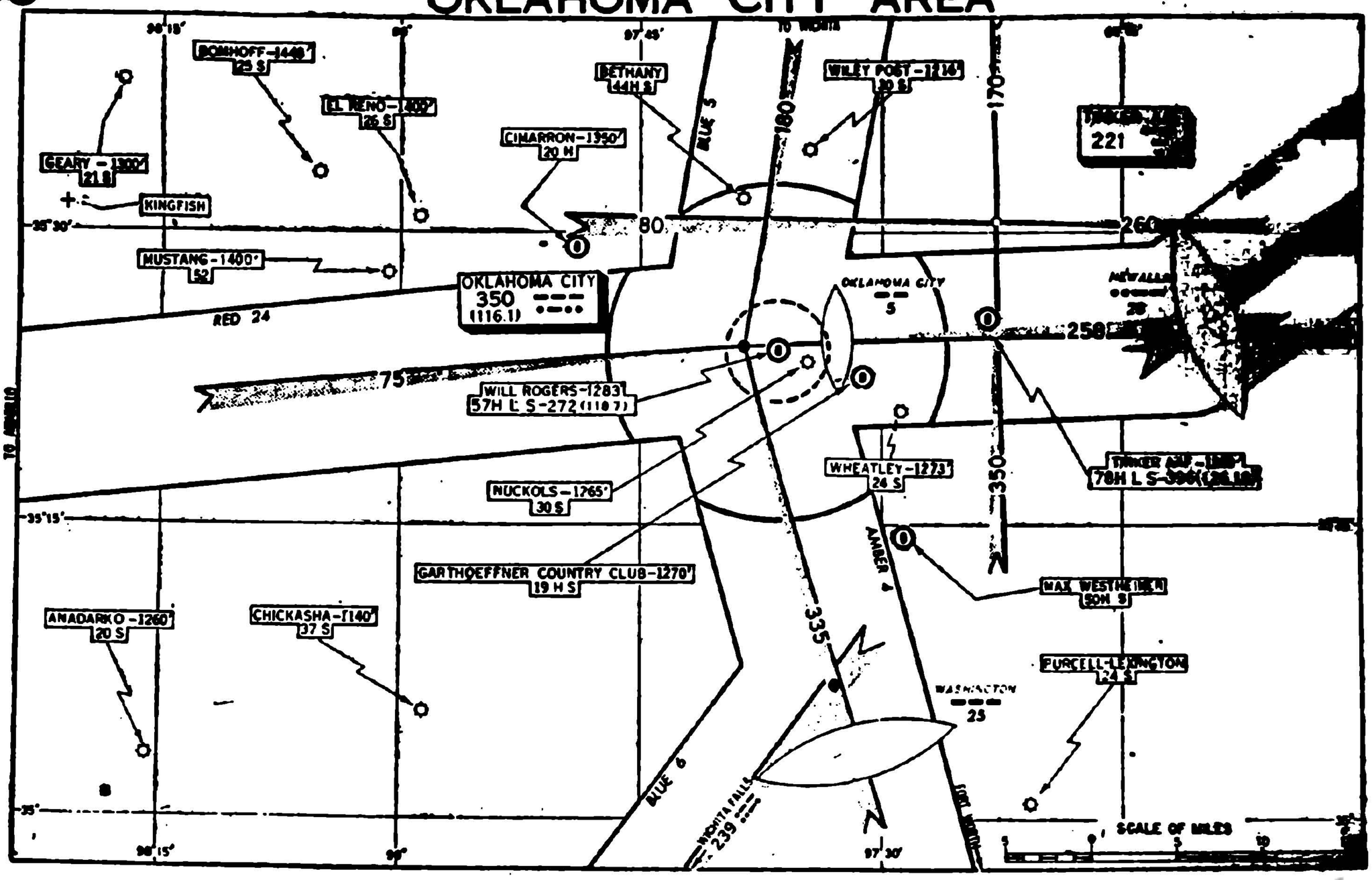
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Purcell-Lexington (Lexington)	0.8 WSW;riv W	1100	24 S2	80 oct.Trees S,SSW,SSE.
(A,N) Tinker (Oklahoma City)	8.5 SE;RR NE	1269	78h R2 L5 S6	62,91,100 oct.JP-1,NAFC. (A)
Wheatley Airpark (Moore)	0.6 NE;hwy W	1273	24 S6	73 oct.
Wiley Post (Oklahoma City)	7.9 NNW;hwy E	1216	30 S6	80,91 oct.Trees S.
→ WILL ROGERS (Oklahoma City)	7.5 SW;hwy E	1283	57h R2 L5 S6	80,91,100 oct.

AIRPORTS — TEXAS

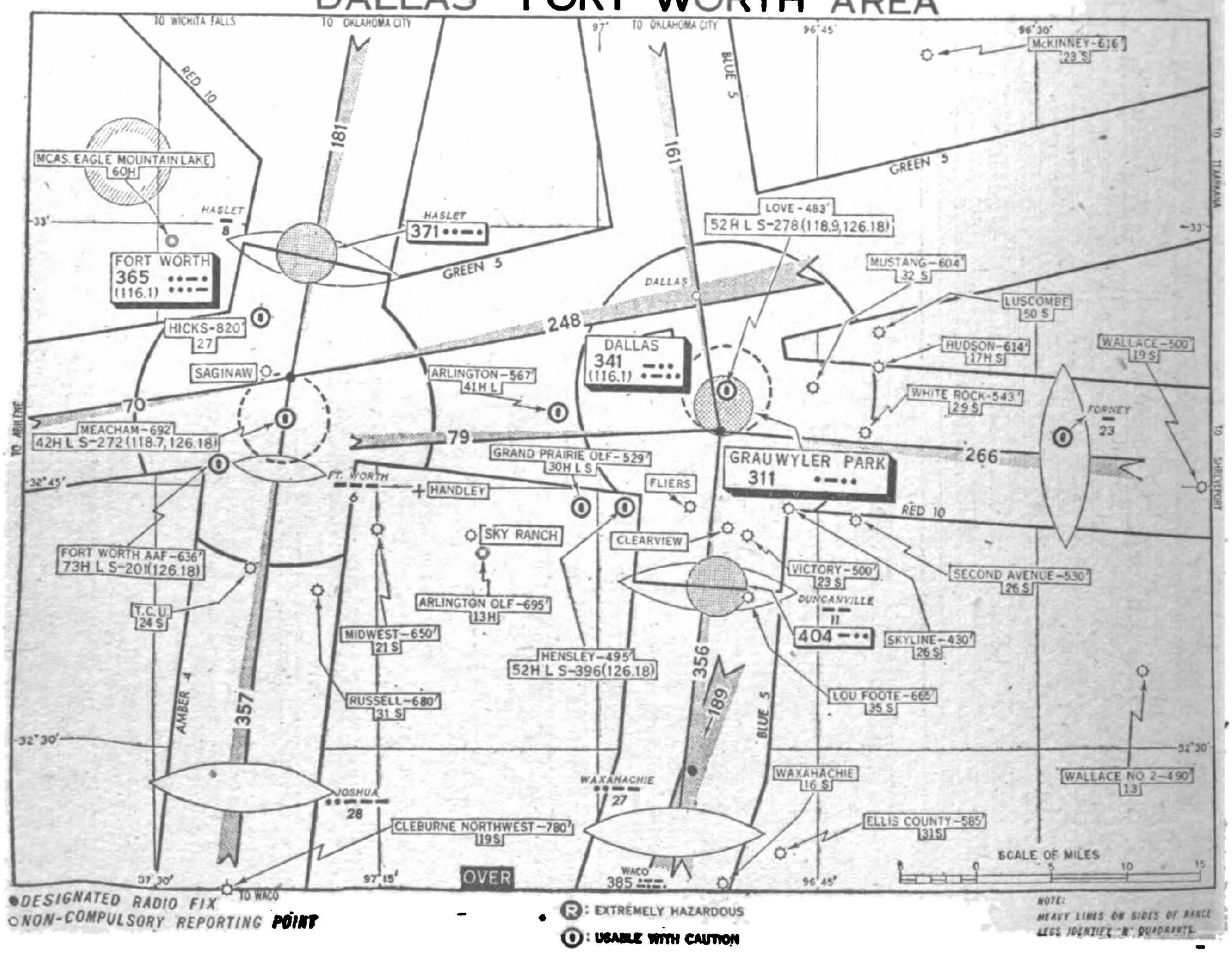
AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Arlington-Midway	6.8 NNE;RR S	567	41h L5	Poles S.
(N) " OLF (N)	4 SSW;rd W	695	13h	
Clearview (Dallas)	5.1 SSW;RR N	619	30h S6	80,91 oct.
Cleburne Northwest	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
(N) Eagle Mtn Lake MCAS (Newark) (N)	1 SSE;RR NE	745	60h	INACTIVE.
(P) Ellis Co. (Waxahachie)	3.5 NE;RR S	585	31 S2	73 oct.Pole line S.
Fliers (Dallas)	6.2 WSW;RR W	580	17 S4	80 oct.No sto.Trees S.
(A) Fort Worth AAF (A)	6.8 WNW;lake N	636	73h R1 L5 S6	73,91,100 oct.JP-1.
(N) Grand Prairie OLF (N)	1 WSW;RR N	529	30h L5 S4	73 oct.No bcn.
Handley	0.6 NE;RR S	630	26 S6	73 oct.
(A,N) Hensley (Dallas)(A)(N)	11 WSW;hwy N	495	52h R1 L5 S4	73,91,100 oct.
Hicks (Fort Worth)	12.5 NNW;lk W	820	27	
Hudson (Dallas)	9.6 NE;RR SE	614	17h S6	80,91 oct.Pole line W.
Lou Foote (Dallas)	8.8 S;hwy E	665	35 S6	73,80,91 oct. Bldgs N,NE.
LOVE (Dallas)	5 NNW;RR SW	483	52h R3 L6 S6	73-100 oct. Poles S.
Luscombe (Garland)	2.2 WSW;RR N	610	50 S5	80 oct.No storage.
McKinney	2.1 S;hwy W	616	23 S2	80 oct.Poles E,W.
(P) MEACHAM (Fort Worth)	5.5 NNW;hwy NE	692	42h R2 L6 S6	73,80,91,100 oct.
Midwest (Fort Worth)	5.3 ESE;RR NNE	650	21 L S4	80,91 oct.Port rnwy lgts.Pole line W,S.
Mustang (Dallas)	6 NNE;hwy NE	604	32 S6	80,91 oct.
(N) Russell (Fort Worth)	7 SSE;RRs E,W	680	31 S6	80,91 oct.
Second Avenue (Dallas)	7 SE;RR N	530	26 S1	73,80 oct.Use strips.Poles S.
Skyline (Dallas)	3.2 SSE;riv E	430	26 S6	80,91 oct. Trees NW.
T. C. U. (Fort Worth)	6.6 SW;RR S	710	24 S6	80,91 oct.
Victory (Dallas)	4.6 S;hwy W	500	23 S6	73,80 oct.No sto.Pole line E.
Wallace (Terrell)	2 W;RR S	500	19 S2	80 oct.
Wallace #2 (Kaufman)	4 W;hwy N	490	13	
Waxahachie	1.5 SSW;hwys E	558	16 S1	73 oct.
White Rock (Dallas)	6.7 ENE;RR NW	543	29 L S6	91 oct. Port rnwy lgts.
Sky Ranch (Arlington,Tex)	3 SW; RR N	590	25 S2	80 oct.
Saginaw (Tex.)	0.5 WNW;RR E	790	26 S6	80,91 oct.
Kingfish (Hinton,Okla)	3 N; hwy N		19 S1	80 oct. Data Unverified.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

OKLAHOMA CITY AREA



DALLAS - FORT WORTH AREA

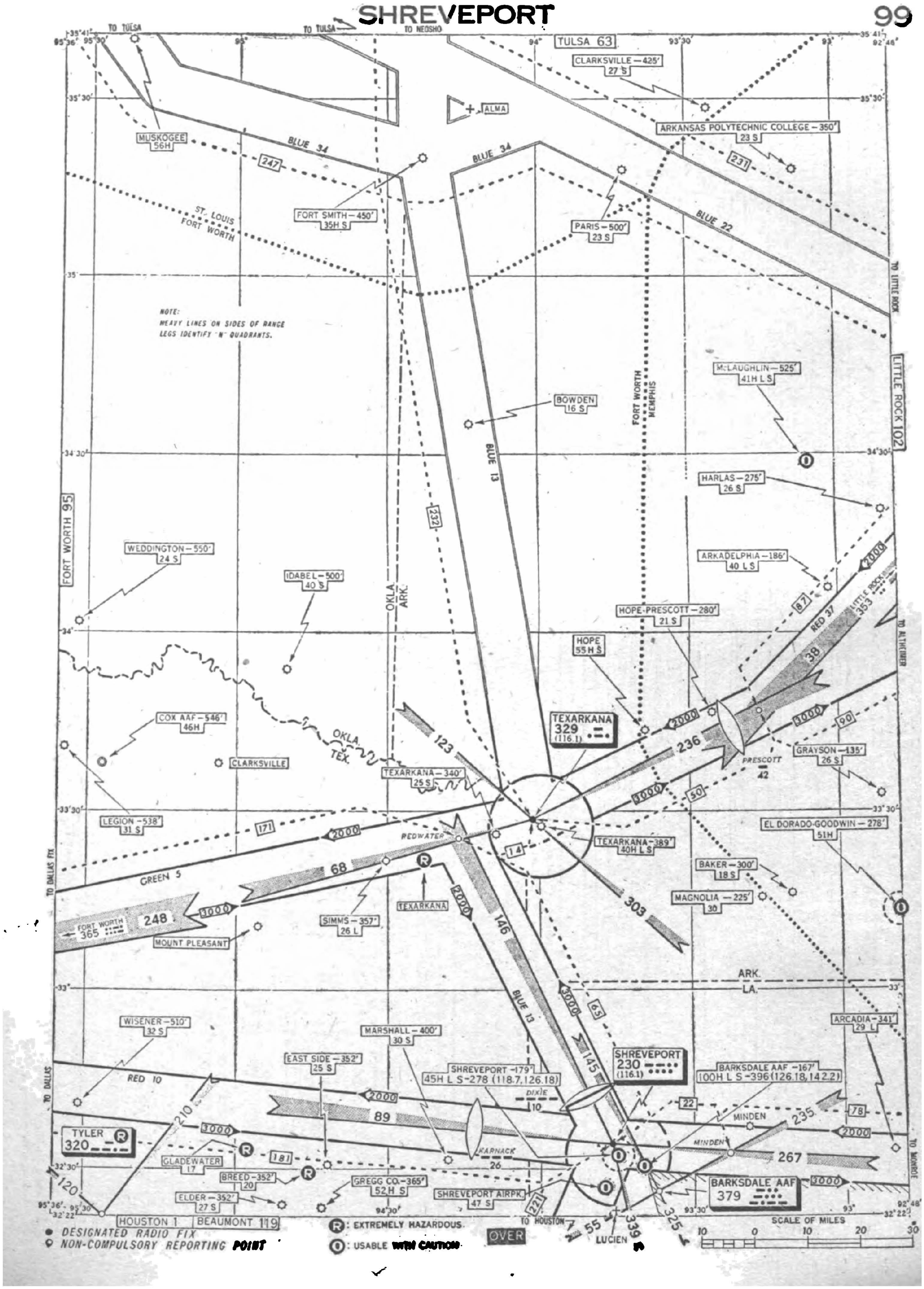


● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS
Ⓤ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS

SHREVEPORT


TO TULSA
TO TULSA
TO NEOSHO
TULSA 63
CLARKSVILLE — 425'
27 S
ALMA
ARKANSAS POLYTECHNIC COLLEGE — 350'
23 S
MUSKOGEE
56H
BLUE 34
247
231
FORT SMITH — 450'
35H S
PARIS — 500'
23 S
BLUE 22
ST. LOUIS
FORT WORTH
TO LITTLE ROCK
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY "N" QUADRANTS.
BOWDEN
16 S
FORT WORTH
MEMPHIS
McLAUGHLIN — 525'
41H L S
LITTLE ROCK 102
HARLAS — 275'
26 S
FORT WORTH 95
WEDDINGTON — 550'
24 S
IDABEL — 500'
40 S
OKLA.
ARK.
232
BLUE 13
ARKADELPHIA — 186'
40 L S
HOPE-PRESCOTT — 280'
21 S
HOPE
55 H S
RED 37
38
TO ALTHEIMER
COX AAF — 546'
46H
CLARKSVILLE
OKLA.
TEX.
123
TEXARKANA
329
(116.1)
TEXARKANA — 340'
25 S
PRESCOTT
42
GRAYSON — 135'
26 S
LEGION — 538'
31 S
171
REDWATER
TEXARKANA — 389'
40H L S
EL DORADO-GOODWIN — 278'
51H
BAKER — 300'
18 S
GREEN 5
68
TO DALLAS FTX
FORT WORTH
365
248
MOUNT PLEASANT
SIMMS — 357'
26 L
TEXARKANA
146
303
MAGNOLIA — 225'
30
ARK.
LA.
WISENER — 510'
32 S
MARSHALL — 400'
30 S
EAST SIDE — 352'
25 S
SHREVEPORT — 179'
45H L S-278 (118.7, 126.18)
BLUE 13
SHREVEPORT
230
(116.1)
BARKSDALE AAF — 167'
100H L S-396 (126.18, 142.2)
ARCADIA — 341'
29 L
RED 10
DIXIE
10
MINDEN
235
267
TO MONROE
TYLER
320
GLADEWATER
17
BREED — 352'
20
ELDER — 352'
27 S
GREGG CO. — 365'
52H S
KARNACK
26
SHREVEPORT AIRPK.
47 S
BARKSDALE AAF
379
TO DALLAS
210
120
89
181
221
22
78
65
145
HOUSTON 1
BEAUMONT 119
TO HOUSTON
55
339
325
LUCIEN
SCALE OF MILES
10 0 10 20 30
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS.
O: USABLE WITH CAUTION
OVER

RADIO

ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
PRESCOTT FM	(-)	FM, 56°, 42	Texarkana
TEXARKANA	329(TR)(116.1)	SBRAZ-VDT,123°,2.2	(4); 116.1

LOUISIANA

→BARKSDALE(Shreveport)(Army)	379 (DBY)	SBMRAZ	(3)
Barksdale Field	396(126.18,142.2)	CA(ILS);325°,4.4	(3); 126.18,142.2
DIXIE FM	(- - - -) +	FM, 326°, 10.2	Shreveport
SHREVEPORT	230(ZB)(116.1)	SBRAZ-VDT	(3); 116.1
Shreveport Airport	278(126.18,118.7)	AC; 146°, 1.8	(4); 142.74,131.9,118.7,126.18

TEXAS

KARNACK FM	(- - -)	FM, 269°, 26	Shreveport, La.
TYLER (Pounds)	320 (TQ)	BMRLZ-LT,120°,1.6	(4)

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs.)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Barksdale, La.	110.3	335	323°Mag.	IM- (.07),	MM- (1.00)	OM- (4.39)
					MMK-	OMK-
Barksdale, La.	106.9		143°Mag.	IM- (.25)	MM- ·····(.64)	OM- -- (4.35)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alma	1.5 SE		22 S2	80 oct. Data unver.
Arkadelphia,24,DL-LV	1.5 ENE,RR N	186	40 L3 S6	80 oct.Pole line N, NW.
→Arkansas Polytechnic (Russellville)	1.3 N,hwy W	350	23 S6	80 oct. Pole line SE.
Baker (Magnolia)	4.3 E,hwy S	300	18 S6	80, 91 oct.Pole line SW.
Bowden (Mena)	1 E,RR NW	1177	16 S1	73 oct.
Clarksville	2.5 E,hwy S	425	27 S1	80 oct.Pole line WSW.
(P) El Dorado-Goodwin (El Dorado)	8.6 W,hwy S	278	51h	
→(P) FORT SMITH	4 SSE,RR S	450	35h L3 S6	80,91 oct. 150' stacks W.
Grayson (Camden)	3.4 SW,RR S	135	26 S6	80,91 oct. No sto.
Greig (Van Buren) (NC)	4.1 E,RR I,5 N	450	13	
Harlas (Malvern)	2.1 WSW,RR SE	275	26 S1	73 oct. Power line NE.
Hope	5 NNW,RR E	359	55h L3 S6	80,91 oct.Lgts prior req.Use rnwy
Hope Prescott (Prescott)	3 SW,RR E	280	21 S6	80 oct.
→(P) McLaughlin (Hot Springs)	3 SW,RR N	525	41h L5 S6	80 oct.Bldg,twr N.All lgts prior req.
Magnolia	1.6 WSW,RR E	225	30	10' bldg SSW.
Norman (Ola)(NC)	1.8 NNE,hwy E	348	28	Pole line E.
Paris	1.8 NE,RR I S	500	23 S1	73 oct.Pole lines W,E,SW.
TEXARKANA	4 NE,RR W	389	40h R1 L5 S6	80,91,100 oct.

LOUISIANA

* Arcadia Int,26,FV-AG	4.5 E,RR S	341	29 L3 S2	No fuel. Pole line SW.
(A) Barksdale (Shreveport)(A)	5.8 E,riv W	167	100h R3 L5 S4	73,91,100 oct. JP-1.
Cross Lake (Shreveport)	7 WNW,RR NE	210	40	CAUTION. Data unver.
Lucien (Shreveport)	7 S	205	31 S4	80 oct.Data unver.
Minden	1.5 W,RR S	200	26 S4	80 oct.Trees sur fld.
Northeast Aviation (Bastrop)	2 WSW	90	17 S4	80 oct.No sto. Data unver.
(P) SHREVEPORT	2.5 NNE,riv E	179	45h R2 L5 S6	73,80 oct.
Shreveport Airpark	4.5 SSW,bet RRs	300	47 S6	80,91 oct.Pole line SE.

OKLAHOMA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Heavener (NC)	2 N,hwy W	575	27	
(P) Idabel	1.3 NW,RR E	500	40 S2	80 oct.
(P) Muskogee	5.5 S,RR W	610	56h	Hill SW.
→Nashoba (NC)	0.8 SE,riv S			ABANDONED.
Poteau (NC)	1.5 SSW,hwy W	460	15	
Weddington (Hugo)	1.9 NW,hwy SW	550	24 S1	80 oct. Pole line E.

TEXAS

→Breed (Longview)	2 W,RR N			ABANDONED.
Clarksville	2.8 NNW,RR SW	480	20 S6	73,80 oct.
(A) Cox AAF (Paris)(A)	6.5 ESE,RR N	546	46h	TMP INACT NO FACS(See Spl Not.)
→East Side (Longview)	2.4 NE,RR S	352	25 L S6	80,91 oct.Port rnwy lgts. Pole line S.
Elder (Kilgore)	2.5 NE,RR E	352	27 S6	80,87,91 oct.Pole line W.
→Gladewater	2 WNW,RR S			ABANDONED.
(P) Gregg County(Longview)	7.2 S,riv N	365	52h S1	80, 91 oct.
Holmes (Gilmer)(NC)	4 N,RR W	370	23	Pole line W. Cattle on fld.
Legion (Paris)	1.9 NW,RR E	538	31 S6	80 oct.Pole line E.
Mt. Pleasant	2.8 ENE,RR S	393	20 S1	80 oct.
Marshall	3.9 SE,hwy N	400	30 S6	73 oct. Pole line N.
* Simms Int, 14, DL-LV	1 NE,hwy E	357	26 L3	Pole line E, S.
Texarkana	6 W,RR N	340	25 L S6	80, 91 oct.Flare pots in emerg.
Wisener (Mineola)	1.5 NW,hwy S	510	32 S2	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted) →New or revised data

RADIO

ARKANSAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ADAMS FIELD (Little Rock)	278 (126.18,118.5)	C	(4); 126.18,118.5,131.9
BRUINS FM	(- - - -)	FM; 240°, 24	Memphis, Tenn.
LITTLE ROCK (Adams Field)	353 (LI)(116.1)	SBRAZ-VDT,313°,3.8	(3); 116.1
STUTTGART	269 (DSA)	MRLWZ,173°, 4.7	

LOUISIANA

MONROE (Selman)	359 (UO)(116.1)	SBMRLZ-VDT,25°,2.8	(4); 116.1

MISSISSIPPI

FLORA FM	(-)	FM, 350°, 13	Jackson
GREENWOOD	281 (GD)(116.1)	BMLZ-VDT, 265°,1.9	(4), 116.1
JACKSON	260 (JA)(116.1)	SBRAZ-VDT,173°,2.4	(3); 116.1
NESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
VICKSBURG	362 (VS)(116.1)	MHVT	(4); 116.1

TENNESSEE

CUBA FM	(-)	FM, 356°, 20.5	Memphis

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) ADAMS (Little Rock)	4 E,RR W	260	52h R2 L5 S6	80,91 oct.;73,100,JP-1 mil.acft.
Ashley Co.(Crossett)	5.5 NE,RR E	160	21 S1	Ltd 80 oct.Obsts surround fld.
Bailey (Cabot)	0.5 W,RR E	270	16 S1	80 oct. Trees surround fld.
Benton	1.6 W,RR S	300	20 S6	80 oct.Poles S.
Bowen (West Memphis)	1.5 W,hwy N	215	17 L S6	80 oct.Flood lgts.; port rnwy lgts. Poles SE.
(P) Brinkley, 37, DL-LV	1 E,RR N	188	31 L3 S1	80 oct days. Obst NW.
(A) Carlisle (Stuttgart)(A)	26 NW,RR S	236	45h	CLOSED
Central (Little Rock)	4.5 NE,RR S	255	35 S4	80 oct. Trees W' Data unver.
Commercial (De Witt)	2.4 W,RR N	196	24 S4	80 oct.Poleline E.
(P) Conway	1.5 SE,hwy W	309	32 S6	80 oct.
Dockery (Stuttgart)	1.5 NNW	214	24 S2	73,80 oct. Pole line N,S,E.
→ Elaine	1.3 N,RR E			ABANDONED
EL DORADO	1.5 S,RR W	265	24 S4	80 oct.
Erwin (Newport)	2.5 SSE	220	45h	
Forrest City	0.7 W,hwy SE	226	22 S2	80 oct. Bldg S.
Gilbrech (Palmer)	0.2 NE,RR S	178	17 S2	80 oct.N/S strip rough.Poles W.
(P) Grider (Pine Bluff)	5.5 SE,hwy N	210	45 L S6	73,80 oct. Port rnwy lgts.
(A) Hazen (Stuttgart)(A)	18.7 NNW,RR N	225	45h	CLOSED
J.B. Wilson (Joiner)	0.5 ENE,hwy W	225	15	Trees NE.
Levee (West Memphis)	2.4 E,RR N	215	24 L S4	Ltd 73 oct.Port rnwy lgts.Poleline N, S.
McGehee	0.6 NNW,RR E	145	30 S1	80 oct. Hwy E.
Newport	6 ENE,hwy N	237	50h	
Overholt (Cotton Plant)	3 W,RR NE	250	18 S1	Ltd 80 oct.
(A) Prairieville (Stuttgart)(A)	8.2 SE	205	45h	CLOSED
Round Pond	1.5 NNW,hwy N	200	22 S2	80 oct.
Searcy	2.8 S,RR E	260	14 S1	80 oct. Pole line NE, SE
(A) Stuttgart AAF (A)	7 N,RR E	230	50h	CLOSED
Thompson-Robbins (Helena)	6 NW, RR S	242	20h S6	73, 80 oct.
Tony (Pine Bluff)	2.5 N,hwy W	215	28 S2	73,80 oct. Twr NW lgtd.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → New or revised data

ARKANSAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Tucker (Hughes)	1 1 S,RR W	205	26 S2	80 oct.
Wright (Monticello)	1 ENE,hwy S	220	15	Pole line S.
Wynne	3 2 N,RR E	212	17 S2	80 oct. Pole line E,SE

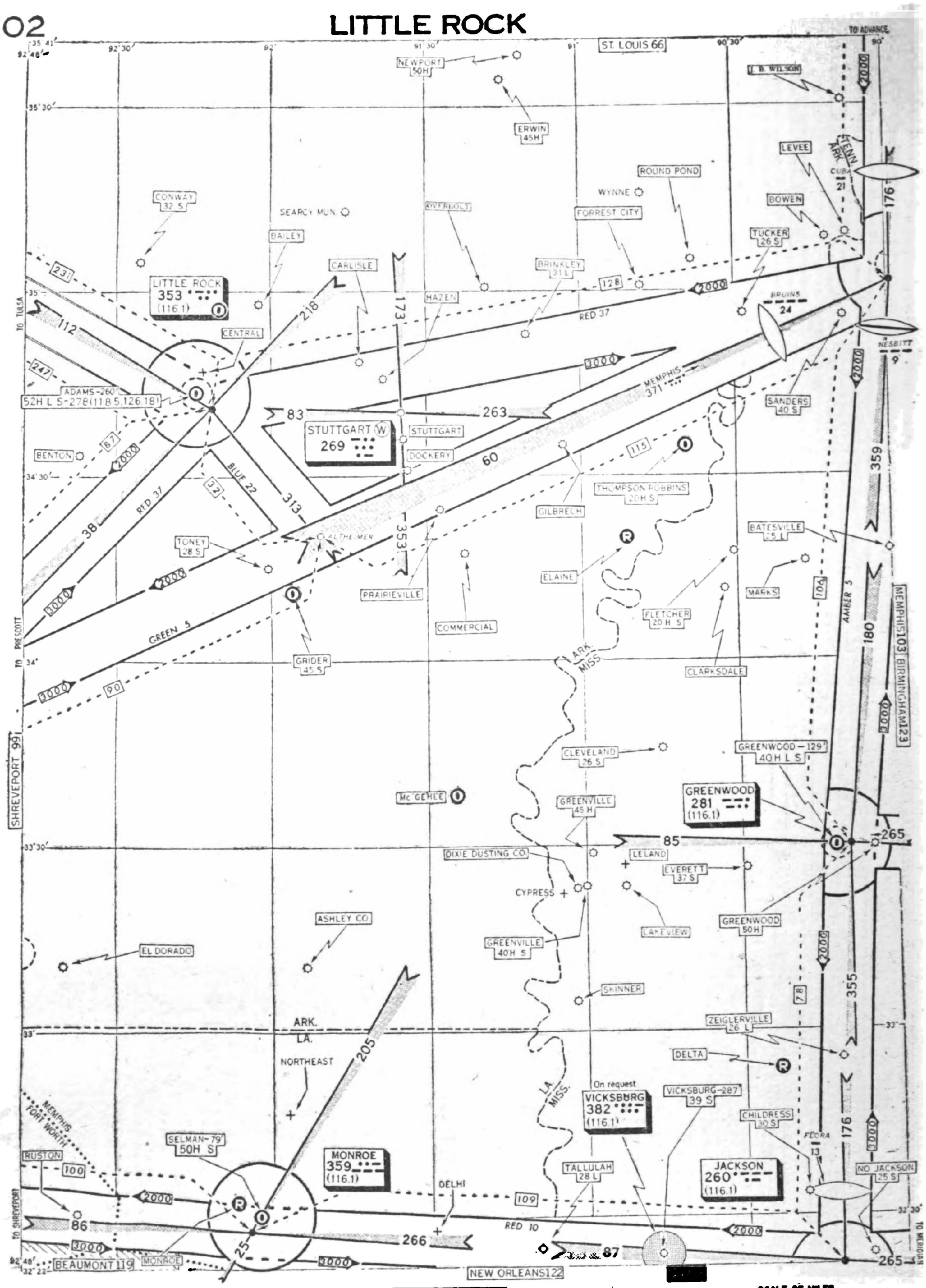
LOUISIANA

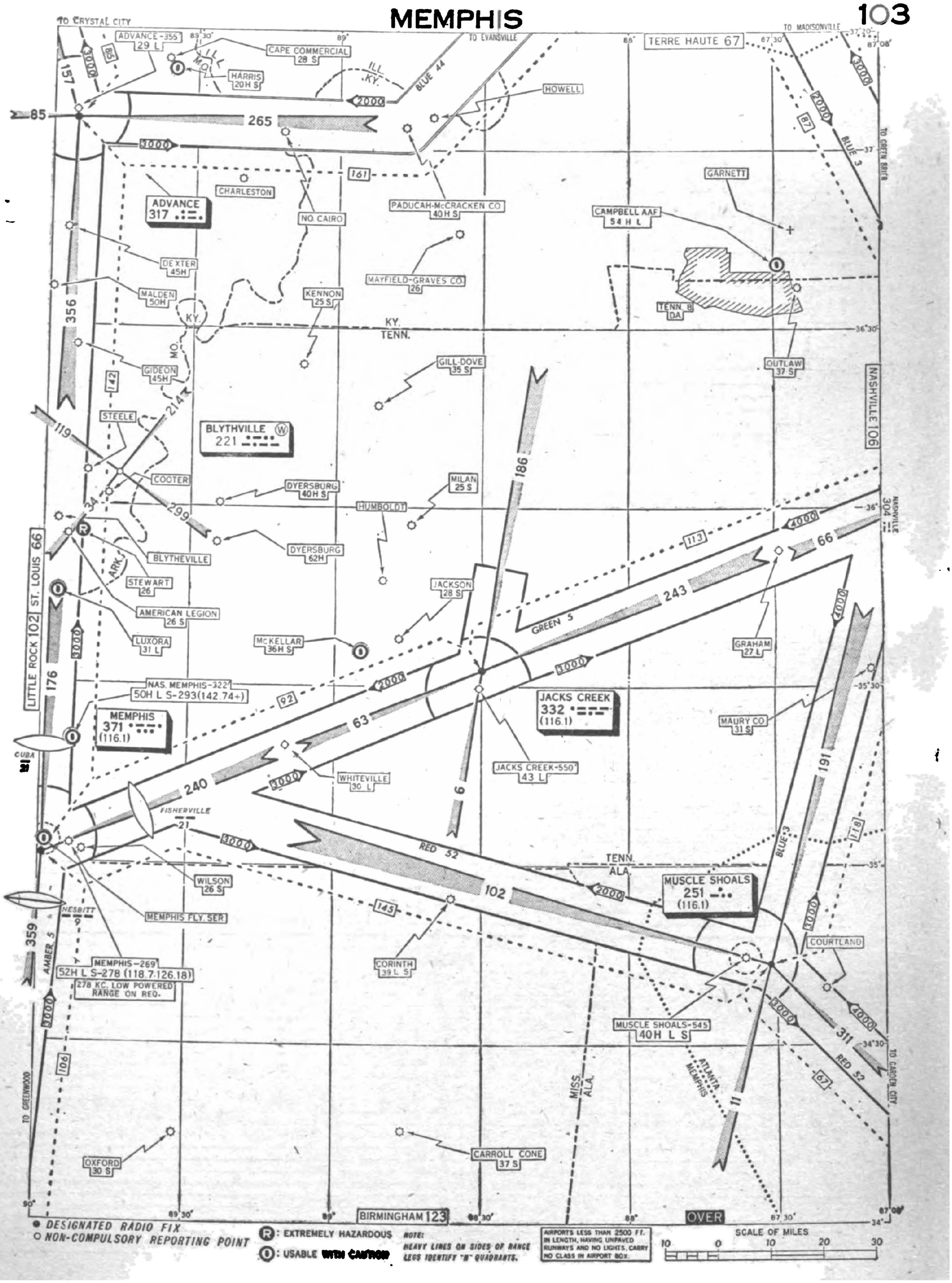
Delhi Flying Service (Delhi)	0 5 N	95	23 S4	80 oct.Poleline E.Data unver.
Monroe Airpark	2 5 N,riv W	77	20 S4	73 oct.
Ruston	1 2 SE,RR N	317	32 L S6	80,91 oct Lgts prior req.1600 rnwy hard surface.
SELMAN (Monroe)	1 0 E,RR N	79	50h R1	80,91 oct.
★ Tallulah Int,36,FV-AG	2 4 NE,RR S	84	28 L3	Beacon S.

MISSISSIPPI

Augustine (Jackson)(NC)	11 5 NE,riv SE	335	40	
★ Batesville Int,29,NO-LS	3 W,hwy SE	205	25 L3	Poles N, lgtd.
Childress (Flora)	1 5 NNW,RR E	186	30 S1	73 oct,Trees, bldg N
Clarksdale	1 5 SE,hwy NW	175	22 S6	73 oct. Use strips only.
Cleveland	2 NW,hwy S	400	26 S6	73 oct.
Cole (Heads)(NC)	3 NE,RR W	118	16	
Cypress (Greenville)	1 5 SSW,lake E	120	28 S1	80 oct. Data unver.
Delta (Yazoo)	3 3 NNE,RR SE	115	21 S1	73 oct.Pole line N.
Dixie Dusting Co. (Greenville)	2 SE,RR,hwy N	116	16 S4	73 oct. No sto.
Everett (Moorhead)	1 SE,RR N	127	37 S6	73 oct. No sto.
Fletcher (Clarksdale)	8 NNE,RR W	175	20h S6	80, 91 oct.
Greenville, mun.	3.5 ESE,hwy N	118	40h S1	80, oct.
(A) Greenville AAF (A)	6.5 NE,road W	141	45h	CLOSED
GREENWOOD, mun.	2.3 SW,RR SE	129	40h R1 L5 S2	73,80 oct.Pole line E,SE.
(A) Greenwood AAF (A)	5.8 ESE,hwy N	162	50h	CLOSED
Lakeview Airpark (Leland)	1.7 SE,lake E	120	18 S4	73 oct.No sto.Data unver.
Leland	3 NNE		23 S4	80 oct.No sto.Pwrline NW. Data unver.
Marks	1.5 NW,hwy N	106	22 S1	73 oct.
North Jackson Arpk.(Jackson)	7.5 NE,hwy E	300	25 S4	80 oct.No sto.Trees S.
(P) Sanders (Walls)	1.8 S,hwy NW	210	40 S6	73,80 oct.Trees E.
Skinner (Glen Allan)	4 N,lake W	110	18 S1	73 oct.
Vicksburg	6.8 NE,hwy W	287	39 R1 S4	80,91 oct.
★ Zeiglerville Int,19,NO-LS	3 SW,riv N	248	26 L2	Twr SE.Trees E,S,SE.
→ Lee (Canton,Miss.)(NC)	1 4 WNW;RR E	300	38	Tank E

LITTLE ROCK


ST. LOUIS 66
TO ADVANCE
NEWPORT 50H
ERWIN 45H
J. B. WILSON
LEVEE
ROUND POND
WYNNE
FORREST CITY
BOWEN
TUCKER 26 S
CONWAY 32 S
SEARCY MUN.
BAILEY
OVERFOLT
CARLISLE
BRINKLEY 31 L
LITTLE ROCK 353 (116.1)
HAZEN
RED 37
BRUINS 24
NESBITT
CENTRAL
ADAMS-260'
52H L S-278(118.5,126.1R)
MEMPHIS 371
SANDERS 40 S
STUTTGART W 269
STUTTGART
DOCKERY
BENTON
BLUE 22
THOMPSON ROBBINS 20H S
GILBRECH
BATESVILLE 25 L
ALTHEIMER
TONEY 28 S
PRAIRIEVILLE
ELAINE
MARKS
FLETCHER 20 H S
COMMERCIAL
GREEN 5
GRIDER 45 S
CLARKSDALE
ARK. MISS
AMBER 5
MEMPHIS 103 BIRMINGHAM 123
CLEVELAND 26 S
GREENWOOD—129' 40H L S
GREENWOOD 281 (116.1)
McGEHEE
GREENVILLE 45 H
DIXIE DUSTING CO.
LELAND
EVERETT 37 S
CYPRESS
LAKEVIEW
GREENWOOD 50H
GREENVILLE 40H S
SKINNER
ZEIGLERVILLE 26 L
DELTA
ASHLEY CO.
EL DORADO
NORTHEAST
On request
VICKSBURG 382 (116.1)
VICKSBURG-287 39 S
CHILDRESS 30 S
FLORA
NO JACKSON 25 S
SELMAN-79' 50H S
MONROE 359 (116.1)
TALLULAH 28 L
JACKSON 260 (116.1)
DELHI
RUSTON
MEMPHIS FORT WORTH
BEAUMONT 119
MONROE
NEW ORLEANS 122
TO PRESCOTT
TO TULSA
SHREVEPORT 99
TO SHREVEPORT
TO MERIDIAN
ARK. LA.
LA. MISS.
RED 10
35' 41'
92° 48'
92° 30'
92°
91° 30'
91°
90° 30'
90°
35° 30'
35°
34° 30'
34°
33° 30'
33°
32° 30'
32° 22'
92° 48'
112
231
247
218
173
83
263
3000
2000
60
115
38
313
353
359
180
176
355
265
85
266
87
205
100
109
86
90
97
128
13
24
9
78
104
25
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE ARE MILITARY "R" BOUNDARIES.
AIRSPACE LESS THAN 2000 FT. IS UNCONTROLLED, HOWEVER UNPAVED AIRPORTS ARE NO LIGHTS, CARRY NO CLASS IN AIRPORT SYM.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30


TO CRYSTAL CITY
ADVANCE-355
29 L
CAPE COMMERCIAL
28 S
HARRIS
20H S
ILL.
MO.
ILL.
KY.
BLUE 44
TO EVANSVILLE
HOWELL
TERRE HAUTE 67
TO MADISONVILLE
BLUE 3
TO GREEN BRIER
NASHVILLE 106
85
265
157
CHARLESTON
ADVANCE
317
NO. CAIRO
PADUCAH-McCRACKEN CO
40H S
CAMPBELL AAF
54 H L
GARNETT
DEXTER
45H
MALDEN
50H
KENNON
25 S
MAYFIELD-GRAVES CO.
26
TENN. 8
DA
KY.
TENN.
GIDEON
45H
GILL-DOVE
35 S
OUTLAW
37 S
STEELE
BLYTHVILLE
221
COOTER
DYERSBURG
40H S
MILAN
25 S
HUMBOLDT
DYERSBURG
62H
BLYTHEVILLE
STEWART
26
AMERICAN LEGION
26 S
LUXORA
31 L
McKELLAR
36H S
JACKSON
28 S
GREEN 5
GRAHAM
27 L
LITTLE ROCK 102
ST. LOUIS 66
NAS. MEMPHIS-322
50H L S-293(142.74+)
MEMPHIS
371
(116.1)
JACKS CREEK
332
(116.1)
JACKS CREEK-550'
43 L
WHITEVILLE
30 L
MAURY CO
31 S
FISHERVILLE
RED 52
TENN.
ALA.
MUSCLE SHOALS
251
(116.1)
WILSON
26 S
MEMPHIS FLY. SER
NESBITT
MEMPHIS-269
52H L S-278 (118.7-126.18)
278 KC. LOW POWERED
RANGE ON REQ.
CORINTH
39 L S
COURTLAND
MUSCLE SHOALS-545
40H L S
MISS.
ALA.
ATLANTA
MEMPHIS
TO GREENWOOD
CUBA
OXFORD
30 S
CARROLL CONE
37 S
BIRMINGHAM 123
OVER
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "B" QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
MUSCLE SHOALS	251 (ED)(116.1)	SBRAZ-VDT, 282°, 4.5	(4); 116.1
ARKANSAS			
BLYTHEVILLE	221 (LY)	RLWZ, 225°, 13.6	
KENTUCKY			
MISSISSIPPI			
NESBITT FM	(- - -)	FM, 179°, 9.4	Memphis, Tenn.
MISSOURI			
ADVANCE (Int.)	317 (AP)	SBRAZ-DT, 354°, 1.5	(4)
TENNESSEE			
CUBA FM	(-)	FM, 356°, 20.5	Memphis
FISHERVILLE FM	(- -)	FM, 60°, 20.5	Memphis
JACKS CREEK (Int.)	332 (JK)(116.1)	BMRLZ-VDT, 186°, 2.62	(4); 116.1
MEMPHIS	371 (PS)(116.1)	SBRAZ-VDT	(3); 116.1
Memphis Airport	27[1](126.1;8.7)+	AC(IIS); 356°, 2.1	(4); 131.9, 118.7 See Memphis Notice to Airmen
Memphis Airport	278	MLW	(On request only)
Memphis NAS	293 (142.74)	CM	3105; 142.74 (6-24)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Memphis, Tenn.	106.5	333.8	90°Mag.	IM-	MM- ·-·- (.66)	OM- -·- (4.9)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul Range and Voice; W-Without Voice; Z VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) Courtland AAP (A)	1.5 SW; RR N	588	50h	CLOSED
Muscle Shoals	1.5 E; dam NNW	545	40h R1 L5 S6	80, 91 oct.
ARKANSAS				
American Legion (Blytheville)	1.5 ESE; RR N	260	26 S6	80 oct. Pole line N. W. Stack E.
Cooter (Blytheville)	10 NE	260	40h	
★ Luxora Int, 39, NO-LS	1 WNW; hwy S	240	31 L2	
Steele (Blytheville)	12.3 N	258	40h	
→ Stewart (Blytheville)	2.2 E; RR S			ABANDONED
(A) Blytheville AAP(A)	3 NW; RR SW	254	50h	
ILLINOIS				
North Cairo (Cairo)	3 NNW; RR E	312	24 S4	73 oct.
KENTUCKY				
(A) Campbell AAP (Hopkinsville)(A)	12.8 S; RR E	557	54h L5	
Garnett (Hopkinsville)	6 SSE; hwy W		23 S1	80 oct. Data not verified.
Howell (Paducah)	4 WNW; RR S	371	21 S6	80 oct.
Mayfield-Graves County	3.6 ENE; hwy S	543	26	
PADUCAH-McCRACKEN CO. (Paducah)	8.8 W; RR N	405	40h S6	80, 91 oct. No sto.
MISSISSIPPI				
(P) Carroll Cone (Tupelo)	3 W; hwy S	338	37 S1	80 oct.
Corinth 7, PS-TM	5 WSW; hwy N	418	39 L3 S4	80,91 oct.
(P) Oxford	8 S; riv N, W	400	30 S2	73 oct.
MISSOURI				
★ Advance Int, 48, NO-LS	0.8 WSW; RR S	355	29 R1 L3	
Cape Commercial (Cape Girardeau)	4.8 SW; RR S	340	28 S6	80,91 oct. 8' dike S.
Dexter (Malden)	12.5 NNE	315	49h	
Harris (Cape Girardeau)	6.5 SSW; hwy E	340	20h S6	80, 91 oct.
Harvey Parks (Sikeston)(NC)	2 NE; RR S	315	66	Pole line W. Allway area.
Malden	3.5 NW; RR E	296	50h	
Gideon (Malden)	1 SE of Gideon	268	45h	
TENNESSEE				
Dyersburg	9 S; RR E	289	62h	
Dyersburg, mun.	2 SW; riv N	337	40h S4	80 oct. No sto.
Embry Riddle (Union City)	5 ESE; riv NNW	340	18h	Allway: 4620 x 3960'.
(P) Gill-Dove (Martin)	3.5 S; hwy E	416	35 S6	80 oct.
★ Graham Int, 59, DL-LV	1.5 NW; hwy E	536	27 L3	
Humboldt	4.6 ESE; hwy W	380	15 S1	80 oct.
★ Jacks Creek Int, 53, DL-LV	2 N; hwy E	550	43 R1 L3	
Jackson	2.5 ENE; hwy NW	450	28 S6	80 oct.
Kennon (Union City)	3.2 WSW; hwy N	350	25 S6	80 oct. No sto. Pole line N.
(P) McKellar (Jackson)	5.8 W; RR S	410	36h S6	80 oct.
Maury County (Mt. Pleasant)	2.5 ENE; RR SW	672	31 S2	80 oct. Pole line NW.
(A) MEMPHIS	5.9 SSE; RR NE	269	52h R3 L6 S6	73, 91, 100 oct. JP-1. Radio required. Obst W,SE,S,NW.
Memphis Flying Service (Memphis)	11 SE; RR 3 NW	286	35 L4 S6	80,91 oct. Pole line S. No ben. Lgts prior req.
(M) Memphis NAS (M)	16 NNE; RR NW	322	50h R1 L5 S6	91, 100 oct. NATS. Runway, lgtg info not ver.
Milan	2.8 NNE; RR SE	421	25 S5	80, 91 oct.
Outlaw (Clarksville)	7.4 NNW; RR W	550	37 S5	80 oct.
Wilson (Memphis)	11.5 SE; hwy W	320	26 S6	73 oct.
★ Whiteville Int, 49, DL-LV	0.6 NNW; RR E	404	30 L3	
Charleston (Mo.)	1 ESE; RR NW	300	31 S2	80 oct. Poles S.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) (NC)-Not charted. → NEW OR REVISED DATA

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
GARDEN CITY FM	(. . -)	FM, 358°, 28	Birmingham
KENTUCKY			
BOWLING GREEN	368 (BA)	SBMRAZ-DT, 296°, 3.8	(4)
TENNESSEE			
BERRY FIELD (Nashville)	278(118.3,126.18)	AC (ILS)	(4);126.18,118.3,131.9
→ CHATTANOOGA	341 (CB)(116.1)	SBMRAZ-VDT	(3);116.1
Chattanooga-Lovell Field	278(126.19,118.9)	C, 203°, 5	(4);126.14,118.9
FAIRVIEW FM	(- - -)	FM, 246°, 28	Nashville
GREEN BRIER FM	(- - - -)	FM, 331°, 23	Nashville
KINGSTON FM	(- - - -)	FM, 276°, 27.5	Knoxville
MT. JULIET FM	(-)	FM, 66°, 9.6	Nashville
NASHVILLE (Berry)	304 (NA)	SBMRAZ-DT, 245°, 2.6	(3)
SMITHVILLE (Int)	347 (XM)(116.1)	SBMRAZ-VDT, 177°, 1.4	(4);116.1
SMYRNA AAF (Nashville)	219 (126.18)+	CA (ILS)	(3);126.18
WALTERHILL FM	(- -)	FM, 129° 19.6	Nashville

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
BERRY, TENN.	109.9		14° Mag.	IM	MM (.81)	OM (4.17)	
					MMK	OMK	
SMYRNA AAF, TENN.	109.5	335	230° Mag.	IM (.04)	MM ..... (.81)	OM -- (4.31)	
					MMK	OMK	

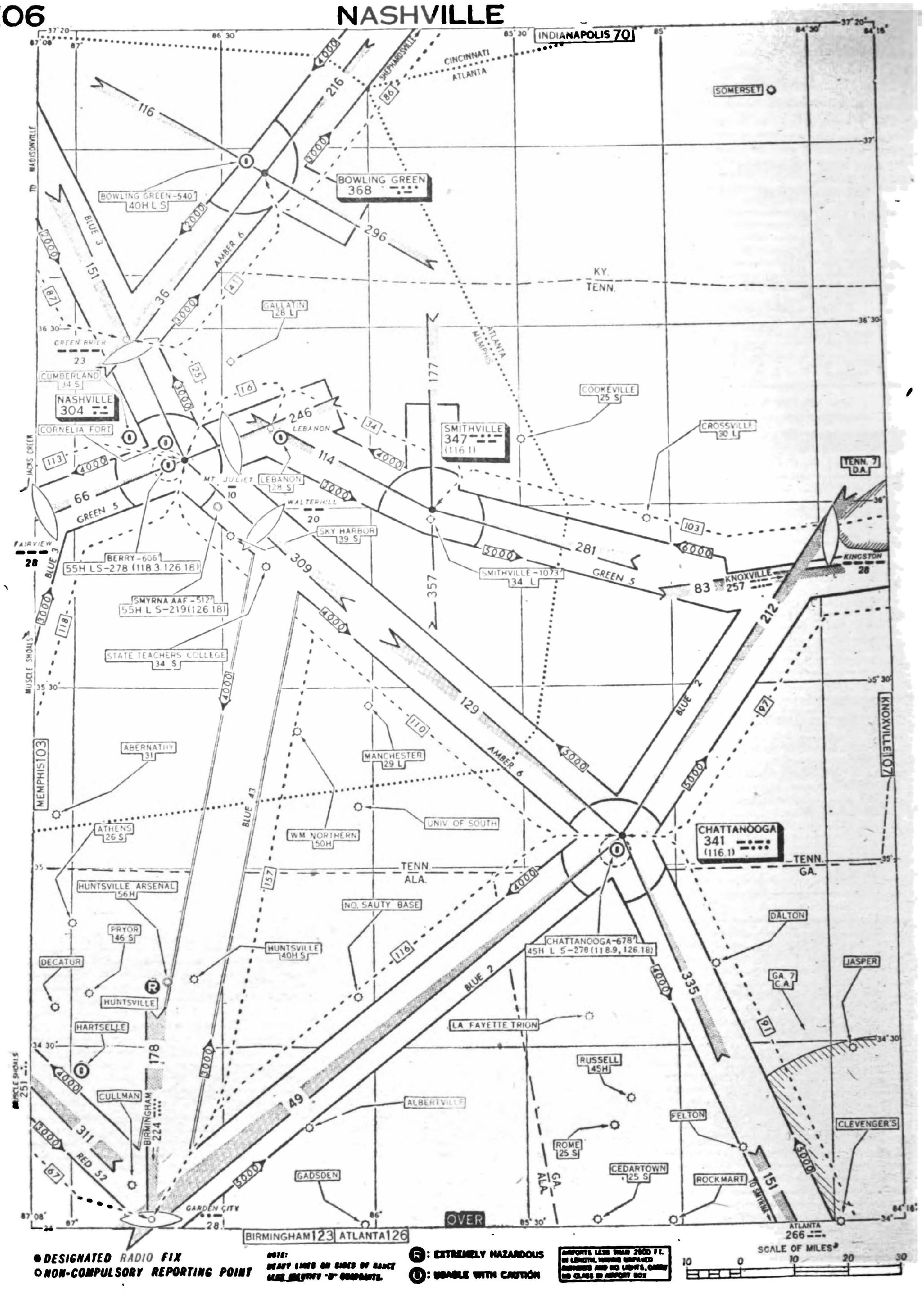
S-Simul Range and Voice, W-Without Voice; Z VHF Range Station Location Marker. (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Albertville	1 NW;RR NE	1063	15 S1	80 oct.
Athens	3.2 NNW;hwy E	690	26 S2	80 oct. Lgt acft only.
Beaver Dam (Decatur)(NC)	7 E;RR W	580	20	
Centre (NC)	0.6 NNW;RR E	720	23	
Cullman	5 SSE;RR E	740	15 S2	73 oct.
Decatur	4 WNW;hwy N	577	19	Pwr line W.
Gadsden	1.9 SW;hwy N	540	20 S2	80 oct. Fld rough.
Guntersville Dam (NC)	9.1 NW;hwy E	600	30	
Hartselle	1 WSW;hwy N	588	18	
HUNTSVILLE	3.1 S;RR E	610	40h S1	80 oct.
(A) Arsenal (A)	7 SW;RR NW	677	56h	
North Sauty Base (Scottsboro)	3.2 SSW;RR NNE	610	20 S1	80 oct.
Pryor (Decatur)	4 NNE;hwy W	588	46 S4	80,91 oct.
GEORGIA				
Cedartown	1 W;road S	850	25 S4	80 oct. Pole lines N,W; hill SW.
Clevenger's Airpark (Marietta)	5 NE;RR W	1080	14 S4	Lts 80 oct. No storage.
Dalton	5.7 ESE	700	22 S1	80 oct.
Pelton (Cartersville)	2.5 N	790	23	Hills S,W,N; wires E,W.
Jasper	1 N;RR W	1935	17 S2	80 oct.
La Fayette-Trion (Trion)	3 NNE;RR W	722	21 S1	80 oct. Hwy E.
Rockmart	2 ENE;RR W	800	20 S1	80 oct. Pole line W.
Rome	3 NW;RR S	669	25 S6	80 oct. No storage.
(P) Russell (Rome)	7 N;hwy W	644	45h	
KENTUCKY				
(P) Bowling Green	2.5 SSE;hwy W	540	40h R1 L5 S4	80,91 oct.No sto.Fld lgts prior req.
Somerset	5 N; RR W		20 S2	80 oct. Data not verified.
TENNESSEE				
(P) Abernathy (Pulaski)	3.6 SSW;hwy NE	650	31 S1	80 oct. Trees E.
(P) BERRY (Nashville)	6 SE;hwy S	606	55h R3 L6 S6	73,100 oct.
Boyd (McMinnville)(NC)	4.6 SW;RR N	1000	20	
CHATTANOOGA	5.5 E;RR E	678	45h R2 L5 S6	80,91 oct.
Cookeville	1.5 NNE;RR N	1050	25 S4	80 oct. Sto in emerg. Poles W.
Cornelia Fort (Nashville)	4 ENE;riv E	420	30 S6	80 oct. Data not verified.
Crossville,9,NA-WA	3.3 WNW;hwy S	1862	30 L3	
Cumberland (Nashville)	3 NNW;riv N	400	34 S6	80 oct. No storage.
★ Gallatin Int,66,DL-LV	1.5 NW;hwy NE	557	28 L3	
Lebanon	1.8 SW;hwy E	522	28 S6	73 oct. No storage.
★ Manchester Int,16A,AG-NA	4.5 ESE;hwy SW	1090	29 L3	53' trees. W,N.
Sky Harbor (Murfreesboro)	7.3 NW;hwy SW	560	39 S6	73 oct. No storage. Poles NE.
★ Smithville Int,5,NA-WA	1 E;road S	1073	34 R1 L3	
(A) Smyrna AAP (Nashville)(A)	17 SE;RR SW	512	55h R3 L5 S6	73,91,100 oct. JP-1. No rng.
State Teachers College(Murfreesboro)	2 E;hwy N	600	34 S4	80 oct. No storage. Poles N.
University of South (Cowan)	1.8 WNW;RR NE	870	23 S2	80 oct.
William Northern (Tullahoma)	2 WNW;road S	1081	50h	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII). (NC)-Not charted. → NEW OR REVISED DATA

NASHVILLE



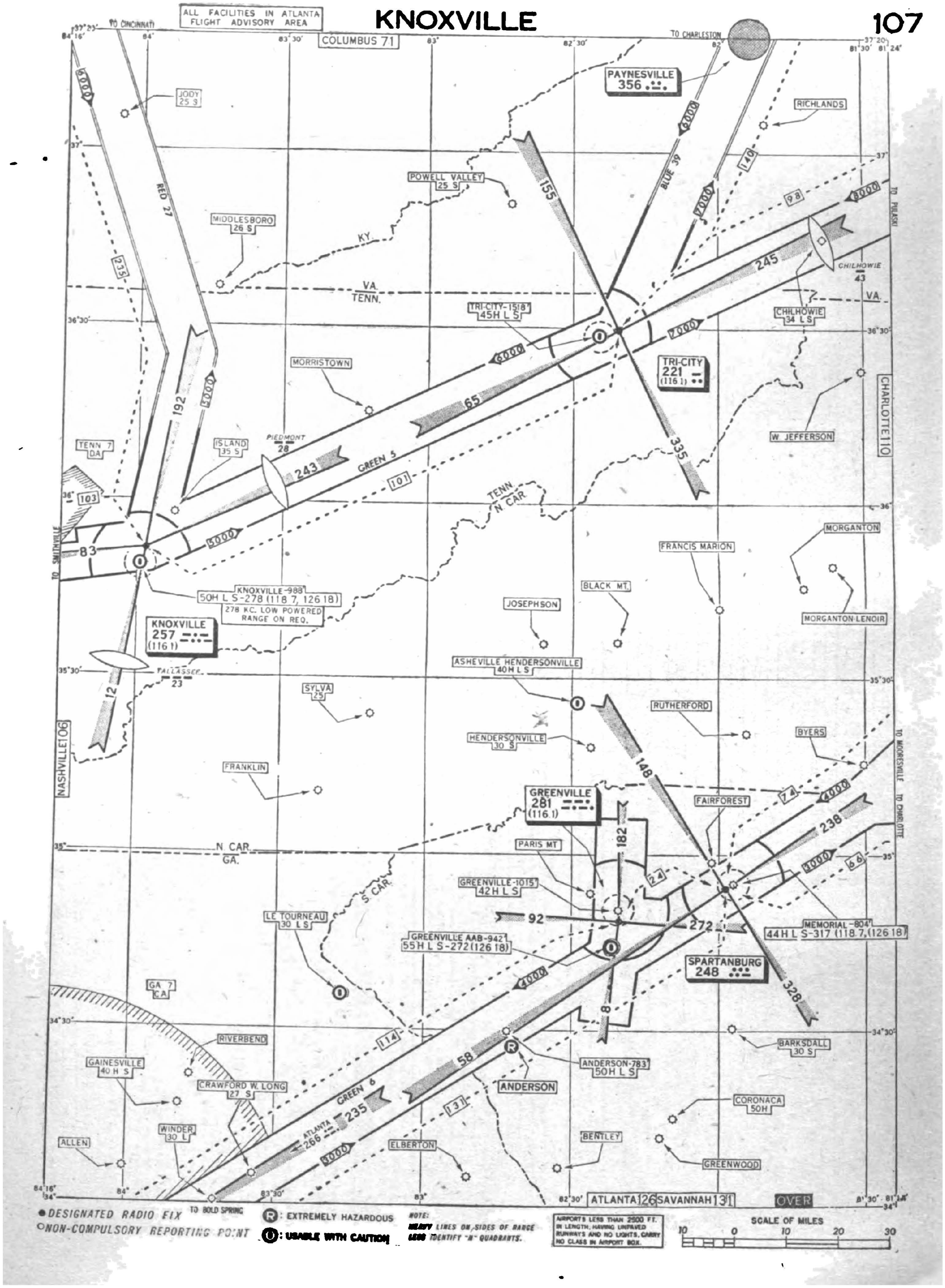
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF BASIC ALSE SELECTIVE "B" BOUNDARYS.

Ⓡ: EXTREMELY HAZARDOUS
Ⓛ: USABLE WITH CAUTION

AIRPORTS LESS THAN 3500 FT. OR LIGHTED, RUNWAYS UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS OR AIRPORT BOX

KNOXVILLE


ALL FACILITIES IN ATLANTA FLIGHT ADVISORY AREA
COLUMBUS 71
TO CINCINNATI
TO CHARLESTON
PAYNESVILLE 356
JODY 25 S
RICHLANDS
POWELL VALLEY 25 S
MIDDLESBORO 26 S
RED 27
BLUE 39
155
140
98
245
CHILHOWIE 43
TO PULASKI
KY.
VA.
TENN.
TRI-CITY-1518 45H L S
CHILHOWIE 34 L S
TRI-CITY 221 (116.1)
MORRISTOWN
192
65
243
GREEN 5
335
W. JEFFERSON
CHARLOTTE 110
TENN 7 DA
ISLAND 35 S
PIEDMONT 28
101
TENN.
N. CAR.
103
83
TO SMITHVILLE
KNOXVILLE-988 50H L S-278 (118.7, 126.18)
278 KC. LOW POWERED RANGE ON REQ.
KNOXVILLE 257 (116.1)
FRANCIS MARION
MORGANTON
BLACK MT.
JOSEPHSON
MORGANTON-LENOIR
ASHEVILLE HENDERSONVILLE 40H L S
FALLASSEE 23
SYLVA 25
HENDERSONVILLE 30 S
RUTHERFORD
BYERS
12
148
NASHVILLE 106
FRANKLIN
GREENVILLE 281 (116.1)
FAIRFOREST
74
238
66
TO MOORESVILLE
TO CHARLOTTE
N. CAR.
GA.
S. CAR.
PARIS MT
182
24
GREENVILLE-1015 42H L S
92
272
LE TOURNEAU 30 L S
GREENVILLE AAB-942 55H L S-272 (126.18)
MEMORIAL-804 44H L S-317 (118.7, (126.18)
SPARTANBURG 248
328
GA.
CA.
RIVERBEND
BARKSDALL 30 S
GAINESVILLE 40 H S
CRAWFORD W. LONG 27 S
GREEN 6
ATLANTA 235
114
58
131
ANDERSON-783 50H L S
ANDERSON
CORONACA 50H
WINDER 30 L
ALLEN
ELBERTON
BENTLEY
GREENWOOD
ATLANTA 126 SAVANNAH 131
OVER
TO BOLD SPRING
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
U: USABLE WITH CAUTION
NOTE: HEAVY LINES ON SIDES OF BARGE LEGS IDENTIFY "R" QUADRANTS.
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

RADIO — SOUTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ANDERSON	236 (AS)(116.1)	MHVT	(4); 116.1
GREENVILLE	281 (GC)(116.1)	BMLZ-VDT, 2°, 2	(4); 116.1
Greenville AAB	272 (126.18)+	CA	(3); 126.18
MEMORIAL AIRPORT (Spartanburg)	317 (126.18) (118.7)	C	(4);118.7,126.18,131.9
SPARTANBURG (Memorial Arpt)	248 (SU)	SBRAZ-DT,58°,1.6	(3)

TENNESSEE

KNOXVILLE	387 (KX)(116.1)	SBRAZ-VDT	(3); 116.1
Knoxville Airport	278 (126.18) (118.7)	C(ILS); 192°, 2.8	(4); 118.7, 126.18, 131.9
Knoxville Airport	278	(Low powered range)	(4)(on req.)
PIEDMONT FM	(- -)	FM, 66°, 28	Knoxville
TALLASSEE FM	(- - -)	FM, 192°, 23	Knoxville
TRI-CITY	221 (TI)(116.1)	SBMRAZ-VDT,252°, 3.3	(4), 116.1

VIRGINIA

CHILHOWIE FM	(-)	FM, 65°, 43	Tri City, Tenn.

WEST VIRGINIA

PAYNESVILLE	356 (IR)	H	Operated by P.C.A.(6-23)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
→ Knoxville, Tenn.	110.3	335	400°Mag.	IM-	MM- ·-·-· 0.6	OM- - - 4.5	
					MMK-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — GEORGIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Allen (Buford)	1.5 S,hwy SW	1070	15 S1	80 oct. Pole line SW.
Crawford W. Long (Jefferson)	2.5 S,RR E	950	27 L1 S1	80 oct. Pole line SE.
Elberton	2 SE,hwy W,N	710	16 S1	80 oct. Obst sur fld.
→ Gainesville	1.5 S,RR E,NW	1277	40h(L5)S6	80,91 oct.Lgts on req.
(P) Le Tourneau (Toccoa)	2.5 NE,RR S	950	30 L3 S4	80, 91 oct.
Riverbend(Gainesville)	4.5 N, in bend of river	1200	17 S1	80 oct.Steep grade NNW end.
★ Winder Int,4,AG-LG	1.5 NE,bet rds	950	30 L3	Trees, bldg N.

KENTUCKY

Jody (London)	3 S,hwy E	1240	25 S2	80 oct.
Middlesboro	1.2 W,hwy S	1150	26 S4	80 oct.

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
ASHEVILLE-HENDERSONVILLE (Ashev'l)	11.5 SSE,RRW	2090	40h L5 S4	73, 80, 91, 100 oct.
Black Mountain	1.8 SW,RR N	2270	15 S1	80 oct. Soft.
Byers (Shelby)	3,SE,RR SW	875	16 S4	80 oct.
Francis Marion (Marion)	2.5 NE,RR NE	1450	19 S4	80,91 oct.
Franklin	1.2 ESE,riv W	1996	23 S2	80 oct.
Hendersonville	1.5 ESE,hwy SW	2200	30 S6	80, 91 oct.
Josephson (Asheville)	3 W,riv E	2200	20 S1	Ltd 80 oct. Trees NW,SE.
Morganton	2 NW,riv E	1024	16 S2	80 oct.
Morganton-Lenoir (Morganton)	7.5 NE,hwy W	1253	33 S2	80,91 oct.
Rutherford(Spindale)	1.5 SSE,RR N	1012	17 S2	80 oct.
Sylva	2.4 NE,riv SW	2039	25 S2	No fuel.
West Jefferson	2 SSW,RR NNE	3200	16 S2	80 oct.

SOUTH CAROLINA

Anderson	4.5 WSW,hwy S	783	50h R1 L5 S6	80, 91 oct.
Barksdale (Laurens)	2.8 E,RR NE	700	30 L S6	73 oct. Port rnwy lgts.Pole line NE
Bentley (Calhoun Falls)	3 ENE,RR NNW	500	16	
Chesnee (NC)	2 S,RR W	910	18	PRIVATE.
Coronaca (Greenwood)	3.8 N,RR E	629	50h	
Fairforest (Spartanburg)	5.8 WNW,rd W	830	23 S6	80 oct.
(N) GREENVILLE	3.2 E,RR SE	1015	42h R1 L5 S6	80 oct.No bndry lgts.
(A) Greenville AAB (A)	7.5 SSE,hwy W	942	55h R1 L5 S6	73,100 oct. No sto.
Greenwood	2.6 W,RR E	650	24 S6	73 oct.
(N,P) MEMORIAL (Spartanburg)	2.5 SW,hwy SE	804	44h R2 L5 S6	80, 91 oct. 100 oct. for military.
Paris Mountain (Greenville)	4.2 NNW,RR E	1006	21 S6	80 oct. Pwr line NW.

TENNESSEE

Island (Knoxville)	2.5 E	830	35 S4	80 oct. No sto.
(P) Knoxville Mun.-McGhee-Tyson (Knoxville)	12 SSW,hwy E	988	50h R3 L5 S6	91, 100 oct.
Morristown	5.7 ENE	1400	19 S1	73 oct.
TRI-CITY	11.8 NNW Johnson City	1518	45h R1 L5 S6	80, 91 oct. 10.2 ESE Kingsport.

VIRGINIA

★ Chilhowie Int,29B,NA-WA	3.9 SE,riv N	2100	34 L3 S4	80 oct. Pole lines SW,NE.Riv SW.
Powell Valley (Big Stone Gap)	4 ESE,hwy NW	1700	25 S4	80 oct.Pole line ENE,hills W.
Richlands	2.7 WSW,RR N	1950	20 S2	80 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page K110) (NC)-Not charted. → NEW OR REVISED DATA

NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
CHARLOTTE (Douglas)	212(CF)(116.1)	BMLZ-VDT, 359°, 1.7	(3); 116.1
DOUGLAS ARPT. (Charlotte)	396(126.18, 118.9)	C	(4); 126.18,118.9,131.9, others on req.
GREENSBORO	365(GW)(116.1)	SBRAZ-VDT	(3); 116.1
Greensboro-High Point Airport	219(126.18, 118.7)	C, 241°, 1.5	(4); 118.7,126.18,131.9
POPE (Ft. Bragg) (Army)	338(DOP) (116.1)	SBMRAZ-V	(3); 116.1
Pope Field	396(126.18, 116.1)+	CA(ILS) 355°, 2.5	(3); 116.1,126.18
RALEIGH (Raleigh-Durham Arpt.)	350(DU)(116.1)	SBRAZ-VDT(ILS) 299°, 3.8	(4); 116.1
SMITH-REYNOLDS AIRPORT (Winston-Salem)	278 (126.18, 118.3)	C	(4); 126.18,118.3,131.9
WINSTON-SALEM (Smith-Reynolds Airport)	379 (DWS)	MRLWZ, 328°, 5.1	

SOUTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
FLORENCE	239 (FL)(116.1)	SBMRLZ-VDT; 292°, 1.7	(4); 116.1

VIRGINIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
DANVILLE	344(VE)(116.1)	MHVT	(4); 116.1
PRESTON GLENN (Lynchburg)	248	C	(4)
PULASKI (Loving)	272(US)(116.1)	SBMRAZ-VDT, 247°, 2.1	(4); 116.1
ROANOKE (Woodrum Field)	317(RO)(116.1)	SBRAZ-VDT, 349°, 2	(3); 116.1
WOODRUM FIELD (Roanoke)	278 (118.5)	C	(4); 131.9,118.5,126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass locators in kcs.)

LOCATION	LOCALIZER	G.P.	AMP. MEAN	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
Pope, N.C.	110.3	335	3600 Mag.	IM- ..... (4.00)	MM-	OM- (4.18)	MMK- ..... OMK- .....
Raleigh, N.C.	109.9	333.8	500 Mag.	IM-	MM-	OM- .. (4.5)	MMK- OMK-
				IM-	MM-	OM-	MMK- OMK-
				IM-	MM-	OM-	MMK- OMK-

S-Simul. Range and Voice, W Without Voice, Z-VHF Range Station Location Marker, (3) 3105, 4495, 6210 kcs. (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Aberdeen Inc.	1.2 W, RR N	450	25	Obsts sur fld.
Asheboro	1.8 SSW	864	18 S2	80 oct. Hwy NW.
(A)Balloon (Ft. Bragg)(A)	1 NNW, RR E	225	22	
Belmont	1.3 NE, riv E	740	20 S6	80 oct. No sto. P-line WNW
Bridges (Kings Mtn.)	1 SW, RR SE	930	17 S2	80 oct.
Brockenbrough (Derita)	3.8 WNW, RR E	800	22 S6	80 oct. Pole line SSE.
Brooks (Red Springs)	1.2 N, RR SE	208	26	
(P)Burlington	4 SW, hwy W	638	28 S6	80 oct. Pole line S.
Burris (Lincolnton)(NC)	2.2 SW, RR SE	960	10	UNUSABLE
Camp MacKall (Hoffman)	3.5 E	350	50h	
Candor (NC)	1.1 E, RR N		19	Pole line WNW.
Cannon (Charlotte)	3 WNW, hwy S	786	24 L S6	80,91 oct. Flood lgts req
Carolina Arpk Inc. (Kannapolis)	3.1 SSE, RR W	730	19 S2	No fuel.
Caswell (Yanceyville)	3.7 S, hwy W	640	20 L S1	80 oct. Flare pots prior req.
Coley (Concord)	2 SW, RR E	790	12 S1	80 oct. Trees ESE.
Colonial Flying Svc. (Mt. Airy)	1.4 NNE, RR S	950	15 S1	80 oct. Pole line, trees NNW.
Concord	4.5 ESE, rd E.S	700	19 S2	80 oct. Pole line NE.
Delta Air Base (Charlotte)	6.7 E, hwy S	750	31 S6	80,91 oct. No sto. Poles NW
(A)DOUGLAS (Charlotte)	5.5 W, RR N	745	52h R2 L5 S6	80,91 oct ltd 91 oct Army
Durham Airways	7.8 N, RR E	310	14 S1	80 oct.
Elkin	2.8 SW, RR NNW	1100	24 S2	80 oct. Rnwy data unver
Erwin	1 SW, riv SW	195	30 S1	80 oct. Pwr line S.
Fairchild-Civil (Burlington)	1.5 E, RR S	640	35h	
Fayetteville	5 N, hwy E	238	36 L1 S6	80 oct. Pwr line E.
Fraley (High Point)	2.5 SSE, RR W	1000	17 S6	80 oct. Strips rough. Trees SE.
Gastonia	1.3 SW	795	16h S4	80 oct. Pwr line SSW.
Gastonia, mun.	4.5 SSE, hwy SW	800	30h L	Port rnwy lgts.
Gilmore No. 1(Julian)	0.6 SE, RR N	760	10 S1	80 oct.
Gilmore No. 2 (Silver City)	4.1 SE, RR W	550	22	Pwr line SSE.
GREENSBORO-HIGH POINT	8 WNW, RR SW	905	40h R2 L5 S6	80,91,100 oct.
Hickory	2.2 W, RR S	1180	40h S6	80,91 oct.
Hogan (Chapel Hill)	3.8 NW, RR E	530	20 S2	80 oct. Trees SSE.
Horace Williams (Chapel Hill)	1.3 NNW, RR W	502	49 S4	80 oct.
Kannapolis	2.8 N, RR E	750	23 S6	80 oct. Trees WNW.
Kings Mountain	3.5 SW, RR SE	980	23 S2	80,91 oct.
Knollwood (Pinehurst)	5 NE, hwy W	455	53 L5 S4	80,91 oct.
Laurinburg-Maxton (Maxton)	3.5 N, riv E	220	65h L5 S6	80,91 oct. No flood lgts. Data unver. Lgts on req.
Lee County (Sanford)	1.5 SE, RR E	400	19 S4	80 oct. No sto. Pwr line sur fld.
Lexington	2.3 SW, RR E	735	21 S1	80 oct. Pole lines SSW.
Lillington	1.1 NNE, RR S	210	15 S2	80 oct. Pole line NW.
(P)Lumberton	3 WSW	126	50h L2 S6	80,91 oct. Hwy NNW.
McLean Brothers (Gibsonville)	0.5 SW, hwy NE	723	18 S6	80 oct.
Mayo (Mayodan)	0.8 W, riv E	900	24 S1	80 oct.
Mocksville	2 W, RR E	800	14 S2	80 oct.
Monroe, com.	2.8 SSE	600	20 S2	80 oct.
Monroe, mun.	2 NNW, hwy S	680	20 S1	80 oct. Trees NW.
Mt. Airy	2.2 SW, RR E	1050	20 S2	80 oct.
Newton-Conover (Newton)	1.5 NNW, hwy E.		16 S6	80 oct. Data unver.
North Wilkesboro	1.3 WSW, riv S	970	15 S4	80 oct.
Parkers (Eagle Spgs)	1.8 NW, RR S	700	40 S1	80 oct.
Pharis (Durham)	8.1 NE, RR E	310	26 S4	80,91 oct. Pole line, trees NE, WNW.
Pine Acres (Laurinburg)	3.1 SW, RR NNE	205	12 S1	80 oct.
Plaza (Charlotte)	5 NE, RR N	740	20 S6	80 oct.
(A)Pope (Ft. Bragg)(A)	2 NW, riv NW	220	52h R3 L5 S6	73,100 oct
Raleigh	3.3 SSW, RR W	364	28h S6	80,91 oct.
RALEIGH-DURHAM (Raleigh)	10.5 NW, RR W	433	45h R3 L6 S4	80,91 oct. No twr.
Reidsville	3.2 SE, riv S	822	25 S5	80 oct.
(P)Rockingham-Hamlet	3.5 S, RR E	358	46 S2	80 oct.
Routh (Greensboro)	3.3 S, RR E	840	18 S4	80 oct. Trees NE, W. Hwy
Roxboro	7 NE, RR W	600	18 S1	80 oct. [E.
Salisbury	3 SW, RR E	764	25 L2 S6	73 oct.
Skyline (Southern Pines)	4.5 NE, RR NW	460	21 S4	80 oct. No sto. Pwr line S.
(P)SMITH-REYNOLDS (Winston-Salem)	2.8 NNE, RR W	969	67h R2 L5 S6	80,91 oct. Rnwy data unver.
Spindle City (Gastonia)	3.2 E, RR N	795	19 S2	80 oct.
Stanly (Albermarle)	6 WNW, hwy S	720	16 S1	80 oct.
Statesville	4.5 WSW	990	27 S2	80 oct. Trees N. RR SE.
Thomasville	3.5 ESE,	860	14 S2	No fuel. RR NE.
Tri-City (Draper)	1.2 W, riv W	560	26 S2	80 oct.
Upchurch (Raeford)	0.5 NNE	255	15 S2	80 oct. RR SSW.
Wadesboro	3.7 NNE	220	18 S4	80,91 oct. RR S
Warf (Reidsville)	3.8 SW, hwy W	820	23 S2	80 oct. Trees N,S.
Whiteville	3.7 S, RR N	60	18 S1	Ltd 80 oct.
Young Airfield (Oxford)	1.8 SW, RR NW	475	18 S1	Ltd 80 oct.

SOUTH CAROLINA

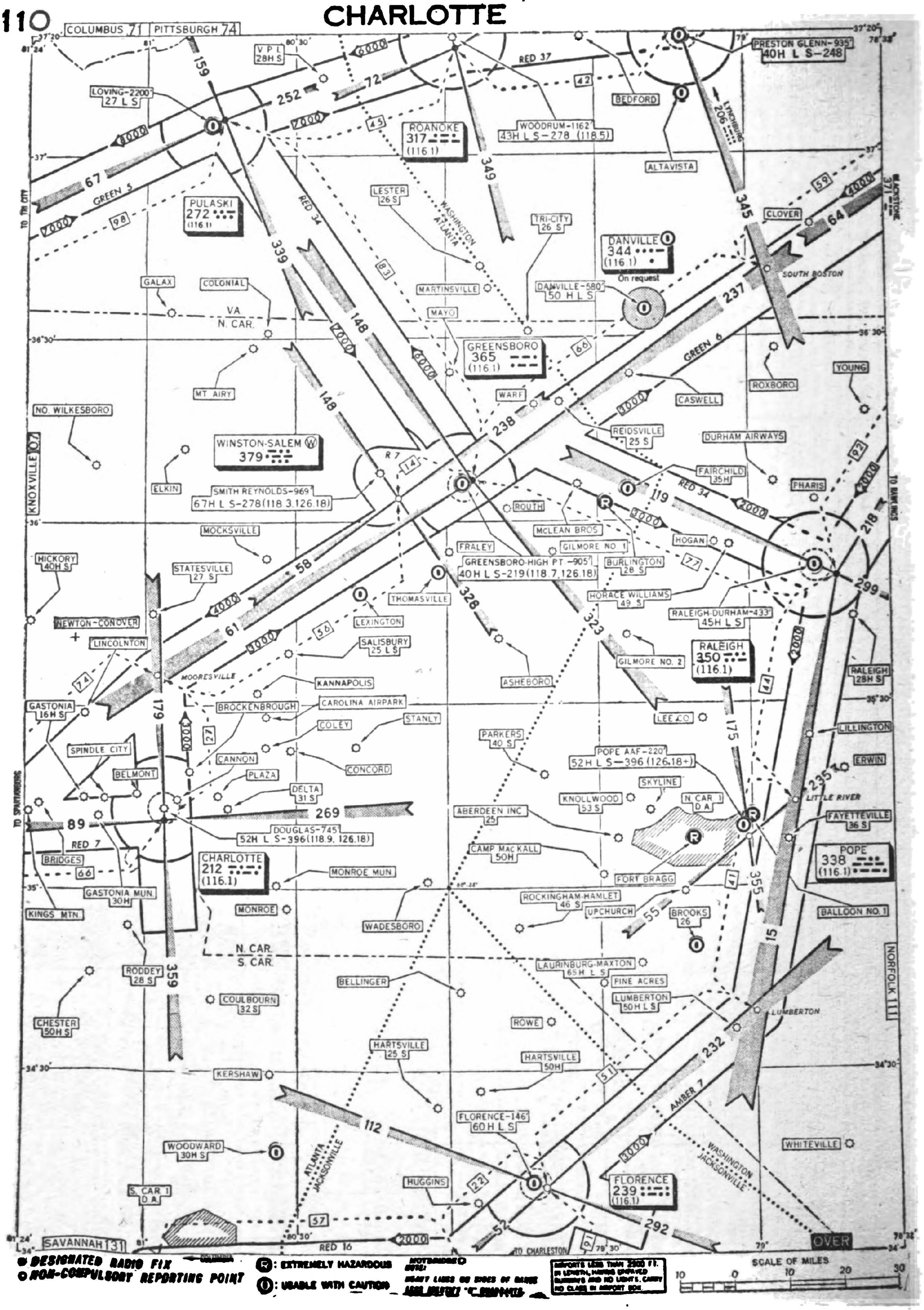
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P)Chester	5 NNE, RR W	709	50h S4	80 oct. No sto.
Coulbourn (Lancaster)	1 SSW, hwy SW	560	32 S4	80 oct.
Florence	3.5 E, RR SW	146	60h R1 L5 S1	80,91 oct.
Hartsville	2.1 NNE,	230	25 S2	80 oct. Hwy S.
(P)Hartsville (Darlington)	10 N, hwy E	190	50h	
Huggins (Timmonsville)	1.5 ENE, hwy NW	149	18 S4	80 oct. Pwr line NNW.
Kershaw	4 S, RR W	475	21	
Little Rock (NC)	2.5 SE, hwy W	135	22	Poles around fld.
Lynch Bellinger (Cheraw)	4.2 WNW, RR S	400	22 S4	80 oct. No sto. Pole line S, WSW.
Palmer (Bennettsville) (NC)	3.4 NNW, hwy E	155	44	Not maintained as landing field
Roddey (Rock Hill)	2.7 SW, RR NW	864	28 S4	80,91 oct. Pole line S.
Rowe (Bennettsville)	1.5 NE	190	29 S5	80,91 oct. Trees SW.
(P)Woodward (Camden)	2.9 NE, hwy E	300	30h S4	80 oct.

VIRGINIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Altavista	5.1 NE, RR S	650	18 S1	80 oct. Trees SW.
Bedford	1.3 WSW,	1050	16	PRIVATE. RR N
Clover	3.5 SSW, riv E	350	20	Trees E, W, SE, NW. House E, SE.
(P)Danville	3.4 ESE	580	50h R1 L5 S6	80,91 oct.
Galax	6.5 S, hwy E	2575	27 S4	80 oct.
Lester (Martinsville)	0.8 NNW, RR NE	1000	26 S2	80 oct. 20-75' bldgs SE.
Loving, 35A, NA-WA (Pulaski)	2.8 N, RR SE	2200	27 R1 L3 S4	80 oct. Poles SW. No sto.
Martinsville	3.5 SSE, RR NE	800	16 S2	73 oct.
(P)PRESTON GLENN (Lynchburg)	6.7 SSW, RR SE	935	40h R3 L5 S6	80, 91 oct.
V.P.I. (Blacksburg)	1.3 SSE, RR W	2100	28h L1 S6	73,80 oct. Strip rough.
(P)WOODRUM (Roanoke)	4.2 NNW	1162	43h R2 L5 S6	80,91,100 oct. Rd W.

h-Hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

CHARLOTTE


COLUMBUS 71
PITTSBURGH 74
VPL 28H S
LOVING-2200' 27 L S
PRESTON GLENN-935' 40H L S-248
RED 37
BEDFORD
WOODRUM-1162' 43H L S-278 (118.5)
ROANOKE 317 (116.1)
ALTAVISTA
LYNCHBURG 206
PULASKI 272 (116.1)
LESTER 26 S
WASHINGTON ATLANTA
TRI-CITY 26 S
DANVILLE 344 (116.1) On request
CLOVER
SOUTH BOSTON
MACKSTONE 371
GALAX
COLONIAL
VA
N. CAR.
MARTINSVILLE
MAYO
DANVILLE-580' 50 H L S
GREENSBORO 365 (116.1)
MT AIRY
WARF
CASWELL
ROXBORO
YOUNG
NO. WILKESBORO
WINSTON-SALEM 379
REIDSVILLE 25 S
DURHAM AIRWAYS
ELKIN
SMITH REYNOLDS-969' 67H L S-278(118.3.126.18)
FAIRCHILD 35H
PHARIS
ROUTH
McLEAN BROS.
FRALEY
GILMORE NO. 1
HOGAN
GREENSBORO-HIGH PT-905' 40H L S-219(118.7.126.18)
BURLINGTON 28 S
MOCKSVILLE
HICKORY 40H S
STATESVILLE 27 S
THOMASVILLE
HORACE WILLIAMS 49 S
RALEIGH-DURHAM-433' 45H L S
NEWTON-CONOVER
LINCOLNTON
LEXINGTON
SALISBURY 25 L S
GILMORE NO. 2
RALEIGH 350 (116.1)
RALEIGH 28H S
MOORESVILLE
KANNAPOLIS
ASHEBORO
GASTONIA 16H S
BROCKENBROUGH
CAROLINA AIRPARK
GREEN 6
LEE CO
STANLY
COLEY
PARKERS 40 S
LILLINGTON
SPINDLE CITY
CANNON
CONCORD
POPE AAF-220' 52H L S-396 (126.18+)
ERWIN
BELMONT
PLAZA
SKYLINE
DELTA 31 S
KNOLLWOOD 53 S
N. CAR. 1 D A
LITTLE RIVER
ABERDEEN INC. 25
FAYETTEVILLE 36 S
DOUGLAS-745' 52H L S-396(118.9, 126.18)
CAMP MACKALL 50H
POPE 338 (116.1)
BRIDGES
CHARLOTTE 212 (116.1)
MONROE MUN.
FORT BRAGG
GASTONIA MUN. 30H
ROCKINGHAM-HAMLET 46 S
BALLOON NO. 1
MONROE
UPCHURCH
BROOKS 26
KINGS MTN.
WADESBORO
N. CAR.
S. CAR.
LAURINBURG-MAXTON 65H L S
RODDEY 28 S
PINE ACRES
BELLINGER
LUMBERTON 50H L S
COULBOURN 32 S
CHESTER 50H S
ROWE
LUMBERTON
HARTSVILLE 25 S
HARTSVILLE 50H
KERSHAW
FLORENCE-146' 60 H L S
WHITEVILLE
WOODWARD 30H S
ATLANTA JACKSONVILLE
HUGGINS
FLORENCE 239 (116.1)
WASHINGTON JACKSONVILLE
S. CAR. 1 D A
SAVANNAH 131
RED 16
TO CHARLESTON
OVER
TO SPARTANBURG
KNOXVILLE
TO RAWLINGS
NORFOLK 111
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
R: EXTREMELY HAZARDOUS
D: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS. CARRY NO CLASS IN AIRPORT SDS.
SCALE OF MILES
10 0 10 20 30

NORFOLK

PITTSBURGH 7 | WASHINGTON 75 | TO CHESTER

ALL FACILITIES IN WASHINGTON FLIGHT ADVISORY AREA

FARMVILLE

BLACKSTONE 371 (116.1)

BLACKSTONE AAF-440' 53 H

ALBERTA

LAWRENCEVILLE 28 L S

EMPORIA 50 H L S

HOPEWELL

COLONIAL HGTS 25 S

PETERSBURG 50H

RICHMOND 260

SCOTT

LANGLEY AAF 230 (116.1)

TO WASHINGTON

DIXIE HOLLAND

BUCKROE BEACH 282

CAPE CHARLES

NAS NORFOLK 356

HAMPTON ROADS

WHITEHURST 276

NORFOLK 239 (116.1)

ECLIPSE 16

DEEP CREEK 10

FOR DETAILS IN THE NORFOLK AREA SEE CHART 139

VA 3 D A

VA 2 D A

BACONS CASTLE

RAWLINGS

GREEN 6

AMBER 7

HENDERSON

WARRENTON 28 L

HALIFAX CO

VA N. CAR

CREEDS 25 H

SOUTH MILLS 18

BARCO 40H

AYDLETTE 14

CGAS. ELIZABETH CITY -10' 72 H L S-278 (142 74)

NAS WEEKSVILLE 524

WOODVILLE

ROCKY MOUNT 40H S

TARBORO 30 S

FRANKLIN

RALEIGH 350

NAS EDENTON 72 H

EDENTON 26

NAF WEEKSVILLE -7 37 H L S-3295 (142 74)

MANTEO 32

WILSON 45H

AVALON 28 S

GREENVILLE 50H

WASHINGTON 50H

ZEBULON

ROANOKE IS. 33 H S

CHARLOTTE 11

INTENSIVE INSTRUMENT TRAINING WITHOUT LIGHTS DURING HOURS OF DARKNESS FROM 10,000 FEET TO 18,000 FEET ABOVE SEA LEVEL WITHIN 50 MILE RADIUS OF MCAS, CHERRY POINT.

SELMA

KINSTON 50 H

GOLDSBORO 25 S

MCAS CHERRY PT 224

SIMMONS-KNOTT 40 H S

N CAR 3 D A

MT OLIVE

CLINTON

NEW BERN 14

SEYMOUR-JOHNSON AAF-80' 50H

MCAS CHERRY POINT - 29' 76H L S-3295 (142 74)

MCAAF OAK GROVE -27' 40H L S-3295 (142 74)

WALLACE

CAMP LE JEUNE OLF -24' 50 H-3295 (142 74)

MCAAF ATLANTIC 35 H

BEAUFORT-MOREHEAD CITY 43H

BURGAW

MCAAF BOGUE - 22' 40 H

WASHINGTON OCEANIC CONTROL CENTER

JACKSONVILLE OCEANIC CONTROL CENTER

INTEN. INSTRUMENT TRAINING WITHOUT LIGHTS DURING HRS. OF DARKNESS FROM SEA LEVEL TO 18,000 FEET.

BLUETHENTHAL 70H S

PEIFFER

CAROLINA BEACH

SAVANNAH 131

OVER

● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "N" QUADRANTS.

Ⓡ: EXTREMELY HAZARDOUS

Ⓓ: USABLE WITH CAUTION

AIRPORTS LESS THAN 2500 FT IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

SCALE OF MILES

10 0 10 20 30

RADIO — NORTH CAROLINA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS, GUARDED, HRS. OF OPER., REMARKS
ADDLETTE FM (Navy)	(-)	FM, 64°, 14	Weeksville NAF
CAMP LE JEUNE OLF (New River)	3295 (142.74)	CN	3105,4495;142.74 (8-1630)
CHERRY POINT (Navy)	224 (NKT)	BMRLZ	(3); 140.58, 142.74
Cherry Point MCAS	3295 (142.74)	CN, 141°, 4	(3); 142.74
EDENTON FM (Navy)	(- - -)	FM, 244°, 26	Weeksville NAF
ELIZABETH CITY CGAS	278 (142.74)	CN	(3); 142.74 (7-19)
NEW BERN FM (Navy)	(- - - -)	FM, 321°, 13.6	Cherry Point MCAS
OAK GROVE MCAAF (Polloksville)	3295 (142.74)	CN	3105;142.74 (8-18)
SOUTH MILLS FM (Navy)	(- - - -)	FM, 319°, 17.5	Weeksville NAF
WEEKSVILLE (Navy)	224 (NFG)	MRL	500,3105; 142.74 (7-19)
Weeksville NAF-LTA	3295 (142.74)	CN, 319°, 0.5	3105; 142.74 (8-1630)
WASTEO FM (Navy)	(- -)	FM, 139°, 32	Weeksville NAF
BLACKSTONE (AAF)	371 (KT)(116.1)	BMLZ-VDT, 133°, 5.5	(4); 116.1
DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM, 276°, 16	Norfolk
LANGLEY FIELD (Army)	250 (DLY)(116.1)	SBMRAPZ-VDT, 102°, 35	(3); 116.1
NORFOLK	239 (NW)(119.1)	SBMRLZ-VDT, 000°, 3.4	(3); 119.1
Norfolk NAS (Navy)	356 (NGU)	BMRLZ, 276°, 2.9	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.
+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(N) Atlantic MCAAF (N)	0.8 NW,hwy SE	24	35h	INACTIVE
Avalon (Rocky Mount)	3.8 NE,RR W	120	28 S2	80 oct.
Barco Flight Strip	2.4 W,hwy S	19	40h	
(P) Beaufort-Morehead City	1 N, riv W	13	43h	
(P) BLUETHENTHAL	2.4 NNE, RR W	30	70h L5 S4	80,91 oct. Fld lgts prior req. (Wilmington)
(N) Bogue MCAAF (N)	5.6 E Swansboro	22	40h	INACTIVE.
Burgaw	1.2 W,hwy N,S	30	22 S1	80 oct. Pwr line SSE.
(N) Camp LeJeune OLF (New River)(N)	2.5 S Jacksonville	24	50h R1	
Carolina Beach	2.2 NNW,hwy E	32	16 S1	80 oct. (ltd)
(N) Cherry Point MCAS	2.5 SW,riv N	29	76h R2 L5 S6	100 oct. (N)
Clinton	2 N, hwy W	160	24 S6	80 oct. Pole line W
(N) Edenton NAS (N)	3.5 SE	19	72h	INACTIVE
(CG) ELIZABETH CITY CGAS (CG)	3.5 SE,riv NE	10	72h R1 L6 S4	91, 100 oct.
Franklin(Louisburg)	2 WSW,hwy S	290	20 S4	80 oct. Hi-line S
Goldsboro	1.3 E,hwy S	110	25 S1	80 oct. Pole line NNE
(P) Greenville	1.8 NNW	25	50h	
Halifax Co.(Roanoke Rapids)	3 SW,hwy N	140	25 S1	80 oct. Data not verified.
Henderson	3 S,RR W	490	23 S6	80,91 oct. No sto. Pole lines S. Rnwy data not verified

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page XIII) (NC)-Not charted. ⟶ NEW OR REVISED DATA

NORTH CAROLINA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Jacksonville (NC)	3.7 NE,RR SE	51	14	
(N) Kinston (N)	4.2 NNW	93	50h	CLOSED
Mt. Olive	1.1 NE,RR E	160	15 S1	80 oct.
(N) Oak Grove MCAAF (Polloksville) (N)	2.5 NW,riv S	27	40h R1 L S4	91, 100 oct.
Peiffer(Wilmington)	6 ESE,ocean E	10	18 S1	80 oct. Poleline NNE,trees N,S,SW.
ROCKY MOUNT	2.3 N,RR E	114	40h S3	80 oct. Use rnwys only.
Selma	0.5 E,RR W,S	150	19 S4	80 oct. Pole line E.
(A) Seymour Johnson (Goldsboro) (A)	3 SSE,riv SW	80	50h	TMP INACT NO FACS(See Spl Not.)
SIMMONS-KNOTT	2.5 SSE	19	40h S1	80, 91 oct. (New Bern)
Tarboro	2 ESE,riv NNW	50	30 S6	80 oct. No sto. Pole line NNE.
Wallace	0.8 N,RR SW	50	16 S6	80 oct. No sto.
★ Warrenton Int,46,JX-RW	1.5 NE,RR W	446	28 L3	
(P) Washington	1.8 N,hwy W	38	50h	
(N) Weeksville NAF(LTA)	2.2 NE	7	37h R2 L5 S4	91, 100 oct. (N)
(P) Wilson	4.2 NW,hwy E	161	45h	
Woodville (Elizabeth City)	9 WSW	15	19 S6	80 oct. No sto. Pole line S, SW. Data not verified.
Zebulon	3.5 NW,hwy E	324	16 S1	80 oct.
Roanoke Isl.(Manteo)	1.5 NW,rd NE	12	33h L5 S4	80,91 oct. Lgts on req. Data unverified.

VIRGINIA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alberta	1.5 E,RR SW	380	17 S2	80 oct. Trees WSW.
(A) Blackstone AAF (A)	2.5 ESE,hwy N	440	53h R1	TMP INACT NO FACS(See Spl Not.)
Clarksville-Finchley	5 ENE,RR S	450	13	House, trees NW. (NC)
Colonial Heights (Petersburg)	2 NNE,RR W	60	25 S1	80 oct.
Creeds	1.5 E,bay E	10	25h	
Emporia	3 E, hwy S	127	50h L5 S4	80,91 oct. Trees sur fld.
Hopewell	3.3 E,riv N	20	24 S6	80 oct.
Lawrenceville,49B, JX-RW	3.8 ENE,RR N	317	28 L3 S6	80 oct.
Petersburg	6.2 WSW,RR N	190	50h	
Scott (Williamsburg)	1.3 NNW,RR SW	90	20 S2	80 oct. Pole line SW,WNW.
William & Mary College (Williamsburg)	3 NNW,RR SW	105	29	20-60' trees NE,SW,W. (NC)
Dixie Holland (Cape Charles)	1.5 ENE;hwy S		22 S1	80 oct Unverified.
Farmville	2.5 NW,riv N	325	20 S6	80 oct. Hill W.

CORPUS CHRISTI

RADIO — TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALICE	224(EZ)(116.1)	SBRAZ-VDT, 72°, 3.6	(4);116.1
BROWNSVILLE (International Arpt)	388(JI)(116.1)	SBRAZ-VDT, 157°, 2.3	(3);116.1
CABANISS NAAS, (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)
CLIFF MAUS (Corpus Christi)	278(118.3)	C	(4);118.3,126.18,131.9
CORPUS CHRISTI (Cliff Maus Field)	382(CR)(116.1)	SBMRLZ-VDT, 138°, 2.9	(3);116.1
Corpus Christi (Navy)	248 (NOP)	ML2	(3);142.74
Corpus Christi NAS	248 (142.74)	CN;350°, 3.3	(3);142.74
Corpus Christi NAS (Seapl)	2870(142.74)	CN	3105;6210;142.74
CUDDIHY NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)
GREGORY FM (Navy)	(-)	FM, 350°, 18	Corpus Christi NAS
INTERNATIONAL ARPT (Brownsville)	278 (126.18, 118.7)	C(ILS)	(4);118.7,126.18,131.9
LAREDO	206(LL)(116.1)	SBRAZ-VDT, 137°, 3.1	(4);116.1
→ LOS FRESNOS FM	(-)	FM, 338°, 8.9	Brownsville
→ MERCEDES FM	(- - - -)	FM, 282°, 29.5	Brownsville
PALACIOS	350(UX)(116.1)	BMLZ-VDT, 118°, 1.6	(4);116.1
PLEASANTON FM	(- - -)	FM, 174°, 44.2	San Antonio
RODD NAAS (Corpus Christi)	(142.74)	CN	3105;142.74(during flight opers.)

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
INTERNATIONAL, TEXAS	110.3 ---- ..	335	170° Mag.	IM	MM ·····(.66)	OM --(4.34)	
					MMOK		OMOK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice.

+ - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

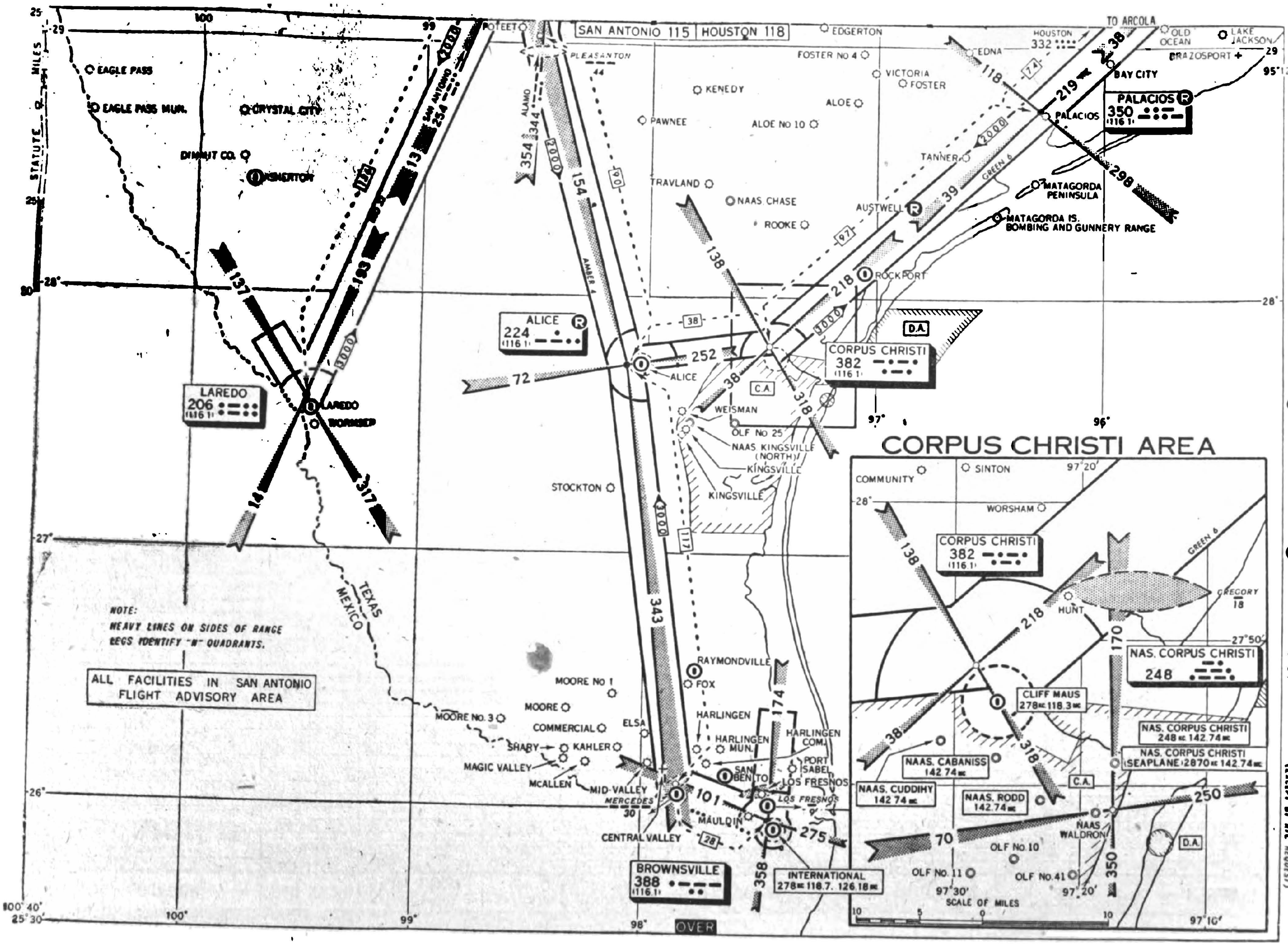
AIRPORTS — TEXAS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
(P) Alice	3.3 ESE;RR N	177	46h R1 L5 S6	80,91 oct.
→ (A) Aloe AAF (Victoria)(A)	6 WSW;RR SE	107	57h	CLOSED
→ (A) " #10 (Victoria)(A)	19.8 WSW	150	40h	CLOSED
Asherton	1 S;RR NE	552	22 S1	80 oct.Poles N;trees sur fld.
★ Austwell Int,5A,CR-HU	2.1 SSW;bay NE	23	32 L2	Fence around fld.
Bay City	2 SSW;RR N	50	21 S6	80 oct.No sto.Pole line E.
Brazosport (Velasco)	1 N;hwy SW	6	24 S1	80 oct.Data not verified.
(N) Cabaniss NAAS (Corpus Christi)(N)	6.2 SSW;RR NE	30	50h R1 L5 S4	91 oct.
(N) Chase NAAS (Beeville)(N)	5.6 ESE;rd N	186	46h R1	INACTIVE.
Chupadera Ranch Emerg. Strip (Laredo)(NC)	60 NW	630	33 L1	
(N) CLIFF MAUS (Corpus Christi)	2.5 SW;RR N	42	45h R2 L5 S6	80,91 oct.No storage.
Commercial (Edinburg)	1 W;RR SE	90	20 S1	73 oct.Pole line NW,NNW.
Community (Sinton)	2 W;RR SE	143	30	
(N) Corpus Christi NAS (N)	9.5 SE	19	58h R2 L5 S6	91,100 oct.NATS,NAPC.
(N) " OLP #10 (N)	15 S	19	15h	11 SSW Aberdeen.
(N) " OLP #11 (N)	16 SSW	29	15h	13 SSW Aberdeen.
(N) " OLP #25 (N)	23.5 SSW	46	17h	12.3 ESE Bishop.
(N) " OLP #41 (N)	16 SSE	23	20h	11.8 SSE Aberdeen.
Crystal City	1.8 N;RR W	600	32 S1	80,91 oct.Pole line NE,NW.
(N) Cuddihy NAAS (Corpus Christi)(N)	7.8 SW;crk S	39	50h R1 L5 S4	91 oct.
Central Valley(Mercedes)	1.5 NE;hwy S	62	31h S6	80,91 oct.Data unverified.

h-hard surfaced runways. R-radio facilities: L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. → NEW OR REVISED DATA

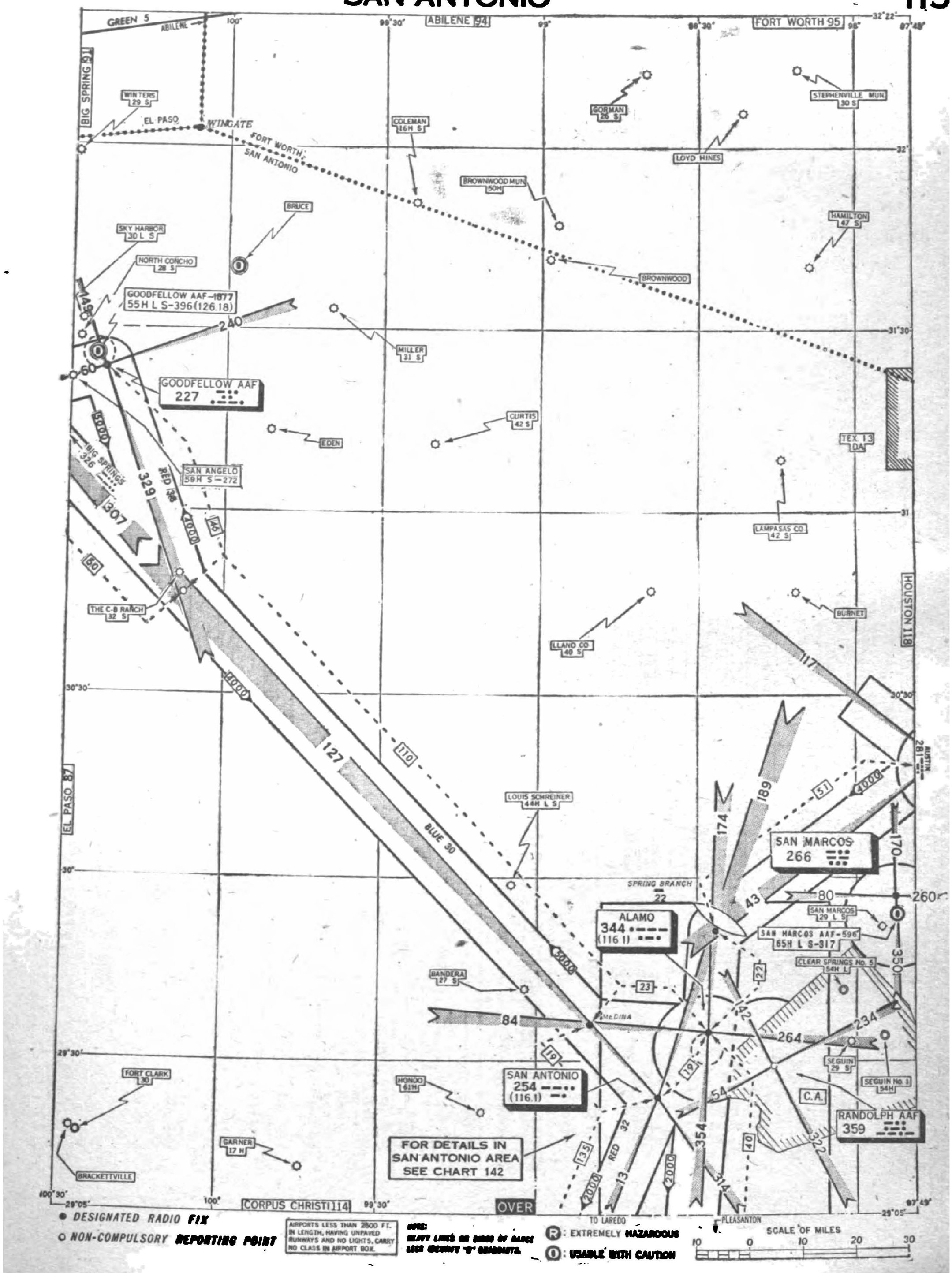
TEXAS

AIRPORT—CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Dimmit Co.(Carrizo Sprgs)	2.8 E;hwy N	640	25 S1	Ltd 80 oct.Pole line ends strps.
Eagle Pass	10 N;RR N	878	59h	
" mun.	1.3 E;hwy N	774	29 S2	80 oct.ARPT OF ENTRY.
Edgerton (Cuero)	2.9 E;hwy SW.	185	19 S6	80 oct.
Edna	1.5 ENE;RR NW	60	25 S1	73 oct.Live stock on fld.
Elsa	1 SSE;RR N	70	21 S6	73 oct.Crop dusters.
Foster (Victoria)	6.5 NE;RR S	104	52h	
" #4 (Victoria)	12.5 NNW	186	56h	
Fox (Raymondville)	1 WSW;RR S	40	26 S2	73,80 oct.Poles W,SE.
Freer (NC)	3.8 NNW;hwy E	375	28	Trees sur fld.
Harlingen, com.	1.8 SSW;hwy E	41	18 S1	73 oct.
Harlingen mun.	5 NW;RR SW	40	13	Pole line S.
Hunt (Portland)	3.5 NE;rd S	35	60h L5 S4	80,91 oct.Lgts prior req.
Indianola (Magnolia Beach)	2 WNW;RR ESE	35	16 S5	80 oct.
(P) INTERNATIONAL (Brownsville)	2 SW;hwy N	17	34	PRIVATE.
Kalher (Alamo)	4.5 E;hwy N	22	59h R3 L6 S6	73-100 oct.ARPT OF ENTRY.
Kenedy	4 NNE;RR W	90	20 S1	73 oct.Poles sur fld.
★ Kingsville Int,11,JI-FV	1.4 ESE;RR N	270	19 S2	80 oct.
(N) " NAAS (North) (N)	3.5 S;RR W	58	26 L3	
→ Kingsville (South)	3.5 ESE;hwy NW	47	61h	INACTIVE.
	3.5 SE;hwy W,N	51	61h S4	80,91 oct.
Lake Jackson (Freeport)	9.5 NW;hwy E	20	26	Cattle on fld.Trees SW.
Lake Mathis (Mathis)(NC)	5 WSW;RR SE	161	20	
La Laja (Dolores)(NC)	1.5 NNE;riv SW	475	18	PRIVATE.15-20' brush W,S.
→ LAREDO	3.5 NE;hwy NNE	512	66h R1 L5 S5	80,91 oct.Lgts on req.
Los Fresnos	0.8 SSE;RR W	35	24 S1	73,80 oct.Pole line W.
McAllen	1.6 SSW;hwy N	115	29 S6	73,80 oct.Poles E,NE.
Magic Valley (Mission)	1.5 SSW;lake W	135	21 S6	73 oct.No sto.Poles E.
(A) Matagorda Island (A)		7	40h	9 SSW Port O'Conner.TMP INACT NO FACS.(SEE SPL NOT
✗ Matagorda-Peninsula (Matagorda)	6.5 E Port O' Conner	5	40h	
Mauldin (Brownsville)	4.4 NNW;RR W	22	35 S6	80,91 oct.Poles W.
Mid-Valley (Weslaco)	1.7 NE;RR W	70	25 S1	80 oct.Pole line NW,SW.
Moore (Mission)	12 N;RR E	219	50h	
" #1 (Mission)	10 N Edinburg	80	40h	
" #3 (Mission)	5 N LaGrulla	300	30h	
Old Ocean	1 ENE;hwy N	60	35 S1	80 oct.Cattle on fld.
Palacios	2.7 WNW	13	50h R1 S1	80 oct.
★ Pawnee Int,22,JI-FV	5 WNW;RR W	368	30 L3	
Poteet	0.6 SW;RR E	300	13 S2	73 oct.
✗ Raymondville Int,5,JI-PV	3.5 NNE;RR W	34	29 L3	
(P) Rockport	4.3 N;bay W	22	45h	
(N) Rodd NAAS (Corpus Christi)(N)	9.8 S;RR NE	20	51h R1 L5 S4	91 oct.No storage.
Rooke (Refugio)	3.2 WSW;RR E	46	30 S1	73 oct.Cattle on fld.Twr NW.
San Benito,2,JI-PV	1.5 E;RR SW	31	26 L3 S6	73,80 oct.
Sharry (Mission)	1 NW;RR E	145	30 S4	73,80 oct.
Sinton	1.3 E;RR NW	27	48 S6	80,91 oct.No storage.
Stockton (Palfurrias)	2 NW;RR E	100	27 S1	80 oct.Lake SW.
Tanner Sea & Land Plane Base (Port Lavaca)	3 S;hwy S	12	22 S1	80 oct.Pwr line sur fld.
Travland (Beeville)	2 NW;RR E	225	19 S2	80 oct.Poles E.
Victoria	5.5 N;hwy SW	107	25 S6	80 oct.
(N) Waldron NAAS (Corpus Christi) (N)	12 SSE;hwy NNE	25	50h	INACTIVE.
Weisman (Kingsville)	2.5 NNE;RR S	60	19 S4	Ltd 80 oct.Poleline S,SW,SE.
Wormser (Laredo)	4 SE;hwy W	440	26 S1	80,91 oct.
Worsham (Taft)	0.8 ENE;hwy SW	54	25 S6	80 oct.
Port Isabel	10 NW	12	48h	



● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT (EXCEPT BY ATC REQUEST)

Ⓡ - EXTREMELY HAZARDOUS Ⓘ - USABLE WITH CAUTION


GREEN 5
ABILENE
100°
99°30'
ABILENE 94
99°
98°30'
FORT WORTH 95
98°
32°22'
97°48'
BIG SPRING 91
WINTERS 29 S
EL PASO
WINGATE
FORT WORTH-SAN ANTONIO
COLEMAN 16H S
GORMAN 26 S
STEPHENVILLE MUN 30 S
LOYD HINES
32°
BROWNWOOD MUN 50H
BRUCE
SKY HARBOR 30 L S
NORTH CONCHO 28 S
GOODFELLOW AAF-1877 55H L S-396(126.18)
149
240
MILLER 31 S
BROWNWOOD
HAMILTON 47 S
31°30'
60
GOODFELLOW AAF 227
CURTIS 42 S
EDEN
TEX 13 DA
5000
BIG SPRINGS 326
SAN ANGELO 59H S-272
RED 138
329
307
46
LAMPASAS CO. 42 S
31
60
THE C-B RANCH 32 S
LLANO CO 40 S
BURNET
HOUSTON 118
117
30°30'
4000
127
110
BLUE 30
3000
EL PASO 87
LOUIS SCHREINER 44H L S
174
189
51
SAN MARCOS 266
170
SPRING BRANCH 22
43
80
260
ALAMO 344 (116.1)
SAN MARCOS 29 L S
SAN MARCOS AAF-596 65H L S-317
CLEAR SPRINGS No. 5 54H L
350
BANDERA 27 S
23
22
42
84
MEDINA
234
264
19
SEGUIN 29 S
SEGUIN No. 1 54H
C.A.
FORT CLARK 30
SAN ANTONIO 254 (116.1)
HONDO 61H
54
RANDOLPH AAF 359
354
40
322
GARNER 17 H
FOR DETAILS IN SAN ANTONIO AREA SEE CHART 142
135
RED 32
13
2000
314
BRACKETTVILLE
100°30'
29°05'
100°
CORPUS CHRISTI 114
99°30'
OVER
TO LAREDO
PLEASANTON
97°49'
29°05'
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
AIRPORTS LESS THAN 2800 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
NOTE:
HEAVY LINES ON SIDES OF BLACK LEGS INDICATE "B" BOARDATE.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS OF OPER., REMARKS
ALAMO (San Antonio)	344(JR)(116.1)	MLZ-DTV;174°,2.7	(3); 116.1
GOODFELLOW (San Angelo)(Army)	227 (EIP)	BMRLZ	(3)
Goodfellow Field	396(126.18)+	CA;329°,2.5	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMRLZ	(3)
SAN ANGELO ARPT.	272	CI	(4);(12 noon-1 hr. after sunset)
SAN ANTONIO(Kelly)	254(ZN)(116.1)	SBRAZ-DV,107°,1.8	(4); 116.1
SAN MARCOS(Army)	266 (DMS)	MRLZ	V 6-18 Mon thru Fri.)
San Marcos AAF	317	CA; 170°, 4.2	(3) 266 (days only)
SPRING BRANCH FM	(-)	FM, 354°, 21.6	Alamo

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice. W-Without Voice. Z-VHF Range Station Location Marker (3) 3105, 4495, 6710 kcs. (4) 3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army ACS transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

TEXAS

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bandera	3 SE;hwy NNE	1125	27 S6	80 oct. Trees E.
Brackettville	2.6 W;hwy N	1105	17 S1	Ltd 80 oct.
Brownwood	1 S;hwy W	1310	22	Poles SE,ESE,E.
Brownwood Mun.	6.3 NNE;RR S	1386	50h	
Bruce (Ballinger)	4.5 SSW;RR NW	1731	23h	Allway: 7497 x 5280'.
Burnet	2 NE;RR W	1325	21 S1	80 oct. Pole line SW.
C-B Ranch (Fort McKavett)	1.5 W;rd S	2150	32 S1	80 oct. Livestock on fld.
(A) Clear Springs #5 (New Braunfels)(A)	4.8 E;riv SW	640	54h L	Ctc lgts only.
Coleman	1.7 NE;RR S	1685	16h S6	80,91 oct. Use rnwys only.
Comanche (NC)	1.7 NNW;hwy SW	1500	14	
Curtis (Brady)	3 N;hwy SE	1830	42 S1	Ltd fuel.
Eden	1 NW;hwy E	2050	15 S1	73 oct. Trees NE,SW.
(A) Fort Clark (Brackettville) (A)	1.5 SW;rd E	1105	30	
Garner (Uvalde)	2.7 E;hwy N	930	17h S1	80 oct.
(A) Goodfellow (San Angelo)(A)	3 SE;rds N,W	1877	55h R2 L5 S6	73,91,100 oct. JP-1.
Gorman	1 S;RR NE	1400	26 S2	80 oct. Poles NNE.
Hamilton	2.3 SSW;hwy E	1250	47 S6	80 oct. Fence sur fld.
Hondo	2.1 NW;RR S	929	61h	
Lampasas Co. (Lampasas)	6 NW;RR S	1480	42 S2	80 oct.
Llano County (Llano)	2.4 NNE;riv NE	1029	40 S1	73 oct.
(P) Louis Schreiner (Kerrville)	3.9 SE;RR SW	1590	44h L5 S6	80 oct.
Loyd Hines (Dublin)	1.3 NW;RR SW	1260	18 S1	73 oct. Poles NW,SW,SE.
Mason County (NC)	3.2 ESE;hwy N	1500	44	
Miller (Leaday)	1 S; riv W	1525	31 S6	73 oct. No sto.
North Concho (San Angelo)	1.7 WNW;RR E	1850	28 S4	80 oct. Poles sur. fld.
Riomedina (Castroville) (NC)	4.5 N;riv W	855	45	
SAN ANGELO	8.5 SSW;rd NW	1915	50h R1 L5 S6	80, 91 oct.
(A) San Marcos AAF (A)	5 E;riv W	596	65h R2 L5	
★ San Marcos Int, 31B, JI-FV	2 SE;hwy N	577	29 L3 S6	73,80 oct. Pole line NE.
Schneider (Seguin) (NC)	2.2 WNW;RR N	520	23	Pole line N.
Seguin	3.3 WSW;riv E	400	29 S1	73,80 oct. Pole line NW.
(A) Seguin #1 (A)	3 E;rd N	530	54h	
Sherril (Rock Springs) (NC)	4 W;hwy S	2400	21	Cattle on fld.
Sky Harbor (San Angelo)	4.6 NNW;RR SW	1840	30 L3 S4	80,91 oct. After 2100 lgts on req. Pole line W,NW.
South Coleman (Coleman) (NC)	1 S;hwy NW	1710	21	Closed - not maintained.
Stephenville	1.5 E;hwy S	1310	30 L S6	80 oct. Port rnwy lgts.
White (Brady) (NC)	10 W;RR N	1550	73	
Winters	2 NW;RR E	1860	29 S1	73 oct.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

RADIO

TEXAS

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ARCOLA FM	(- - -)	FM, 226°, 15	Houston
AUSTIN (Robert Mueller Arpt)	281(XN)(116.1)	SBMRLZ-DTV,117°, 2	(3); 116.1
BERGSTROM FIELD (Austin)	396(126.18)+	CA	(4); 126.18
HOUSTON	332(HU)(116.1)	SBRAZ-DTV	(3); 116.1
Houston Airport	278(126.18,118.5)	AC; 309°,2.2	(4);131.9,126.18,118.5
HOUSTON LFM	(- - - -)	LFM,309°,5.5	Houston
NAVASOTA (Int.)	212(NT)(116.1)	BMRL-DTV,180°,1.4	(4); 116.1
RICHMOND	391 (UT)	MRLW	
ROBERT MUELLER ARPT. (Austin)	272(118.7)	C	(4);118.7,126.18,131.9
WACO (Mun.)	385(WC)(116.1)	SBRAZ-DTV;9°,2.6	(4); 116.1
WEBSTER FM	(- -)	FM, 129°, 9.3	Houston
YOAKUM (Int.)	236 (YK)	HW-T;352°,2.8	

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs. Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

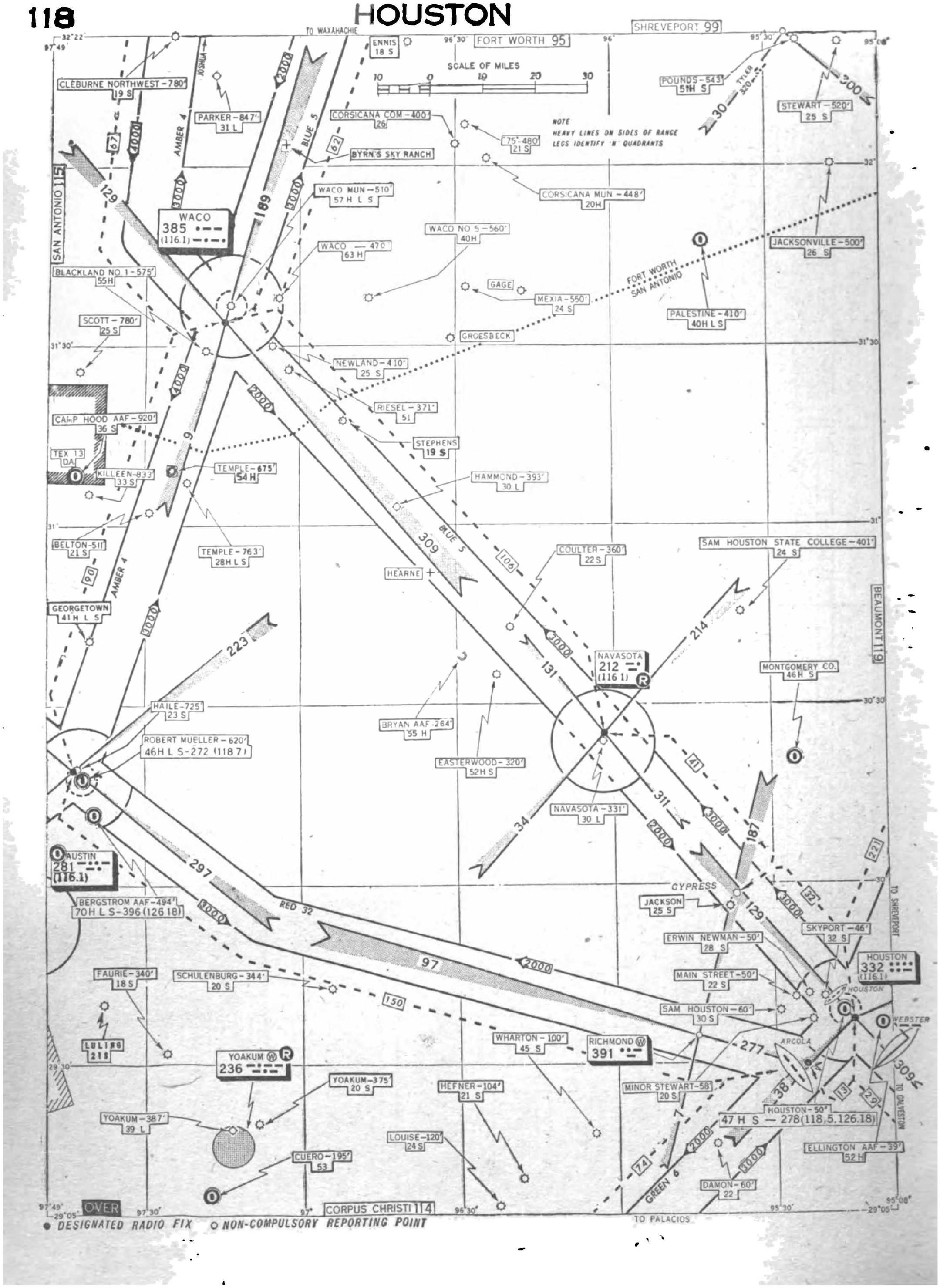
AIRPORTS

TEXAS

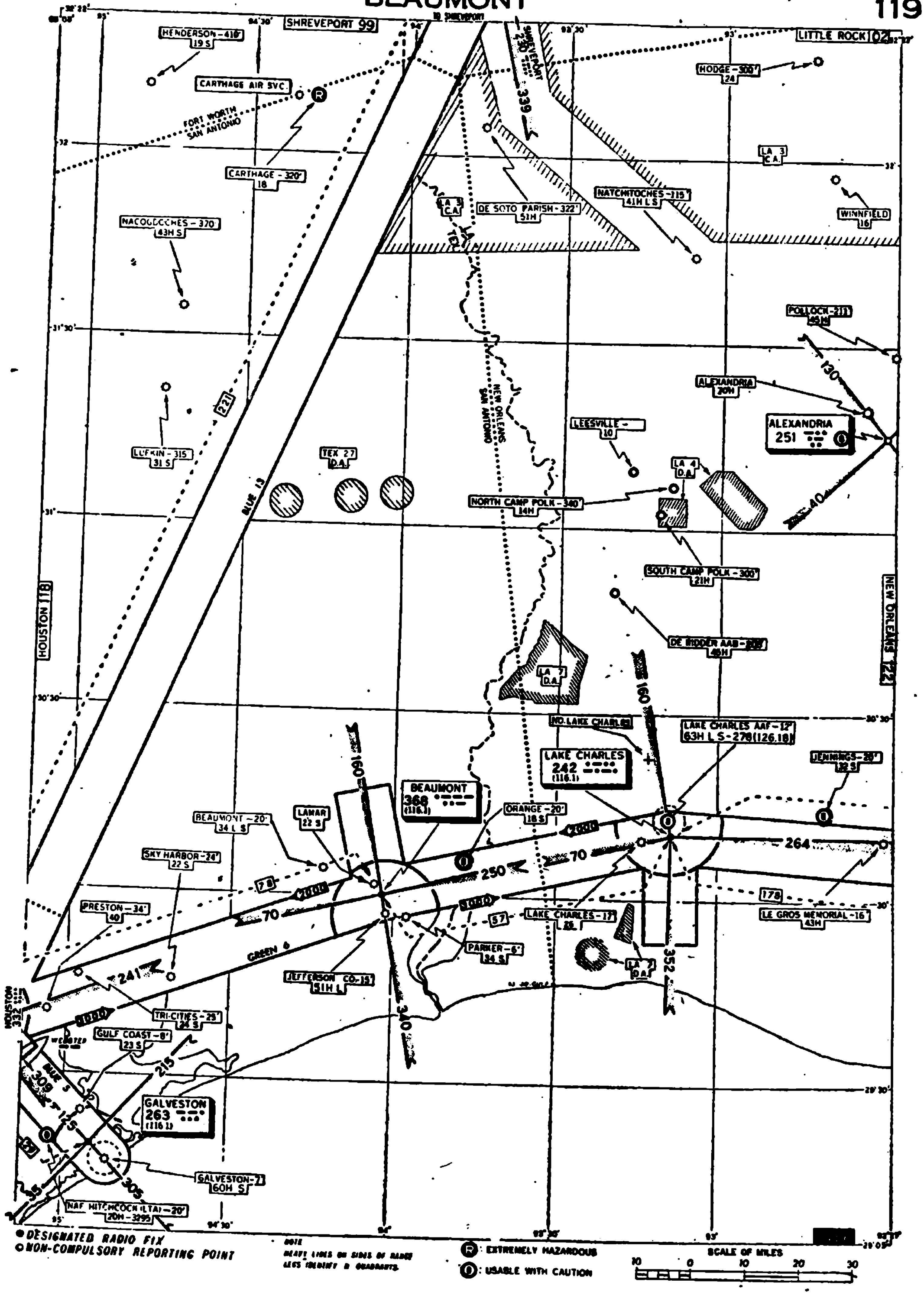
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Belton	1.6 WSW;hwy N	511	21 S1	73,80 oct. No sto.
(A) Bergstrom (Austin)(A)	7 SE	494	70h R1 L5 S6	73,100 oct.No sto.Pole NE, NW.
Blackland #1 (Waco)	11 WSW;RR S	575	55h	
(A) Bryan AAF (A)	7 SSW;rlv SSW	264	55h	TMP INACT.NO FACS(SEE SPL NOT)
Byrn's Sky Ranch (Hillsboro)	5.8 NE	820	25 S6	80 oct. Data unverified.
Cameron Arpk (NC)	1.7 N;RR,hwy W	402	29	Bldg NNE.
(A) Camp Hood Landing Field (Killeen)(A)	2 NE	920	36 S1	CLOSED.
Cleburne Northwest (Cleburne)	1.7 NW;RR NE	780	19 S1	Ltd 80 oct.
Corsicana, com.	2.8 SW;bet rds	400	26	
Corsicana, mun.	5.6 SE;RR E	448	20h	UNUSABLE.Acft parked
Coulter (Bryan)	4 NE;hwy NW	360	22 S6	80 oct.5' fence entire fld.
Cuero	3.1 N;RR SE	195	53	SW.
Damon	3 ESE;hwy WSW	60	22	4' fence sur fld.
(P)Easterwood (College) Station)	2.8 SW	320	52h S6	80 oct.
(A) Ellington(Houston)(A)	15 SE;RR W	39	52h	TMP INACT.NO FACS.(SEE SPL NOT)
Ennis	1.5 NW;RR E	540	18 S4	Ltd 73 oct.No sto.
Erwin-Newman(Houston)	5 SSW;hwy N	50	28 S6	80 oct.
Faurie (Gonzales)	2 NNE;hwy E	340	18 S2	80 oct. Trees N,S.
Gage (Teague)	1.7 N		22 S4	80 oct. Pwr line W.Data unver.
Georgetown	3.3 N;hwy E	789	41h L5 S4	80,91 oct.
Groesbeck	1.5 E;RR W	477	21 S1	73 oct.
Haile (Austin)	4.1 NE;RR E	725	23 S6	80,91 oct. Poles ESE.
* Hammond Int,16,GS-WC	2.5 SSE;RR W	393	30 L3	
Hearne	Adj E;RR E,NE	350	21 S1	80 oct. Data unver.
Hefner (El Campo)	1.5 WSW;RR SE	104	21 L S2	80 oct.Port rnwy lgts. Pole line S,SE.
HOUSTON	9 SSE;hwy W	50	47h R2 L5 S6	73,80,91,100 oct.
Jackson(Cypress)	4 SE;hwy S	145	25 S6	80 oct.
Jacksonville	3 N;RR E	500	26 S6	73;80 oct. Pole line ENE.
Killeen	3.6 SE;RR NNE	833	33 S1	73 oct.Sign board N.
Louise	1.6 E;RR W	120	24 S1	Ltd 80 oct.P-line N,S.
Luling	1.1 SE;hwy NE	418	21 S1	80 oct.Polelines sur fld.
Madisonville Emergency (NC)	0.8 NW;hwy E	400	18	
Main Street (Houston)	6.5 SW;hwy SE	50	22 S6	80 oct.
Mexia	1 SE;RR NW	550	24 S2	80 oct.
Minor Stewart (Houston)	10 S;RR W	58	20 S6	80 oct.
(P) Montgomery Co.Arpk. (Conroe)	3.5 NE;hwy W	245	46h L S6	80,91,100 oct.Lgts on req.
* Navasota Int,10,GS-WC	2.5 ENE;RR NNW	331	30 R1 L3	
Newland (Waco)	4.5 SSE;RR NE	410	25 S6	80,91 oct.
(P) Palestine	4.5 WNW;hwy N	410	40h L5 S6	80,91 oct.
* Parker Int,48,II-FV	0.6 N;hwy W	847	31 L3	
(P) POUNDS (Tyler)	5.5 W;hwy N	543	51h R1 L5 S1	80,91 oct.Ctc lgts prior req
Riesel (Waco)	10.5 SE	371	51	
ROBERT MUELLER (Austin)	3.5 NE;RR SW	620	46h R2 L5 S6	80,91 oct.100 oct gov't contract.
St.Edwards(Austin)(NC)	3.5 S	700	22	
Sam Houston(Houston)	10.5 SW;RR S	60	30 S6	73,80 oct.
Sam Houston State College (Huntsville)	2.5 NW;RR E	401	24 S2	80 oct.
Schulenburg	2.2 N;hwy W	344	20 S4	73 oct. Pole line W.
Scott (Gatesville)	1.8 E;hwy N	780	25 S1	80 oct. Pole line NW.
Seventy-Five(Corsicana)	1.8 N;RR W	480	21 L S6	73 oct.No sto.Port rnwy lgts. Poles NW.
Skyport (Houston)	5 S;hwy N	46	32 S4	80 oct.
Sportsman (Houston)	6 ENE;RR N	60	30 S4	80 oct.
Stephens (Marlin)	2 ESE;RR N,SSW	318	19 S2	80 oct.Cattle on fld.Pole W
Stewart (Tyler)	2.5 E;hwy N	520	25 S6	80 oct. Poles W.
Taylor	2.2 WNW;RR S	520	24 S4	73 oct.
(A) Temple AAF (A)	5.5 NW;rd SW	675	54h	CLOSED
Temple,40,II-FV	2 NNW;hwy SW	763	28h L3 S4	73,80 oct.
Waco	7 NNE;bet RRs	470	63h	
WACO MUNICIPAL	6 NW;lake S	510	57h R1 L5 S4	80,91,100 oct.
Waco #5 (Prairie Hill)	2 S;hwy N	560	40h	
(P) Wharton	1.8 ENE;RR N	100	45 S2	80 oct.
Yoakum	4 N;hwy W	375	20 S6	80 oct.
* Yoakum Int,7,IR-HU	5 NW;hwy S	387	39 L3	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) NC-(not charted). → NEW OR REVISED DATA

HOUSTON


TO WAXAHACHIE
SHREVEPORT 99
FORT WORTH 95
ENNIS 18 S
SCALE OF MILES
10 0 10 20 30
CLEBURNE NORTHWEST – 780'
19 S
PARKER – 847'
31 L
CORSICANA COM – 400'
26
POUNDS – 543'
51H S
STEWART – 520'
25 S
NOTE
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY 'N' QUADRANTS
BYRN'S SKY RANCH
75' – 480'
21 S
CORSICANA MUN – 448'
20H
WACO MUN – 510'
57 H L S
WACO
385
(116.1)
WACO NO 5 – 560'
40H
WACO – 470'
63 H
JACKSONVILLE – 500'
26 S
BLACKLAND NO 1 – 575'
55H
GAGE
MEXIA – 550'
24 S
FORT WORTH
SAN ANTONIO
PALESTINE – 410'
40H L S
SCOTT – 780'
25 S
GROESBECK
NEWLAND – 410'
25 S
CAMP HOOD AAF – 920'
36 S
RIESEL – 371'
51
STEPHENS
19 S
TEX 13
DA
KILLEEN – 833'
33 S
TEMPLE – 675'
54 H
HAMMOND – 393'
30 L
BELTON – 511'
21 S
TEMPLE – 763'
28H L S
HEARNE
COULTER – 360'
22 S
SAM HOUSTON STATE COLLEGE – 401'
24 S
GEORGETOWN
41 H L S
NAVASOTA
212
(116 1)
MONTGOMERY CO.
46 H S
HAILE – 725'
23 S
BRYAN AAF – 264'
55 H
ROBERT MUELLER – 620'
46H L S – 272 (118 7)
EASTERWOOD – 320'
52H S
NAVASOTA – 331'
30 L
AUSTIN
281
(116.1)
BERGSTROM AAF – 494'
70H L S – 396 (126 18)
CYPRESS
JACKSON
25 S
ERWIN NEWMAN – 50'
28 S
SKYPORT – 46'
32 S
HOUSTON
332
(116.1)
FAURIE – 340'
18 S
SCHULENBURG – 344'
20 S
MAIN STREET – 50'
22 S
SAM HOUSTON – 60'
30 S
LULING
218
WHARTON – 100'
45 S
RICHMOND
391
ARCOLA
YOAKUM
236
YOAKUM – 375'
20 S
HEFNER – 104'
21 S
MINOR STEWART – 58
20 S
YOAKUM – 387'
39 L
HOUSTON – 50'
47 H S – 278 (118.5, 126.18)
LOUISE – 120'
24 S
CUERO – 195'
53
ELLINGTON AAF – 39'
52 H
DAMON – 60'
22
CORPUS CHRISTI 114
OVER
TO PALACIOS
TO SHREVEPORT
TO GALVESTON
BEAUMONT 119
TYLER
SAN ANTONIO 115
JOSHUA
AMBER 4
BLUE 5
GREEN 6
RED 32
2000
3000
4000
67
62
129
189
309
106
223
9
90
297
97
150
131
214
41
311
34
187
221
32
277
38
13
29
309
74
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT

BEAUMONT



● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT

NOTE
BLUE LINES ON SIDES OF BASIC AIRWAYS INDICATE B BOUNDARIES

(R): EXTREMELY HAZARDOUS
(O): USABLE WITH CAUTION

SCALE OF MILES
30 0 10 20 30

RADIO — LOUISIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ALEXANDRIA	251 (DAI)	MRAWZ,310°,5.7	
LAKE CHARLES	242(LC)(116.1)	SBRAZ-DTV	(4); 116.1
→ Lake Charles AAF	278 (126.18)	CA; 340°, 2.5	(4) only
TEXAS			
BEAUMONT (Jefferson County)	368(JU)(116.1)	BMRLZ-DTV,160°, 3.7	(4); 116.1
GALVESTON	263(GS)(116.1)	SBMRLZ-DTV, 125°,4.2	(4); 116.1
→HITCHCOCK NAF-LTA	3295	CN	3105,6390 (days)
WEBSTER FM	(- -)	FM, 129°, 9.3	Houston

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; 2-VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Columns indicate VHF Voice. +- Army A.C.S. transmits on and guards 116.1, 137.68, 140.58 mcs.

AIRPORTS — LOUISIANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(A) ALEXANDRIA AAF (A)	5.5 W;riv 2 N	88	70h	CLOSED
De Quincy (NC)	1.5 SW;RR NW	78	24	Cattle on fld.Trees N,E.
(A) De Ridder AAB (A)	3.5 WSW;RR S	203	45h	CLOSED.
(P) De Soto Parish (Mansfield)	4.3 NW;hwy S	322	51h	
Hart (Many) (NC)	1.8 SSW;RR E	242	24	Trees NNE.
Hodge	0.5 ENE;hwy NW	300	24	Cattle on fld.
Jennings	L.4 NNW;RR SW	20	32 S2	80,91 oct. Pole line E.
Lake Charles	5.2 SSW;hwy N	17	26 S6	80 oct. Pole line N.Rnwy data unver.
(A,N) LAKE CHARLES AAF (A)	4 ESE;RR NE	17	63h R2 L5 S6	91,100 oct. JP-1. No sto.
(A) Leesville Landing Strip (A)	2 NW		10	L-type acft.
(P) Le Gros Memorial (Crowley)	6.5 WSW;RR N	16	43h L5	Ctc lgts prior req.
McArthur (Alexandria)	2.8 W;hwy E,N	86	12 S1	Ltd 80 oct. Trees N,S.
(P) Natchitoches	1.5 SSW;RR E	115	41h L5 S6	80 oct.,ltd 90 oct. Ctc lgts prior req.No bcn.
(A) North Camp Polk Landing Strip (Camp Polk) (A)	6 NE	340	14h	
North Lake Charles (Lake Charles)	10 N;hwy NE		50 S4	80,91 oct. No sto.Data unver.
Oakdale (NC)	3 W;hwy N	123	27	Trees WSW,ENE.
Pollock	4.5 SW	211	45h	
(A) South Camp Polk Landing Strip (Camp Polk) (A)	Adj E	300	21h	
Winnfield	3 NW;hwy E	200	16	Trees N.
TEXAS				
Angelina Co.(Lufkin) (NC)	7.5 SSW;RR W	288	42	Cattle on fld.
Beaumont	6.8 W;bet RRs	28	34 L3 S6	73,80 oct. Fld lgts prior request.
Carthage	2 E;hwy N	320	18 S1	Ltd 80 oct.
Carthage Air Service	1.3 W;hwy N,S	310	30 S2	80,91 oct. Pole line N. Trees E,W.
GALVESTON	3.5 WSW;gulf S	7	60h R1 S6	80,91 oct.
Gulf Coast (Texas City)	2.8 WNW;hwy N	8	23 S6	Ltd 80 oct.No sto.Pole line N.
Henderson	2.1 WNW;hwy S	410	19 S2	73 oct.
(N) Hitchcock NAF (LTA) (N)	2.3 SW;RR ENE	20	20h R1	
Humphrey (Goose Creek)(NC)	4 NNE;RR E	34	24	Pole line NW,W.
(P) Jefferson Co.(Beaumont)	9.8 SSE;hwy NE	15	51h R1 L5	
Lamar (Beaumont)	4 SE;riv NE	17	22 S4	80 oct.No sto.Pole line N, S.
Lufkin	2 NW;hwy N	315	31 L1 S6	73,80 oct.
(P) Nachitoches	4 WSW;hwy E	370	43h S5	80,91 oct.
Orange	2.6 W;RR S	20	18 L S1	73 oct. Port rnwy lgts.
Parker (Port Arthur)	4 NW;RR NE	6	34 S6	80 oct.
Preston (Houston)	2.5 WNW of La Porte	34	40	
Richter (Kirbyville) (NC)	1.5 S;RR E	175	16	
Sky Harbor (Anahuac)	0.3 S;hwy N	24	22 S1	80 oct.
Tri-Cities (Goose Creek)	2.6 N;RR E	25	24 S2	80 oct. Pole line SE.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page X111) NC-(not charted). → NEW OR REVISED DATA.

RADIO — LOUISIANA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARATARIA FM	(- -)	FM, 171°, 20	New Orleans
BATON ROUGE (Harding)	347 (RX)	MRLWZ,128°,3.4	
LAFAYETTE	227(UG)(116.1)	MHTV	(4); 116.1
LA PLACE FM	(- - -)	FM, 271°, 16.8	New Orleans
MADISONVILLE FM	(- - - -)	FM, 353°, 32	New Orleans
MOISANT AIRPORT (New Orleans)	278(118.3,126.18)	C (ILS)	(4); 131.9,118.3,126.18
NEW ORLEANS (Moisant)	338(NO)(116.1)	SBRAZ-DTV,271°, 3	(3); 116.1
New Orleans Airport	382 (126.18)	CA	(4); 126.18
New Orleans NAS	323(142.74)	CN	(3);142.74 (8-sunset)
NEW ORLEANS FM	(-)	FM, 63°, 11	New Orleans
MISSISSIPPI			
FLORENCE FM	(- - -)	FM, 173°, 14.6	Jackson
JACKSON AIRPORT	278(126.18,118.7)	C	(4);126.18,118.7,131.9

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Moisant,La.	109.9	333.8	100° Mag.	IM- ..... (.04)	MM-	OM- -- (4.5)
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S Simul Range and Voice W Without Voice Z VHF Range Station Location Marker (3) 3105 4495 6210 kcs. (4) 3105, 4495, 6210 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + Army A C S transmits on and guards 116 1, 137 88, 140 58 mcs

AIRPORTS — LOUISIANA

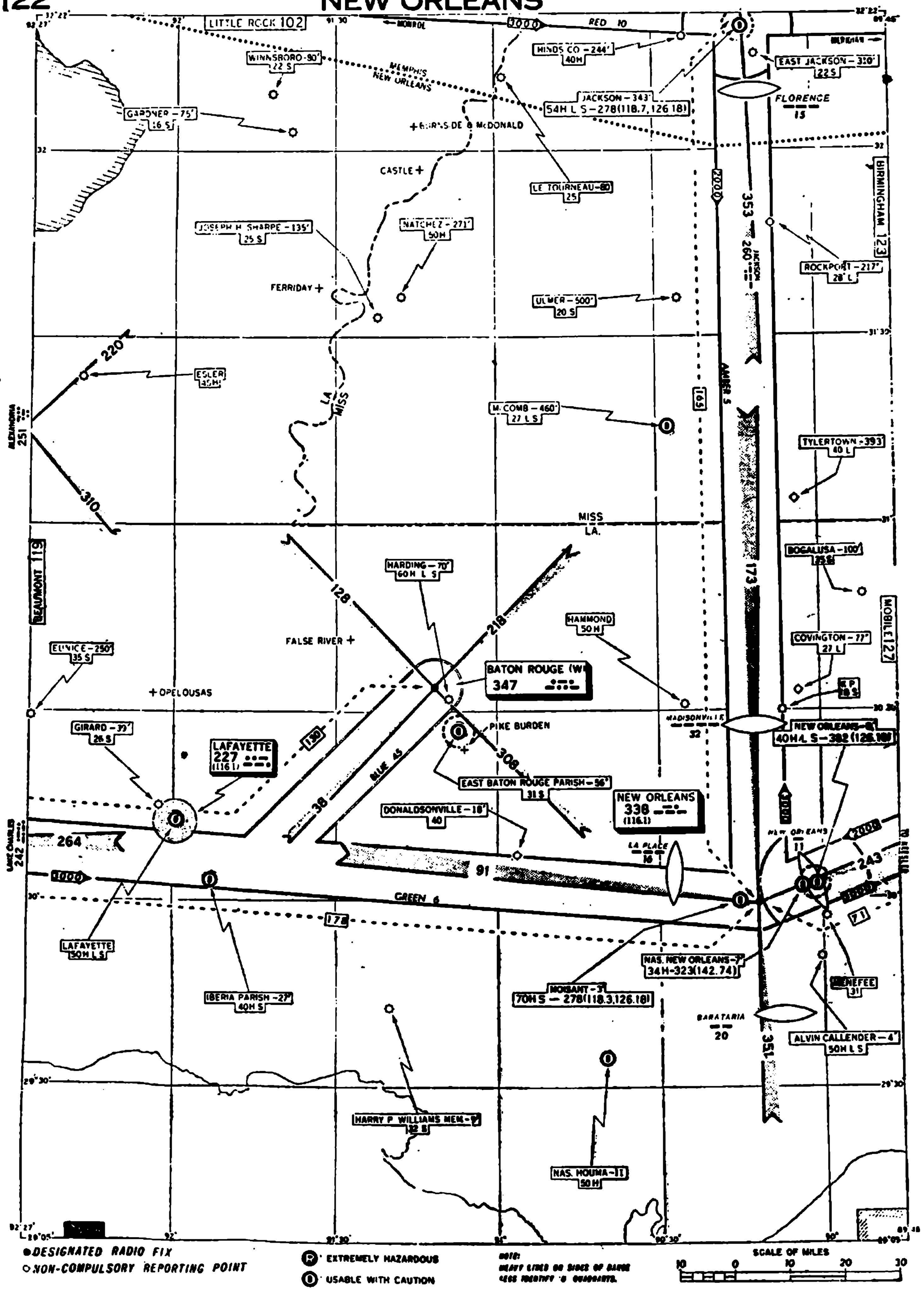
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Alvin Callender (New Orleans)	9 SSE;RR E	4	50h L5 S4	73,80,91 oct
Bogalusa	2.4 N;RR E	100	35 S6	73,80 oct.No sto.Poles S.
Burnside & McDonald (Newellton)	1 WSW	77	50	Data unver.
Castle (St. Joseph)	2 N	75	20 S4	80 oct.No sto.Data unver.
Chapman (New Orleans) (NC)	8.5 NE;lake N	4	22	15' trees NW. Cattle on field.
* Covington Int,3,NO-LS	6 NNE;hwy W	77	27 L3	Pole line W.
* Donaldsonville Int, 26, HU-NO	3 ENE;hwy W	18	40 L3	Levee W. Closed ngts.
East Baton Rouge Parish (Baton Rouge)	4 E;hwy N,E	56	31 S4	80,91 oct. Pole line S
Esler (Alexandria)	11 NE;Bayou S	92	45h	
Eunice	1.7 W;hwy N	250	35 S2	80 oct.
False River(New Roads)	1.5 W	30	25 S1	80 oct. Data unver.
Ferriday	1 N	55	18	Data unver.
Gardner (Gilbert)	1 E;hwy S	75	16 S1	Ltd 73 oct.
Girard (Lafayette)	2.5 NW;hwy E	39	26 S6	80,87 oct.Obsts sur fld.

h-hard surfaced runways R-radio facilities L-ighting facilities S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

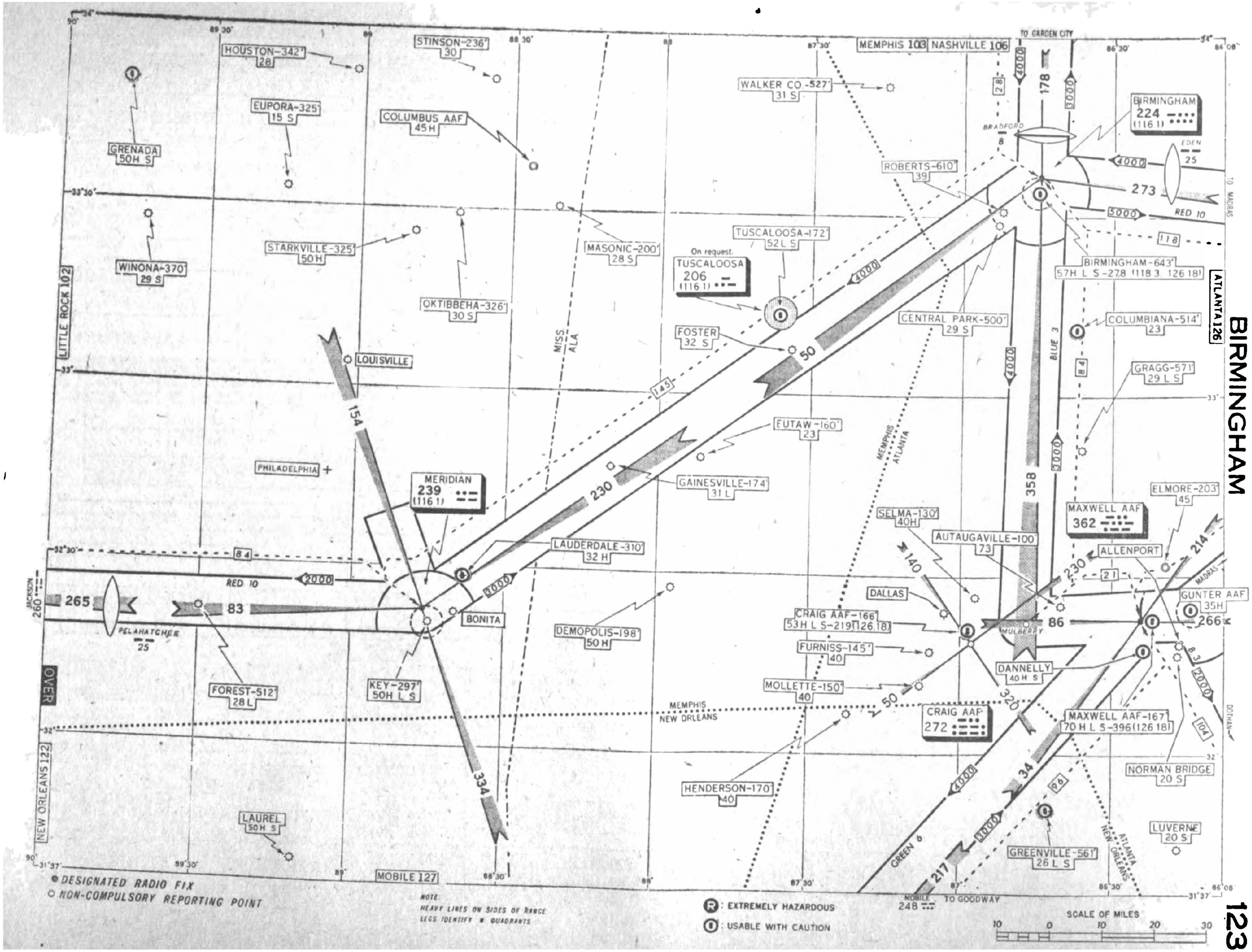
LOUISIANA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Grand Isle (NC)	2.6 NE;hwy NW	4	22	
(A) Hammond AAF (A)	2 ENE;RR S	40	50h	CLOSED
HARDING (Baton Rouge)	5.8 NNE	70	60h L5 S2	91 oct. No bcn.
(P) Harry P. Williams Mem'l. (Patterson)	2 WNW;bet RR, and hwy	9	32 L2 S2	73 oct. No bcn.Lgts prior req. Pole line NW.
(N) Houma NAS (LTA)(N)	3.1 ESE;RR NE	11	50h	INACTIVE.
Iberia Parish (New Iberia)	5 NW;RR NE	27	40h L1 S6	73-91 oct. Bcn prior req.
K-P (Covington)	1.6 NW;RR S	27	18 S2	80 oct.
Lafayette	1.5 SE;RR W	40	50h R1 L5 S1	91 oct. Pole line S.
Menefee (New Orleans)	5.2 E;riv S	1	31	Pole line S.
(N) MOISANT INTERNATIONAL (New Orleans)	11 W;riv S	3	70h R3 L6 S1	80,91,100 oct. Avail.only to Army,Navy, and Airlines.
(A) New Orleans	6.5 NNE;RR S	8	40h R1 L4 S4	91,100 oct.; 100 oct Govt contract, FEE.
(N) New Orleans NAS (N)	4.6 N;on lake	7	34h R1	Tower NE.
Opelousas	1.5 NE	35	18	Data unver.
Pike Burden (Baton Rouge)	5 SE	35	50 S1	80 oct. Data unver.
Texaco (New Iberia) (NC)	2.6 N;hwy W	21	18	Poles W,WSW.Cattle on fld.
Winnsboro	1.2 ESE,RR SW	80	22 S1	80 oct.
MISSISSIPPI				
East Jackson(Jackson)	3.1 SSE;hwy NW	310	22 S6	80 oct. Trees N.
Hinds County (Jackson)	12.8 W	244	40h	
(A,N) JACKSON	3 NW;RR SW	343	54h R2 L5 S6	80,91,100 oct. Tank,stack E.
Joseph H. Sharpe (Natchez)	1.8 ESE;RR S	135	25 S2	73 oct.
→ LeTourneau (Yokena)	2.5 NW;riv W	80	25 L2	Lgts prior request. Caution - wet.
McComb	1.3 NW;hwy E	460	27 L3 S6	80,91 oct.No bcn;lgts prior req.Obsts sur fld.
(P) Natchez	7.1 ENE;RR S	271	50h	
* Rockport Int,12,NO-LS	1.5 E;riv W	217	28 L3	
* Tylertown Int,7,NO-LS	6 SE;road E	393	40 L3	
Ulmer (Brookhaven)	1.5 NNE;RR W	500	20 S4	73 oct.No sto.Poleline W.

NEW ORLEANS


LITTLE ROCK 102
MONROE
RED 10
WINNSBORO-90'
22 S
MEMPHIS
NEW ORLEANS
HINDS CO - 244'
40H
EAST JACKSON - 320'
22 S
FLORENCE
15
JACKSON - 343'
54H L S - 278(118.7, 126 18)
GARDNER - 75'
16 S
+ BARKSDALE & McDONALD
CASTLE +
LE TOURNEAU-80
25
BIRMINGHAM 123
JOSEPH H SHARPE - 135'
25 S
NATCHEZ - 271'
50H
FERRIDAY +
ULMER - 500'
20 S
ROCKPORT - 217'
28 L
353
JACKSON
260
220
ESLER
45 H
LA MISS
M. COMB - 460'
27 L S
165
AMER 5
TYLERTOWN - 393'
40 L
310
MISS
LA.
BOGALUSA - 100'
25 S
BEAUMONT 119
HARDING - 70'
60 H L S
128
218
HAMMOND
50 H
173
MOBILE 127
ELNICE - 290'
35 S
FALSE RIVER +
COVINGTON - 77'
27 L
+ OPELOUSAS
BATON ROUGE (WI
347
S P
18 S
GIRARD - 39'
25 S
LAFAYETTE
227
(116 1)
130
PIKE BURDEN
MADISONVILLE
32
NEW ORLEANS-6
40H L S - 382 (126.18)
BLUE 45
38
306
EAST BATON ROUGE PARISH - 56'
31 S
NEW ORLEANS
338
(116.1)
DONALDSONVILLE - 18'
40
LAKE CHARLES
242
264
LA PLACE
16
NEW ORLEANS
11
2000
243
1000
GREEN 6
178
71
LAFAYETTE
50 H L S
NAS. NEW ORLEANS - 7'
34 H - 323 (142.74)
IBERIA PARISH - 27'
40 H S
MORGANT - 3'
70 H S - 278 (118.3, 126.18)
BARATARIA
20
ALVIN CALLENDER - 4'
50 H L S
151
HARRY P WILLIAMS MEM - 7'
12 S
NAS. HOUMA - 11'
50 H
29°30'
92°27'
29°05'
92°
91°30'
91°
90°30'
90°
89°48'
89°05'
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
EXTREMELY HAZARDOUS
USABLE WITH CAUTION
NOTE:
HEAVY LINES ON SIDES OF RADIO
LEGS INDICATE 'R' QUADRANTS.
SCALE OF MILES
10 0 10 20 30

BIRMINGHAM


HOUSTON-342°
28
STINSON-236°
30
MEMPHIS 103
NASHVILLE 106
TO GARDEN CITY
WALKER CO.-527°
31 S
GRENADA
50H S
EUPORA-325°
15 S
COLUMBUS AAF
45H
BIRMINGHAM
224
(116.1)
BRADFORD
EDEN
25
ROBERTS-610°
39
273
RED 10
TO MADRAS
118
TUSCALOOSA-172°
52 L S
On request.
TUSCALOOSA
206
(116.1)
BIRMINGHAM-643°
57H L S-278 (118.3 126.18)
ATLANTA 126
WINONA-370°
29 S
STARKVILLE-325°
50H
MASONIC-200°
28 S
OKTIBBEHA-326°
30 S
LITTLE ROCK 102
LOUISVILLE
FOSTER
32 S
CENTRAL PARK-500°
29 S
COLUMBIANA-514°
23
GRAGG-571°
29 L S
MISS
ALA
MEMPHIS
ATLANTA
BLUE 3
154
145
50
230
EUTAW-160°
23
GAINESVILLE-174°
31 L
PHILADELPHIA
MERIDIAN
239
(116.1)
358
SELMA-130°
40H
MAXWELL AAF
362
ELMORE-203°
45
AUTAUGAVILLE-100
73
ALLENPORT
214
MADRAS
140
DALLAS
LAUDERDALE-310°
32 H
BONITA
DEMOPOLIS-198°
50 H
CRAIG AAF-166°
53H L S-219 (126.18)
GUNTER AAF
35H
266
265
PELAHATCHEE
25
83
RED 10
FURNISS-145°
40
86
MULBERRY
DANNELLY
40 H S
JACKSON
260
OVER
FOREST-512°
28 L
KEY-297°
50H L S
MOLLETTE-150°
40
MEMPHIS
NEW ORLEANS
CRAIG AAF
272
MAXWELL AAF-167°
70 H L S-396 (126.18)
NORMAN BRIDGE
20 S
NEW ORLEANS 122
HENDERSON-170°
40
LAUREL
50H S
LUVERNE
20 S
GREENVILLE-561°
26 L S
MOBILE 127
MOBILE
248
TO GOODWAY
DESIGNATED RADIO FIX
NON-COMPULSORY REPORTING POINT
NOTE:
HEAVY LINES ON SIDES OF RANGE
LEGS IDENTIFY R QUADRANTS
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BIRMINGHAM	224(BH)(116.1)	SBRAZ-DTV	(3); 116.1
Birmingham Airport	278 (126.18,118.3)	AC; 178°, 3	(4);131.9,126.18,118.3
BRADFORD FM	(-)	FM, 358°, 8	Birmingham
➔CRAIG (Selma)(Army)	272 (DPP)	BMRLZ	(3); 126.18
Craig Field	219 (126.18)	CA; 320°, 2.5	(3); 126.18
EDEN FM	(- -)	FM; 93°, 25.1	Birmingham
➔GUNTER FIELD (Montgomery)			DECOMMISSIONED.
MAXWELL (Montgomery) (Army)	362 (DXW)	SBRAZ	(4)
Maxwell Field	396 (126.18)+	CA; 86°, 2	(4); 126.18
TUSCALOOSA	206(TU)(116.1)	MHTV	(4); 116.1
MISSISSIPPI			
MERIDIAN (Key)	239(UM)(116.1)	SBMRAZ-DTV; 154°, 2.8	(4); 116.1
PELAHATCHEE FM	(- -)	FM, 85°, 25	Jackson.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; 2-VHF Range Station Location Marker: (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — ALABAMA

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
Allenport (Montgomery)	4.3 SSE;RR W	175	30 S6	80 oct. Trees N.
Autaugaville (Selma)	20.5 W	100	73	
(A) BIRMINGHAM	5.5 NE;RR S	643	57h R2 L5 S3	73-100 oct. JP-1. Rdo rec rqrd.
Central Park (Birmingham)	5.2 SW;RR E	500	29 S6	80 oct. No sto.
Columbiana	1.5 WNW	514	23	Lgt acft only.
(A) Craig (Selma)(A)	4.8 SSE	166	53h R2 L5 S6	91,100 oct.
Dallas (Selma)	2.2 SW;riv SSE	161	20 S1	80 oct. Trees NE.
DANNELLY (Montgomery)	7.5 SW;RR E	219	40h S1	80,91 oct.
(P) Demopolis	7.8 WSW;riv NW	198	50h	
➔Elmore (Montgomery)	10 N;hwy N	203	45	CLOSED
Eutaw	2 SE;hwy N	160	23	Pole line W.
Foster (Tuscaloosa)	5.5 S	236	32 S4	Ltd 73 oct. Pwr line E.
Furniss (Selma)	10 SSW	145	40	
* Gainesville Int, 55, FV-AG	2 S;hwy W	174	31 L2	
Gragg, 27, PS-TM (Clanton)	2.2 NE;creek S	571	29 L3 S2	80,91 oct. Hill E.
Greenville, 24, NO-AG	5.5 WNW;hwy S	561	26 L2 S4	80 oct.
(A) Gunter (Montgomery)(A)	5 NE	225	35h	
Henderson (Selma)	29 SW;riv W	170	40	
Luverne	1.7 NNW;RR E	300	20 S1	73 oct. Pole line W
(A) Maxwell (Montgomery) (A)	3 WNW	167	70h R2 L5 S6	73,91,100 oct. No sto. JP-1.
Mollette (Selma)	16.2 SSW	150	40	
Norman Bridge (Montgomery)	5.8 S;RR E	172	20 S4	73 oct. No sto.
Roberts (Birmingham)	3 W;RR N	610	39	
Selma-Selfield (Selma)	4 ENE;RR S	130	40h	
Tuscaloosa, 59, FV-AG	3 NW;RR N	172	52 R1 L3 S6	73,80 oct. Pole,trees N.
Walker County (Jasper)	2.5 NNE;RR W	527	31 S2	80 oct.
MISSISSIPPI				
Bonita (Meriden)	2.5 ENE;hwy N	329	20 S1	80,91 oct.
(A) Columbus AAF (A)	10 N; RR E	215	45h	TMP INACT NO FACS. (SEE SPL NOT).
Eupora	1 NE;hwy S	325	15 S2	80 oct. Hill NW.
Forest, 46, FV-AG	1 W;RR S	512	28 L3	
Grenada	3 N;RR S	207	50h L5 S2	80,91 oct. Ctc lgts req.
Houston	1.5 SW;hwy SE	342	28	Trees W,SE,N; bldg SE.
KEY (Meridian)	3.5 SW;RR E	292	50h R1 L5 S4	80,91 oct. Ctc lgts prior req.
Lauderdale Civil (Meridian)	9 NNE;hwy E	310	32h	
Laurel	3 SW;RR SE	235	50h L S4	80,91 oct. Port. rnwy lgts.
Louisville Air Service	3.9 S;RR W	500	16 S1	80 oct. Pole line S.
Masonic (Columbus)	3.9 ENE;hwy S	200	28 S2	80 oct.
O'Keefe (Newton)(NC)	1.5 ESE;RR N	363	26	Trees NE,SE,NW UNUSABLE.
Oktibbeha (Starkville)	7.5 ENE;hwy E	326	30 S6	73 oct.
➔Philadelphia Arpk.	2 SE;hwy NE	510	24 S4	80 oct. Data unver.
(A) Starkville (A)	2 SW	325	50h	CLOSED
(A) Stinson (Aberdeen) (A)	3 NW;hwy NE	239	30	CLOSED
➔Winona	1.3 SSE;RR W	370	29 S4	73,91 oct. Lgt acft only. Rnwy data unver.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). ➔ NEW OR REVISED DATA

RADIO — ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
→ ANNISTON			DECOMMISSIONED
GEORGIA			
ALBANY (Turner Aux. Field #1)	254(GY)(116.1)	BMRLZ-DTV, 298°, 2.3	(4); 116.1 (DTV Stn lctd at Albany Airport)
ATLANTA	266(AG)(116.1)	SBRAZ-DTXV	(3); 116.1
Atlanta Airport	278(118.7,126.18)	AC(ILS);331°,1.9	(4);126.18,118.7,131.9
Atlanta (Navy)	323 (NCQ)	MRLWZ	
Atlanta NAS	356 (142.74)	CN; 86°, 3.2	3105,4495,3117.5;142.74
EAST POINT LFM	(- - - -)	LFM; 331°, 6.5	Atlanta
JONESBORO	219 (H)	FMK; 133°, 11	Atlanta
JONESBORO FM	(- -)	FM; 133°, 11	Atlanta
→ LAWSON (Columbus) (Army)	379 (DVL)	BMRLZ	(3)
Lawson Field	278 (126.18) +	CA; 21°, 3.3	(3); 126.18
MACON (Herbert Smart)	209 (UN)(116.1)	BMLZ-DTV;246°, 4.8	(4); 116.1
MADRAS FM	(- - -)	FM, 230°, 22.8	Atlanta
MARIETTA AAF	396 (126.18)	CA	4495; 126.18 (8-20)
SMYRNA FM	(. . - - - -)	FM; 331°, 22	Atlanta
STONE MOUNTAIN FM	(-)	FM; 55°, 17.25	Atlanta
TURNER LFM (Army) (NC)	(- - -)	FM, 202°, 11.6	Albay (On req.)
WARNER-ROBINS (Robins Field)	284 (126.18) +	CA	(3); 126.18

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
Atlanta,Ga.	109.9 •-- --•		329° Mag.	IM-	MM-	OM-
					MMK-201·--·(.68)	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S-Simul Range and Voice, W Without Voice, Z VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4435, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A C S transmits on and guards 116 1, 137 88, 140 58 mcs

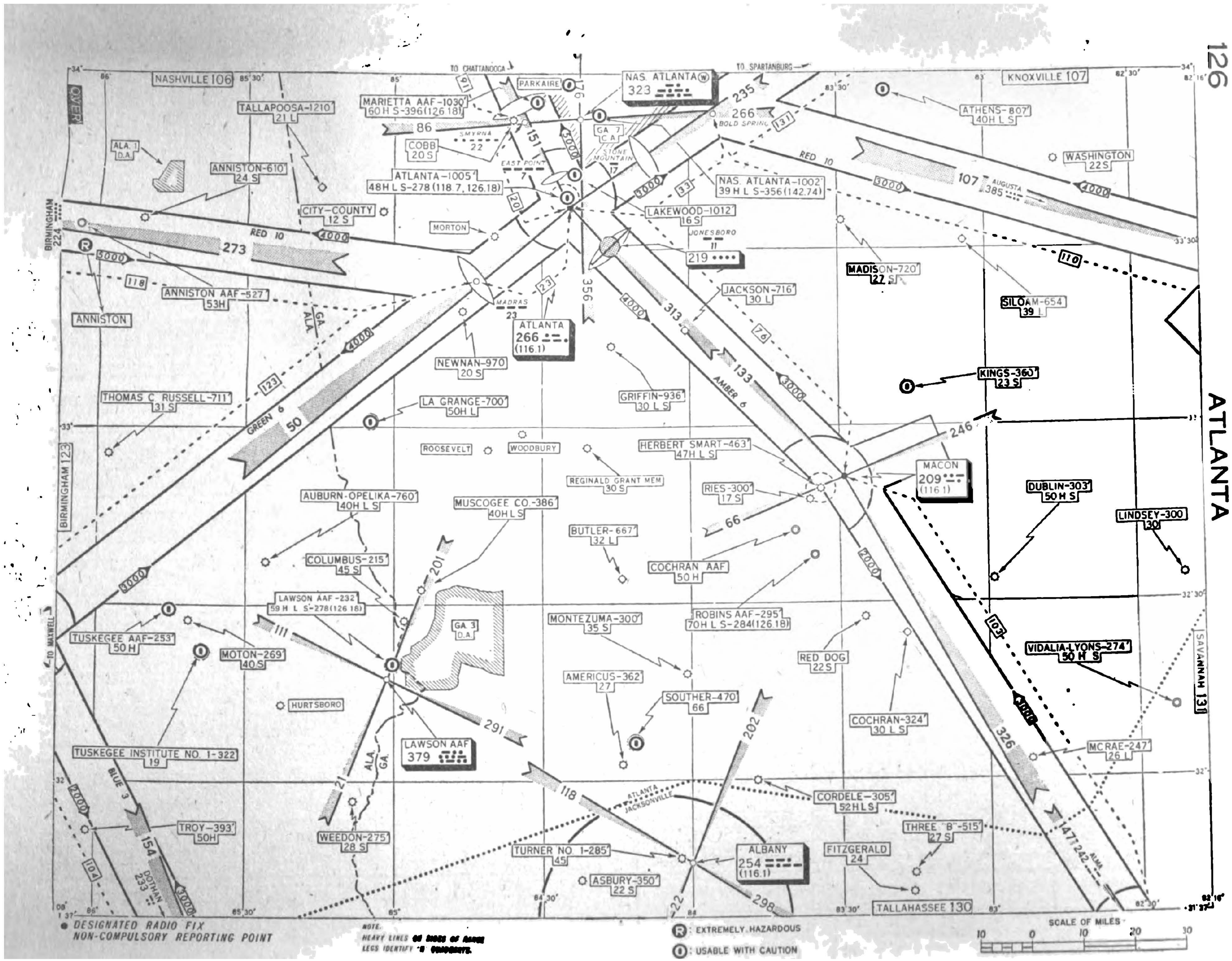
AIRPORTS — ALABAMA

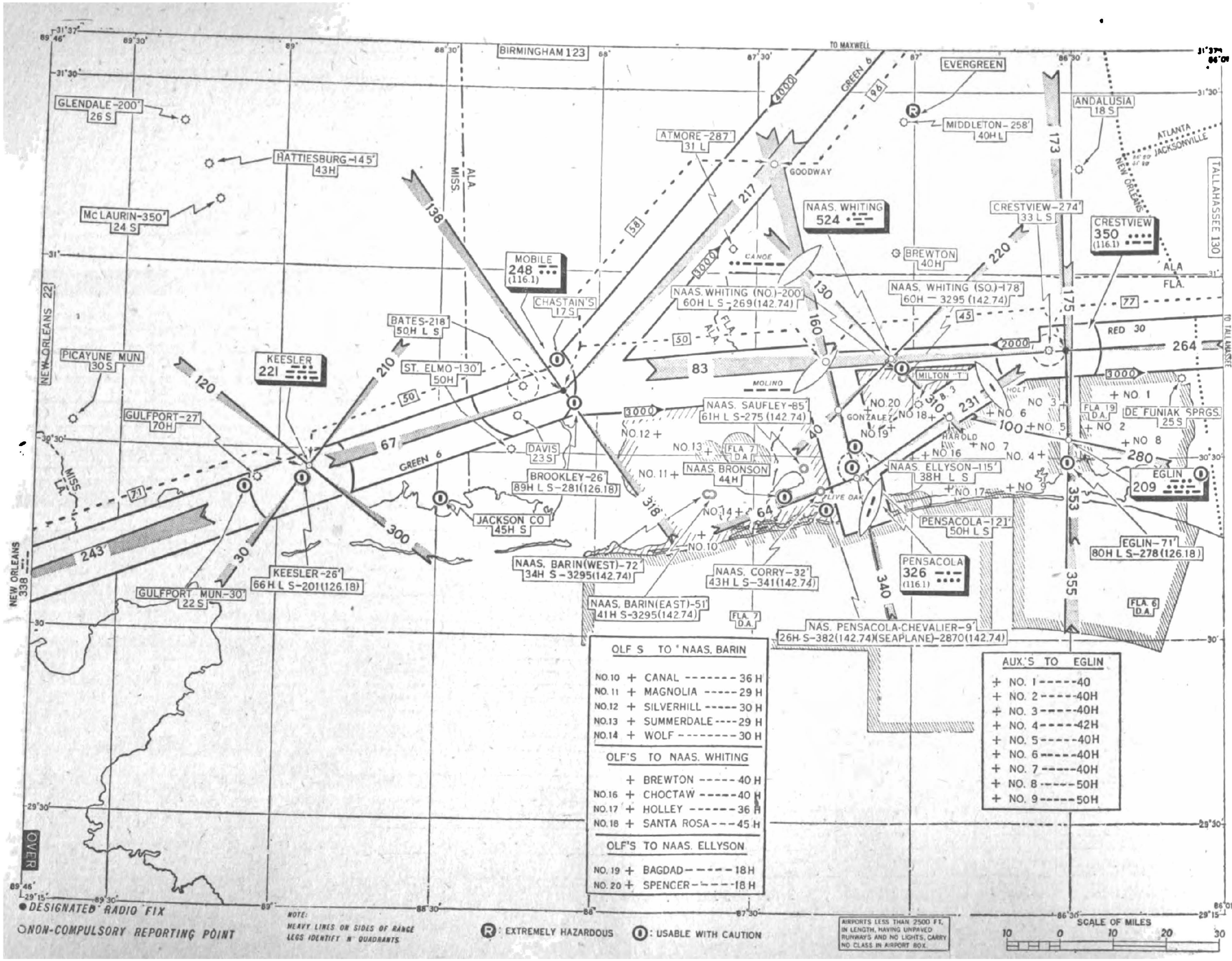
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Anniston	5.5 SSW	610	24 S3	80 oct. Pole line W, lgtd.
(A) Anniston AAF (A) →	15 SW;hwy N	527	53h	TMP INACT.NO FACS (See Spl Notice)
(P) Auburn-Opelika(Auburn)	2.8 E;RR N	770	40h L5 S6	80 oct.Fld lgts prior req.
Hurtsboro	2.5 SE;RR SW	349	23 S1	78 oct.
Moton (Tuskegee)	3 N;RR,riv E	269	40 S6	73-91 oct.No sto.Twr S end.
Talladega (NC)	2.6 NE;RR SE	590	20	Pole line E, hill W.
Thomas C. Russell (Alexander City)	1.5 SW;hwy E	711	31 S5	80 oct.
(P) Troy	4.8 NNW;rd E	393	50h	
(A) Tuskegee AAF (A)	7.3 NW;RR S	253	50h	CLOSED
Tuskegee Institute #1	4 SSE;hwy W	322	19	
Weedon (Eufaula)	4.3 NNE;hwy E	275	28 S2	80 oct.

GEORGIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Americus	..5 S;RR W	362	27	Trees E,W,NE.
Asbury (Dawson)	5.7 SE;RR N	350	22 S1	Ltd 80 oct. Pole NNW.
Athens	3.5 E;RR N	807	40h L4 S6	80, 91 oct.
(A) ATLANTA	8 S;RR N	1005	48h R3 L6 S6	73-100 oct.
(N) Atlanta NAS (N)	8.5 NNE;hwy SE	1002	39h R2 L6 S6	100 oct. NAFC
* Butler Int,14,TJ-AG	0.5 NW;RR S	667	32 L3	Poles S.
City-County(Carrollton)	3.3 NE;hwy E	1200	12 S1	Ltd 73 oct.
Cobb (Marietta)	6.4 SSW;rd S	1050	20 S6	Ltd 80 oct.No sto,Trees
(A) Cochran (Macon)(A) →	10 S;RR E	354	50h	TMP INACT.NO NW. FACS.(See Spl Notice)
* Cochran Int,50,MM-AG	5 NE;rd N	324	30 L2 S6	80 oct.Poles NW,NE,S,SE.
Columbus	1.5 SSE;riv SW	215	45 S4	80 oct.
(P) Cordele	1.6 NNE;RR W	305	52h L3 S1	80 oct.
(N,P) Dublin	4.5 WNW;hwy S	303	50h S1	73 oct.
Fitzgerald	2 SSW;RR W,E	365	24	
Griffin	1.5 S;hwy E	936	30 L3 S6	80 oct. Twr E.
HERBERT SMART (Macon)	4 ESE;hwy W	463	47h R1 L5 S6	91,80 oct.
* Jackson Int,57,MM-AG	4.6 SW;rd S	716	30 L3	Barn E; bldg W.
Kings (Milledgeville)	1.5 NW;RR W	360	23 S4	80 oct. No sto.
(P) La Grange	3 SW;RR ESE	700	50h L2	
Lakewood(Atlanta)	4 S;bet RRs	1012	16 S4	80 oct.
(A) Lawson(Columbus)(A)	9.5 S;riv W	232	59h R2 L5 S6	91,100 oct. No sto.
(P) Lindsey (Swainsboro)	2.3 S;RR W	300	30	Pole line E.
McRae,47,MM-AG	2 SE;RR NE	247	26 L3	
Madison	2 SSW;RR E	720	27 S2	80 oct.Pwr line SSE.
(A) Marietta AAF (A)	2.5 SE	1030	60h R1 L5 S4	100 oct. JP-1 fuel.
Montezuma	1.5 E;RR S,W	300	35 S1	Ltd 80 oct.
→ Morton (Palmetto)	1.8 NNE;RR SE	1020	24 S4	80 oct. Hi-line E.
MUSCOGEE CO (Columbus)	6 NE;hwy E	386	40h L5 S6	80,91 oct.Fld lgts prior req.
Newnan Airpark	3.7 SE;RR W	970	20 L1 S1	80 oct.
Parkaire (Marietta)	7.7 E;hwy SW	1100	22 S1	80 oct.
Red Dog (Cochran)	6.2 NW;RR W	300	22 S4	80 oct.Trees N,E.
Reginald Grant Memorial (Thomaston)	3.7 NNW;hwy NE	750	30 S4	80 oct. Trees S.
Ries (Macon)	4.5 SE;RR W	300	17 S1	Ltd 80 oct.-emerg.Trees
(A) Robins (Warner-Robins) (A) →	1.5 NE of Wellston	295	70h R1 L5 S6	62,73,100 oct:JP-1 NE.
Roosevelt (Warm Spgs)	3.5 N;hwy W	870	22 S2	80 oct. Trees SE,SW,NW.
* Siloam Int,7B,AG-CS	1.3 S;road W	654	39 L3	82'mast SE corner N/S
Souther (Americus)	4 NE;RR W	470	66	strip.
* Tallapoosa Int,73, FV-AG	5.5 SSE	1210	21 L3	Trees SE; house NW.
Three "B" (Fitzgerald)	1.5 N	515	27 S1	80 oct.
Turner #1 (Albany)	15 NE	285	45	
(A) Vidalia-Lyons(Vidalia)	3.2 SE;hwy N	274	50h	TMP INACT NO FACS(See
Washington	1.4 NW;RR SE	600	22 S1	80 oct. Spl Not.)(A)
Woodbury	1.5 E	770	16 S1	Fuel. Data unver.

h-hard surfaced runways. R-radio facilities L-lighting facilities. S servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA


NASHVILLE 106
TO CHATTANOOGA
TO SPARTANBURG
KNOXVILLE 107
NAS. ATLANTA (W) 323
PARKAIRE
MARIETTA AAF-1030 60 H S-396(126.18)
TALLAPOOSA-1210 21 L
ATHENS-807 40H L S
266 BOLD SPRING
ALA. 1 D.A.
COBB 20 S
SMYRNA 22
GA. 7 C.A.
STONE MOUNTAIN
EAST POINT
ANNISTON-610 24 S
ATLANTA-1005 48H L S-278 (118.7, 126.18)
NAS. ATLANTA-1002 39 H L S-356 (142.74)
WASHINGTON 22 S
CITY-COUNTY 12 S
LAKEWOOD-1012 16 S
MORTON
JONESBORO
219
MADISON-720 22 S
JACKSON-716 30 L
ANNISTON AAF-527 53H
ANNISTON
SILOAM-654 39 L
ATLANTA 266 (116.1)
NEWNAN-970 20 S
KINGS-360 23 S
THOMAS C. RUSSELL-711 31 S
LA GRANGE-700 50H L
GRIFFIN-936 30 L S
ROOSEVELT
WOODBURY
HERBERT SMART-463 47H L S
MACON 209 (116.1)
DUBLIN-303 50 H S
REGINALD GRANT MEM 30 S
RIES-300 17 S
LINDSEY-300 30
AUBURN-OPELIKA-760 40H L S
MUSCOGEE CO.-386 40H L S
BUTLER-667 32 L
COLUMBUS-215 45 S
COCHRAN AAF 50 H
LAWSON AAF-232 59 H L S-278(126.18)
MONTEZUMA-300 35 S
ROBINS AAF-295 70H L S-284(126.18)
VIDALIA-LYONS-274 50 H S
GA. 3 D.A.
TUSKEGEE AAF-253 50 H
MOTON-269 40 S
RED DOG 22 S
AMERICUS-362 27
SOUTHER-470 66
HURTSBORO
COCHRAN-324 30 L S
MCRAE-247 26 L
LAWSON AAF 379
TUSKEGEE INSTITUTE NO. 1-322 19
CORDELE-305 52H L S
TROY-393 50H
WEEDON-275 28 S
TURNER NO. 1-285 45
ALBANY 254 (116.1)
FITZGERALD 24
THREE "B"-515 27 S
ASBURY-350 22 S
TALLAHASSEE 130
DOTHAN 233
SAVANNAH 131
ATLANTA JACKSONVILLE
ALMA
BIRMINGHAM 224
BIRMINGHAM 123
TO MAXWELL
OVER
RED 10
GREEN 6
AMBER 6
BLUE 3
ATLANTA
● DESIGNATED RADIO FIX NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF AIRWAY LEGS IDENTIFY "B" BOUNDARYS.
R: EXTREMELY HAZARDOUS
O: USABLE WITH CAUTION
SCALE OF MILES
10 0 10 20 30


BIRMINGHAM 123
TO MAXWELL
GLENDALE-200'
26 S
HATTIESBURG-145'
43H
McLAURIN-350'
24 S
MOBILE
248
(116.1)
CHASTAIN'S
17 S
BATES-218'
50H L S
ST. ELMO-130'
50H
KEESLER
221
PICAYUNE MUN.
30 S
GULFPORT-27'
70H
DAVIS
23 S
BROOKLEY-26'
89H L S-281(126.18)
JACKSON CO
45H S
KEESLER-26'
66H L S-201(126.18)
GULFPORT MUN.-30'
22 S
ATMORE-287'
31 L
GOODWAY
EVERGREEN
MIDDLETON-258'
40H L
ANDALUSIA
18 S
ATLANTA
JACKSONVILLE
NEW ORLEANS
TALLAHASSEE 130
NAAS. WHITING
524
CANOE
NAAS. WHITING (NO.)-200'
60H L S-269(142.74)
NAAS. WHITING (SO.)-178'
60H — 3295 (142.74)
BREWTON
40H
CRESTVIEW-274'
33 L S
CRESTVIEW
350
(116.1)
ALA
FLA.
RED 30
264
MILTON "T"
NAAS. SAUFLEY-85'
61H L S-275 (142.74)
NO.12 +
NO.13 +
NO.11 +
NAAS. BRONSON
44H
NO.14 +
NO.10 +
NAAS. BARIN(WEST)-72'
34H S-3295(142.74)
NAAS. BARIN(EAST)-51'
41H S-3295(142.74)
NAAS. CORRY-32'
43H L S-341(142.74)
FLA. 7 D.A.
NO.20 +
GONZALEZ
NO.18 +
NO.19 +
HAROLD
NO.16 +
NO.17 +
NO.7 +
NO.6 +
NO.5 +
NO.4 +
NO.3 +
NO.2 +
NO.1 +
NO.8 +
NO.9 +
FLA. 19 D.A.
DE FUNIAK SPRGS.
25 S
NAAS. ELLYSON-115'
38H L S
PENSACOLA-121'
50H L S
PENSACOLA
326
(116.1)
EGLIN
209
EGLIN-71'
80H L S-278(126.18)
FLA. 6 D.A.
NAS. PENSACOLA-CHEVALIER-9'
26H S-382(142.74)(SEAPLANE)-2870(142.74)
NEW ORLEANS 22
NEW ORLEANS 338
MISS. LA.
ALA MISS.
OLF S TO NAAS. BARIN
NO.10 + CANAL ------- 36 H
NO.11 + MAGNOLIA ----- 29 H
NO.12 + SILVERHILL ----- 30 H
NO.13 + SUMMERDALE ---- 29 H
NO.14 + WOLF -------- 30 H
OLF'S TO NAAS. WHITING
+ BREWTON ----- 40 H
NO.16 + CHOCTAW ----- 40 H
NO.17 + HOLLEY ------ 36 H
NO.18 + SANTA ROSA --- 45 H
OLF'S TO NAAS. ELLYSON
NO.19 + BAGDAD ----- 18H
NO.20 + SPENCER ----- 18 H
AUX.'S TO EGLIN
+ NO. 1 -----40
+ NO. 2 -----40H
+ NO. 3 -----40H
+ NO. 4 -----42H
+ NO. 5 -----40H
+ NO. 6 -----40H
+ NO. 7 -----40H
+ NO. 8 -----50H
+ NO. 9 -----50H
OVER
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES ON SIDES OF RANGE LEGS IDENTIFY "R" QUADRANTS
Ⓡ: EXTREMELY HAZARDOUS
Ⓞ: USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.
SCALE OF MILES
10 0 10 20 30

RADIO AIDS TO NAVIGATION

ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BARIN FIELD NAAS (Foley) EAST FIELD	3295 (142.74)	CN	3105; 142.74
BARIN FIELD NAAS (Foley) WEST FIELD	3295 (142.74)	CN	3105; 142.74
BROOKLEY FIELD (Mobile)	281 (126.18)+	CA	(4); 126.18
CANOE FM	(- - - - -)	FM; 310°, 24.9	Whiting NAAS
→ EVERGREEN (Middleton)			DECOMMISSIONED
MOBILE (Brookley)	248)MS)(116.1)	SBRAZ-DTV;138°,3.2	(4); 116.1

FLORIDA

CORRY FLD NAAS (Pensacola)	341 (142.74)	CN	3105; 142.74
CRESTVIEW	350(HW)(116.1)	SBRAZ-DTV;264°,2.6	(4); 116.1
EGLIN (Valparíso)(Army)	209 (DVQ)	MRLPZ	(Voice 6-24)(3); 126.18
→ Eglin Field	278 (126.18) +	CA; 175°, 4	(3); 126.18 (6-24)
HOLT FM	(-)	FM, 51°, 31.2	Pensacola
LIVE OAK FM	(- -)	FM, 160°, 6	Pensacola
MOLINO FM	(- - - -)	FM, 340°, 21.4	Pensacola
PENSACOLA	326 (KH)(116.1)	SBRAZ-DTV;340°,2.1	(4); 116.1
Pensacola-Chevalier NAS	382 (142.74)	CN	(4); 142.74 (sunrise-30 mins after sunset)
Pensacola-Chevalier NAS (Seaplane)	2870 (142.74)	CN	3105; 142.74 (730-1630 except Sat,Sun. and holidays)
SAUFLEY FLD NAAS (Pensacola)	275 (142.74)	CN	3105,4495; 142.74 (GCA)
WHITING (Milton)(Navy)	524 (AWT)	MRLZ	
Whiting Fld NAAS (North)	269 (142.74)	CN; 130°, 3.2	3105, 4495; 142.74
Whiting Fld NAAS (South)	3295 (142.74)	CN	3105; 142.74 (7-22)

MISSISSIPPI

KEESLER (Biloxi) (Army)	221 (DOX)	BMRLZ	(4); 4220
Keesler Field	201 (126.18)	CA; 210°, 2.9	(4); 4220

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-
				IM-	MM-	OM-
					MMK-	OMK-

S Simul Range and Voice, W-Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.83, 140.58 mcs.

AIRPORTS

ALABAMA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Andalusia	1.7 SSE;RR N	340	18 S1	80 oct.
* Atmore Int, 16, NO-AG	6 NW;at rd int.	287	31 L3	
(N) Barin NAAS-East (Foley)	2.7 ESE	51	41h R1 L1 S4	91 oct.
(N) Barin NAAS-West (Foley)	2.7 ESE	72	34h R1 L1 S4	91 oct.
BATES (Mobile)	10 W;rd N,S	218	50h L5 S4	80,91 oct.No flood lgts; ctc lgts req.
Brewton (old) (NC)	2.5 N;hwy E	100	23	UNUSABLE.
(P) Brewton (new)	3.5 S; riv N	92	40h	
(A) Brookley (Mobile) (A)	3 SSW;RR NW	26	89h R2 L5 S4	62,73,91,100 oct. JP-1.
(N) Canal OLF (Foley) (N)	8 S; rd W	16	36h	
Chastain's (Prichard)	2.5 NW;RR E	50	17 S1	80 oct.
Davis (Mobile)	12.1 WSW;RR E	180	23 S1	73 oct.
(N) Faircloth (Lillian) (N)	3 NW;bay E	70	37	
(N) Kaisers Tract OLF (Elberta) (N) (NC)	3.3 ENE;hwy S	90	25	
(N) Magnolia OLF (Foley) (N)	5.4 NW	83	29h	

ALABAMA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Middleton (Evergreen)	6 WSW;hwy N	258	40h ... L5	Fld lgts prior req.
St. Elmo	1 WSW;RR S	130	50h	
(N) Silverhill OLF (N)	3.5 WNW	129	30h	
(N) Summerdale OLF (N)	3.5 ENE;RR W	129	29h	
(N) Wolf OLF (Josephine) (N)	1.5 N;bay E	54	30h	

FLORIDA

(N) Bagdad OLF (Pensacola) (N)	14 NE;RR SE	111	18h	Use rnwys.
(N) Bronson NAAS (Pensacola)(N)	12 WSW;bay W	27	44h	INACTIVE.
(N) Choctaw OLF (Pensacola)(N)	15 ENE	111	40h	
Crestview,21,NO-JX	2.5 N;RR E	274	33 R1 L2 S6	80 oct. No sto.
De Funiak Springs	1 W;RR N	197	25 S1	80 oct. Pwr line N.
(A) Eglin (Valparíso) (A)	1.8 SW;hwy SE	71	80h R2 (L5) S4	73-100 oct. JP-1. No sto
(A) Eglin #1 (Valparíso) (A)	13.7 NNE	238	40h	
(A) Eglin #2 (Valparíso) (A)	6.1 NNE	157	40h	
(A) Eglin #3 (Valparíso) (A)	10 N	192	40h	
(A) Eglin #4 (Valparíso) (A)	6.2 W	92	42h	
(A) Eglin #5 (Valparíso) (A)	10 NW	178	40h	
(A) Eglin #6 (Valparíso) (A)	18.2 WNW;riv NW	136	40h	
(A) Eglin #7 (Valparíso) (A)	19.5 W	133	40h	
(A) Eglin #8 (Valparíso) (A)	10.3 ENE	113	50h	
(A) Eglin #9 (Valparíso) (A)	13.7 WSW	35	50h	
(N) Ellyson NAAS (Pensacola) (N)	7.5 NNE;bay E	115	38h L S6	73,91 oct E and W flds. CLOSED.
Gulf Airpark (Pensacola) (NC)	3 NW		17	Data unver.
(N) Helm OLF (Pensacola) (N) (NC)	12 NW	100	54	
(N) Holley OLF (N)	1.5 S;riv N	37	36h	
Milton "T" (NC)	3.5 ENE;RR S	150	53 S3	80 oct.
(P) PENSACOLA	4 NNE;bay E	121	50h R1 L5 S6	80,91 oct.
(N) Pensacola NAS (Chevalier)(N)	5.3 SW;RR W	9	26h R1 L S6	91 oct. Flood,obst lgts.
(N) Pensacola NAS (Corry) (N)	5 WSW;hwy SE	32	43h R1 L4 S6	91 oct. Obsts N,E,W.
(N) Pensacola OLF #1 (N)(NC)	14 NW;riv 3 W	100	46	
(N) Pensacola OLF #5 (N)(NC)	10 NNW;RR W	115	57	
(N) Pensacola OLF #6 (N)(NC)	10 NNW;RR E	110	48	
(N) Pensacola OLF #7 (N)(NC)	7 NW	103	37	
(N) Pensacola OLF #8A (N)(NC)	13 NW	100	73	
(N) Pensacola OLF #9K (N)(NC)	11.5 NNW;RR E	110	50	
(N) Santa Rosa OLF (Milton) (N)	6 E;rivs N,S,W	150	45h	
(N) Saufley NAAS (Pensacola) (N)	8.5 WNW;bay SW	85	61h R1 L5 S4	87,91 oct.
(N) Spencer OLF (Pensacola) (N)	15 NNE;bay S	145	18h	
(N) Whiting NAAS-North (Milton)	6 N	200	60h R2 L6 S4	73,91,100 oct. (N)
(N) Whiting NAAS-South (Milton)	5 N	178	60h R1	Use N Field. INACTIVE. (N)

MISSISSIPPI

Ellisville (NC)	1.3 SW;RR SE	240	18	
Glendale (Hattiesburg)	5 NNW;hwy E	200	26 S3	80 oct.
(A) Gulfport AAF (A)	3.4 NE	27	70h	CLOSED
Gulfport, mun.	1.3 N;RR E	30	22 L1 S1	80 oct. Twrs SE,NNE, lgtd.
(A) Hattiesburg AAF (A)	5 SSE;RR SW	145	43h	Poles W,NW. RR NE. CLOSED
Jackson Co. (Pascagoula)	3.5 ENE;RR N	16	45h L5 S6	80,91 oct.
(A) Keesler (Biloxi) (A)	2 WNW;bay N	26	66h R2 L5 S5	73,91,100 oct. Rdo rqrd ngts.
McLaurin	1 NNE;RR W	350	24 S4	73 oct. Lgt acft only.
Picayune	2.3 NNE	92	30 S4	73 oct. No sto. Trees N, SW.

RADIO

ALABAMA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
DOTHAN	233(NI)(116.1)	SBRAZ-VDT,47°,3.7	(4);116.1

FLORIDA

CROSS CITY	269 (FC)(116.1)	SBMRAZ-VDT,315°,2.7	(4), 116.1
DALE MABRY FLD (Tallahassee)	281 (126.18)(118.3)	C,	(4), 126.18, 118.3 .131.9
TALLAHASSEE (Dale Mabry Fld)	335 (TJ)(116.1)	SBRAZ-VDT,85°,2.7	(3), 116.1
TYNDALL (Panama City)(Army)	203 (DKE)	BMRLZ	Voice 8-23. (3); 126.18
Tyndall Field	272 (126.18)	CA, 313°, 3	(3), 126.18 (6-24)

[redacted]

ALMA (Bd.)	242 (AJ)(116.1)	SBRAZ-VDT,144°, 2.2	(4), 116.1
TURNER LFM (Army)(NC)	(- - -)	FM,202°,11.6	Albany (On req)

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ALABAMA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
DOTHAN	3 WNW;hwy S,E	330	40h R1 L5 S6	80,91 oct.No sto.No flood lgts.
Enterprise	0.5 NE	355	22	
Headland	2 NE,hwy N	350	48	
(A) Napier (Dothan)(A)	7.5 NW,RR S	397	45h	CLOSED
(A) Ozark AAF (A)	12 SSW	305	46h	TMP INACT NO FACS(See Spl Not.)
Southern Airmotive	2 SE,RR W	322	27 S4	80 oct. Twr NW. (Dothan)

[redacted]

FLORIDA

(A) Alliance #4(Marianna)(A)	14 SE	215	50h	CLOSED
(A) Apalachicola AAF (A)	2 W,RR N	19	53h	TMP INACT NO FACS(See Spl Not.)
Bascom (Marianna)	15.5 NE	120	50h	
Carrabelle Flgt Strip	2.6 W,hwy S	20	40h	
Chipley	1.5 SE,hwy N	100	24 S1	80 oct.Trees around fld.
Cross City	1 SE,RR SW	42	50h R1 L5	
DALE MABRY (Tallahassee)	3 W, RR S	70	52h R2 L5 S4	80, 91 oct.
Ellis (Marianna)	9.5 N,riv W	116	50h	
Jasper ,43,NO-JX	3.5 SSE,RR NE	148	36 L3	Poles W.Power line NE.
John H. Alison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct. Lgts prior req.
(N) Lake Butler OLF (N)	2 SSW,RR NW	131	60h L	
Lake City	3.7 ESE,RR S	201	60h	
Lake Jackson(Tallahassee)	9 NNW,riv NW	250	30 S4	80 oct. No sto.
Live Oak	1 W,RR W	105	26 S1	80 oct. Pole line N,NE,SW. Hwy N.
Malone #2 (Marianna)	15.5 N	154	50h	
Marianna	6 NE,hwy E	112	50h L5 S4	80 oct.Fld lgts prior req.
Montbrook (Williston)	3.2 SSW,hwy E	70	70h	
Monticello (NC)	1.5 SW,hwy E	160	25	
Panama City	5 NW,bay N,S,W	5	19 S6	80 oct.

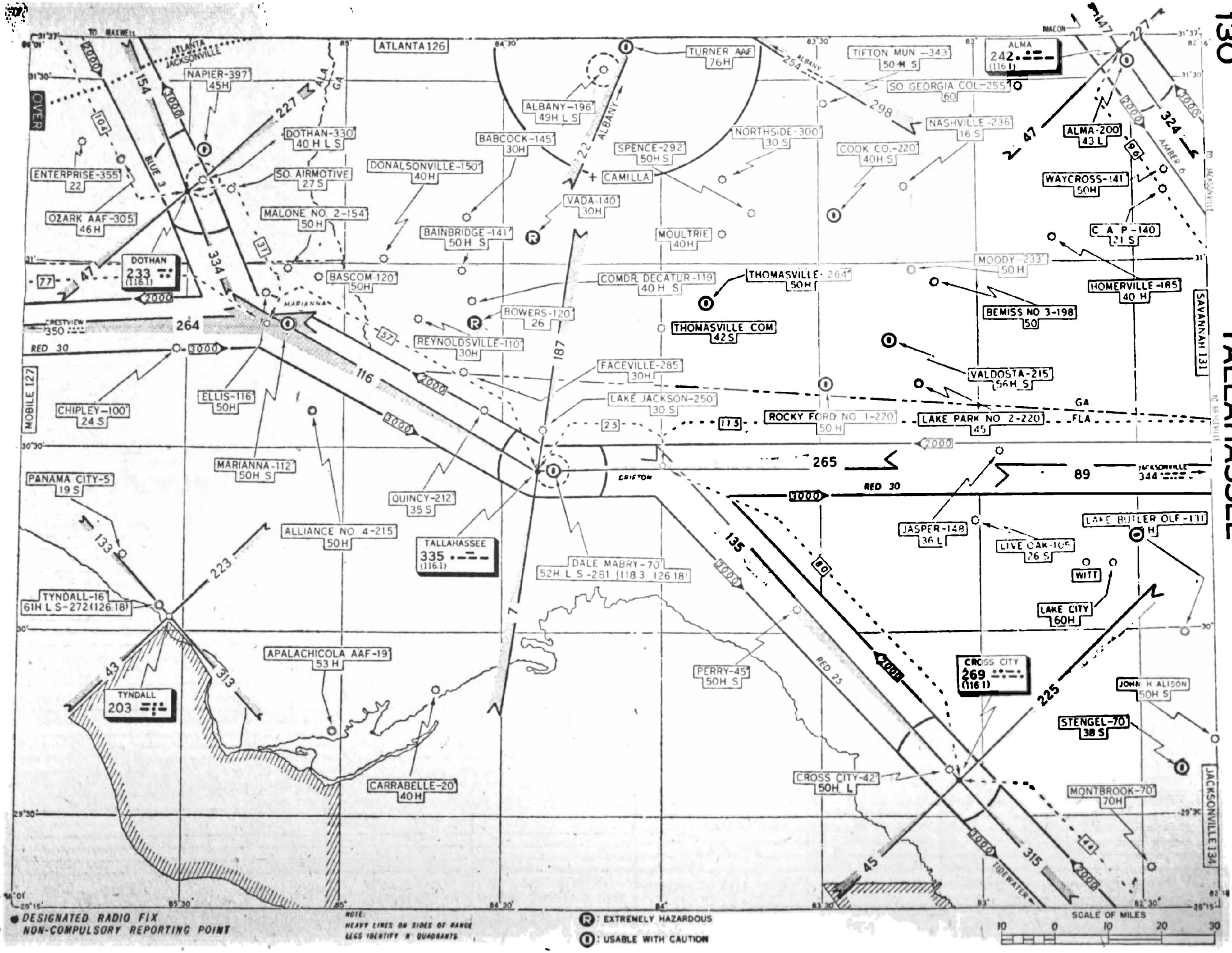
FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Perry	2 S; RR E	45	50h S2	80,91 oct.
Perry Municipal	0.5 NE	43	20	Trees NE,SW.
Quincy	1.5 NE,RR S	212	35 S1	80 oct.
Stengel(Gainesville)	4 WSW,RR SE	70	38 S6	80 oct. Trees around fld.
Tennile (NC)	2.2 SSW;rd E	35	20	Trees SW Road E.
(A) Tyndall (Panama City)	8 SE	16	61h R2 L5 S6	73,91,100 oct. Gulf of Mexico SW. (A)
Witt (Lake City)	2 WSW;hwy S	200	36 S4	80 oct. No sto.

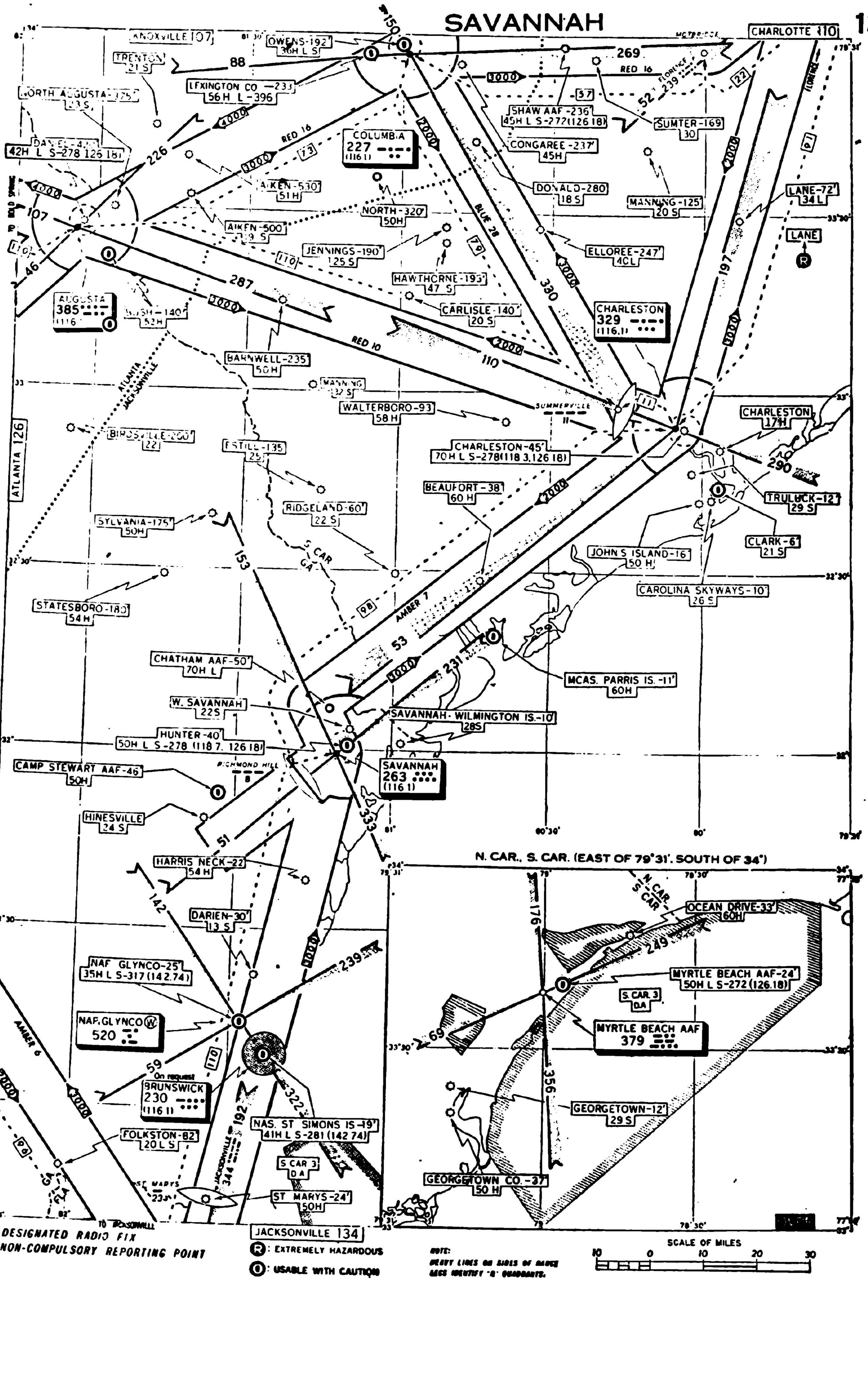
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ALBANY	4 SW, RR N	196	49h R1 L5 S6	80, 91 oct.
* Alma Int,43,MM-AG	2.5 W,hwy N	200	43 R1 L3	
Babcock(Bainbridge)	3.5 ENE Boykin	145	30h	
Bainbridge	7 NNW,RR NE	141	50h S6	80, 91 oct.
(A) Bemiss #3 (Valdosta)(A)	12 NE,hwy SE	198	50	TMP INACT NO FACS(See Spl Not.)
Bowers (Bainbridge)	4.5 S,rd W	120	26	Trees sur fld. Closed. High weeds.
Camilla	0.7 NW		22 S1	80 oct. Data not verified.
Civil Air Patrol (Waycross)	2.6 WSW,RR SE	140	21 S1	80 oct. Obsts surround fld.
Commodore Decatur	2 W,riv S	119	40h S1	80 oct. (Bainbridge)
Cook County (Adel)	1.3 W,hwy NE	220	40h L3 S6	80, 91 oct.
Donalsonville(Bainbridge)	1 S Donalsonv'l	150	40h	
Faceville(Bainbridge)	3.5 S Faceville	285	30h	
Homerville Flgt Strip	2.5 NW,hwy NE	185	40h	
(A) Lake Park #2(Valdosta)	12.5 SSE,hwy N	220	45	TMP INACT NO FACS(See Spl Not.)(A)
(A) Moody (Valdosta)(A)	11.5 NNE,RR W	233	50h	TMP INACT NO FACS(See Spl Not.)
Moultrie	7 S,hwy NW	287	40h	
Nashville	1.3 ENE,RR S	236	16 S6	80 oct.
Northside (Moultrie)	3.2 NNW,RR W	300	30 S4	80 oct. No sto.
Reynoldsville (Bainbridge)	1.7 SSW Reynoldsville	110	30h	
(A) Rocky Ford #1 (A)	16 SW,hwy N	220	50h	CLOSED (Valdosta)
South Georgia College	1.3 S,RR W	225	60	(Douglas)
Spence (Moultrie)	5 SE,hwy W	292	50h S2	80,91 oct
(A) Thomasville AAF(A)	8.5 ENE,hwy S	264	50h	CLOSED
Thomasville, com.	1 SW,RR N	250	42 S4	80 oct.Trees sur fld.
Tifton Mun.	2.3 SE,hwy W	343	50h L5 S4	80,91 oct. Lgts prior req.
(A) Turner (Albany) (A)	3.8 ENE,riv N	215	76h	TMP INACT NO FACS(See Spl Not.)
Vada (Bainbridge)	3 NE of Vada	140	30h	
Valdosta	2.5 S,hwy E	215	56h S1	80 oct.
(A) Waycross AAF (A)	4 NW,hwy E	141	50h	CLOSED

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII)(NC)-Not charted. → NEW OR REVISED DATA


ATLANTA 126
TO MAXWELL
ATLANTA JACKSONVILLE
NAPIER-397 45H
DOTHAN-330 40 H L S
ENTERPRISE-355 22
OZARK AAF-305 46H
SO. AIRMOTIVE 27 S
MALONE NO. 2-154 50 H
DONALSONVILLE-150 40H
BABCOCK-145 30H
ALBANY-196 49H L S
TURNER AAF 76H
SPENCE-292 50H S
CAMILLA
VADA-140 30H
NORTHSIDE-300 30 S
TIFTON MUN -343 50 H S
SO GEORGIA COL-255 60
NASHVILLE-236 16 S
COOK CO.-220 40H S
ALMA 242 (116.1)
ALMA-200 43 L
WAYCROSS-141 50H
C A P-140 21 S
BAINBRIDGE-141 50 H S
MOULTRIE 40H
MOODY-233 50 H
HOMERVILLE-185 40 H
DOTHAN 233 (116.1)
BASCOM-120 50H
COMDR DECATUR-119 40 H S
THOMASVILLE-264 50H
THOMASVILLE COM 42 S
BEMISS NO 3-198 50
BOWERS-120 26
REYNOLDSVILLE-110 30H
FACEVILLE-285 30H
VALDOSTA-215 56 H S
CRESTVIEW 350
264
RED 30
CHIPLEY-100 24 S
ELLIS-116 50H
LAKE JACKSON-250 30 S
ROCKY FORD NO 1-220 50 H
LAKE PARK NO 2-220 45
MARIANNA-112 50H S
265
89
JACKSONVILLE 344
PANAMA CITY-5 19 S
QUINCY-212 35 S
RED 30
JASPER-148 36 L
LIVE OAK-109 26 S
LAKE BUTLER OLF-131 H
WITT
LAKE CITY 60H
ALLIANCE NO 4-215 50H
TALLAHASSEE 335 (116.1)
DALE MABRY-70 52H L S-281 (118.3 126.18)
TYNDALL-16 61H L S-272 (126.18)
APALACHICOLA AAF-19 53 H
PERRY-45 50H S
CROSS CITY 269 (116.1)
JOHN H ALISON 50H S
STENGEL-70 38 S
TYNDALL 203
CARRABELLE-20 40H
CROSS CITY-42 50H L
MONTBROOK-70 70H
TIDEWATER
JACKSONVILLE 134
SAVANNAH 131
MOBILE 127
MACON
ALBANY
AMBER 6
BLUE 3
OVER
ATLANTA 126
ALA
GA
FLA
ERISTON
SCALE OF MILES
10 0 10 20 30
● DESIGNATED RADIO FIX NON-COMPULSORY REPORTING POINT
NOTE: HEAVY LINES OR SIDES OF RANGE LEGS IDENTIFY 'R' QUADRANTS
R: EXTREMELY HAZARDOUS
I: USABLE WITH CAUTION

SAVANNAH



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

Ⓡ: EXTREMELY HAZARDOUS

Ⓞ: USABLE WITH CAUTION

NOTE:
HEAVY LINES ON SIDES OF AIRWAYS INDICATE "B" BOUNDARIES.

SCALE OF MILES

10 0 10 20 30

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
AUGUSTA (Daniel)	385 (VD)(116.1)	SBRAZ-VDT,46°,2.1	(3), 116.1
BRUNSWICK	230 (BS)(116.1)	MHVT	(4), 116.1
GLYNCO (Navy)	520 (NEA)	MRLWZ	
Glynco NAF-LTA	317 (142.74)	CN,239°, 0.3	3105,4495; 142.74 (8-17)
HUNTER FIELD (Savannah)	278 (126.18) (118.7)	AC	(4); 131.9,126.18, 118.7
RICHMOND HILL FM	(- - -)	FM, 231°, 8	Savannah
ST. MARYS FM	(-)	FM, 12°, 23	Jacksonville, Fla.
ST. SIMONS ISLAND NAS	281 (142.74) (140.58)	CN	(3);142.74,140.58 (630-24)
SAVANNAH (Hunter)	263 (SH)(116.1)	SBMRLZ-VDT,51°,2.2	(3); 116.1
DANIEL(AUGUSTA)	278(126.18)	C	(4);126.18
SOUTH CAROLINA			
CHARLESTON	329 (CS)(116.1)	SBRAZ-VDT	(3), 116.1
Charleston Airport	278 (126.18) (118.3)	AC(ILS):110°,1.9	(4), 131.9,126.18,118.3
COLUMBIA (Owens Field)	227 (CI)(116.1)	SBRAZ-VDT,330°,1.8	(4), 116.1
LANE (Intermediate)			DECOMMISSIONED
LEXINGTON CO.ARPT(Columbia)	396	C	(4)(8-22)(See Notice to Airmen)
MYRTLE BEACH (Army)	379(DMB)	DME-A	
Myrtle Beach AAF	272(126.18)	CA,65°,3.4	(3);126.18
SHAW FIELD (Sumter)	272(126.18)	CA	(3);126.18 (7-21)
SUMMERVILLE FM	(- - - -)	FM,290°,10.7	Charleston

INSTRUMENT LANDING SYSTEMS *(Localizer and G.P. in mcs, Compass Locators in kcs)*

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM-	MM-	OM-
Charleston, S.C.	110.3	335	150° Mag.		MMK-	OMK-

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — GEORGIA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Birdsville (Millen)	9.4 WNW;riv S	200	22	
Bush (Augusta)	7.5 SSE;RR W	140	52h	
(A) Camp Stewart (Hinesville) (A)	3 NE;hwy SW	46	50h	TMP INACT NO FACS(See Spl Not.)
(A) Chatham AAF (Savannah) (A)	7.5 NW;RR E	50	70h L5	TMP INACT NO FACS(See Spl Not.)
DANIEL (Augusta)	2.5 W;RR S	420	42h R2 L5 S4	80, 91 oct. No sto. Use rnwys only
Darien	0.8 SE;riv S	30	13 S1	Ltd 80 oct. Trees W.
★ Folkston Int,37,MM-AG	0.7 WNW;hwy E	82	20 L3 S1	80 oct. on req.
(N) Glynco NAF (LTA)(N)	6.4 N;hwy SE	25	35h R2 L5 S4	91, 100 oct.
(A) Harris Neck AAF (A)	7 E of So.Newport	22	54h	CLOSED
Hinesville	3 S; hwy W	55	24 S4	73 oct. No sto. Rdo repairs.
HUNTER (Savannah)	3.5 SW;RR yd NW	40	50h R2 L5 S6	80, 91 oct.
St. Marys	1.7 NNW;hwy S	24	50h	
(N) St. SIMONS ISLAND NAS (N)	6 E Brunswick	19	41h R2 L5 S4	100 oct No sto. Lgts on req Trees NE,W
Savannah-Wilmington (Savannah)	8 ESE; hwy N	10	28 S6	73 oct. Trees NE,SW.
(A) Statesboro AAF (A)	3.8 NE;hwy W	180	54h	CLOSED
Sylvania	7.5 SSE;hwy E	175	50h	
West Savannah(Savannah)	3 W; RR W,N	42	22 S6	80 oct. Pole line NW.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (see page xiii) (NC)-Not charted. ➔ NEW OR REVISED DATA

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
SOUTH CAROLINA				
Aiken (old)	2 E; RR NNE	500	19 S4	80 oct. Trees SSW.
Aiken (new)	6 NNE; RR SW	530	51h	
Barnwell	1 WNW;hwy E	235	50h	
(P) Beaufort	4 NW	38	60h	
Carlisle (Bamberg)	4 ESE;riv NE	140	20 S4	80 oct. No sto.
Carolina Skyways (Charleston)	6 SSW;riv W	10	26 S4	80 oct.
(A) CHARLESTON (mun.)	9.8 NW;RR NE	45	70h R3 L6 S4	100 oct. Use rnwys only. ARMY TMP
(N) Charleston (N)	4 N; riv E	13	17h	INACTIVE. INACT;CIVIL FACS
Clark (Charleston)	4 S;riv SW	6	21 S1	80 oct. Trees surround fld.
Congaree (Columbia)	15.5 ESE;RR S	237	45h	
Donald (St.Matthews)	2.5 NNE; RR S	280	18 S1	Ltd 80 oct. Trees SE.
★ Elloree Int,25,AG-CS	5.5 SE;RR N	247	40 L3	Steel mast NE.
Estill	2.5 SSW;RR E	135	25	
Georgetown	1 NW;riv E	12	29 S6	80,91 oct.
(P) Georgetown County	4 S;bay E	37	50h	
Hawthorne(Orangeburg)	5 S; RR E	195	47 S6	80, 91 oct. Tank N.
Jennings (Orangeburg)	2.3 S; RR E	190	25 S2	80, 91 oct. Pole line ENE.
John's Island (Charleston)	7 SSW; rd W	16	50h	
★ Lane Int,24,JX-RW	3 S;RR W	72	34 L3	
Manning (Allendale)	1.5 ENE;hwy N	180	32 S1	80 oct.
Manning	1.5 SE;RR NNE	125	20 S1	Ltd 80 oct.
(A) Myrtle Beach AAF(A)	3 WSW;hwy SE	24	50h R2 L5 S6	73,91,100 oct. No sto.
(A) North (A)	1.5 SE; hwy N	320	50h	TMP INACT NO FACS(See Spl Not.)
North Augusta	2 E;hwy S	375	23 S4	80 oct.
Ocean Drive (Wampee)	3.5 SE;hwy SE	33	60h	
OWENS (Columbia)	2.5 SE;RR SW	192	36h R1 L4 S6	80 oct. Tank WSW, twr SSE.
(N) Parris Island MCAS	1.5 S	11	60h	INACTIVE (N)
Ridgeland	1.3 WNW;hwy E	60	22 S1	73, 80 oct.
(A) Shaw (Sumter)(A)	7 WNW;RR W	236	45h R1 L5 S6	73, 91, 100 oct. JP-1
Sumter	1.5 NW; RR S	169	30	
Trenton	1.2 E;RR ESE	480	21 S1	80 oct.
Truluck (Charleston)	5.5 W;RRs N	12	29 S6	80 oct. Poles surround fld.
(P) Walterboro	1.3 NE;hwy SE	93	58h	
(A)Lexington Co.(Columbia)	7 SW; RR SE	233	56h R1 L5	

RADIO — FLORIDA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BANANA RIVER (Navy)	524(NPB)	MRLZ	(3)
Banana River NAS	224 (142.74)	CN, 106°, 4.8	(3), 142.74
BAYARD FM	(- - -)	FM, 158°, 19	Jacksonville
BRYCEVILLE FM	(- - - -)	FM, 269°, 20.2	Jacksonville
CECIL NAAS (Jacksonville)	201 (142.74)	CN	3105;142.74 (flying hours)
DAYTONA BEACH	236(DB)(116.1)	BMLZ-DTV,101°,2.1	(4); 116.1
DREW FIELD (Tampa)	317(126.18,118.5)	AC	(4);126.18,118.5,131.9
FT. GEORGE ISLAND FM	(- -)	FM, 89°, 10.25	Jacksonville
JACKSONVILLE	344(JX)(116.1)	SBRAZ-DTV	(3); 116.1
Jacksonville Arpt. No. 1	278(126.18,118.5)	AC,269°, 1.7	(4); 131.9,126.18,118.5
Jacksonville NAS	365 (NIP)	MRLZ	
Jacksonville NAS	323(126.18, 142.74)	CN; 89°, 3.1	(3); 126.18,142.74
Jacksonville NAS (Seaplane)	3295	CN	3105
MacDILL (Tampa) (Army)	1742 (TM)	H	
MacDill Field	227 (126.18)+	CA	(3), 126.18
MAYPORT CGAS (NC)	142.74	CN	3105;140.58,142.74 (req only)
MELBOURNE	257(OU)(116.1)	SBRAZ-DTV,158°,2.2	(4); 116.1
NORTH TAMPA FM	(- - - -)	FM, 355°, 10.1	Tampa
ORLANDO	206(OR)(116.1)	BMRLZ-DTV	(3); 116.1
Orlando Airport	+278(126.18,118.7)	C; 220°, 3.4	(4); 118.7,131.9,126.18
PINELLAS (St. Petersburg)	272 (118.3)	CI	(4); 131.9 (8-24)
→ TAMPA (Peter O. Knight Arpt)	388(TM)(116.1)	SBRAZ-DTV,55°,2.6	(3); 116.1
VERO BEACH NAS	242(VB)(116.1)	MHTV	(4); 116.1

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs., Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
				IM–	MM–	OM–
				MMK–		OMK–

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs, (4)-3105, 4495, 6210, 3117.5 kcs. Parenthetical Numbers in Frequency Column Indicate VHF Voice. +—Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — FLORIDA

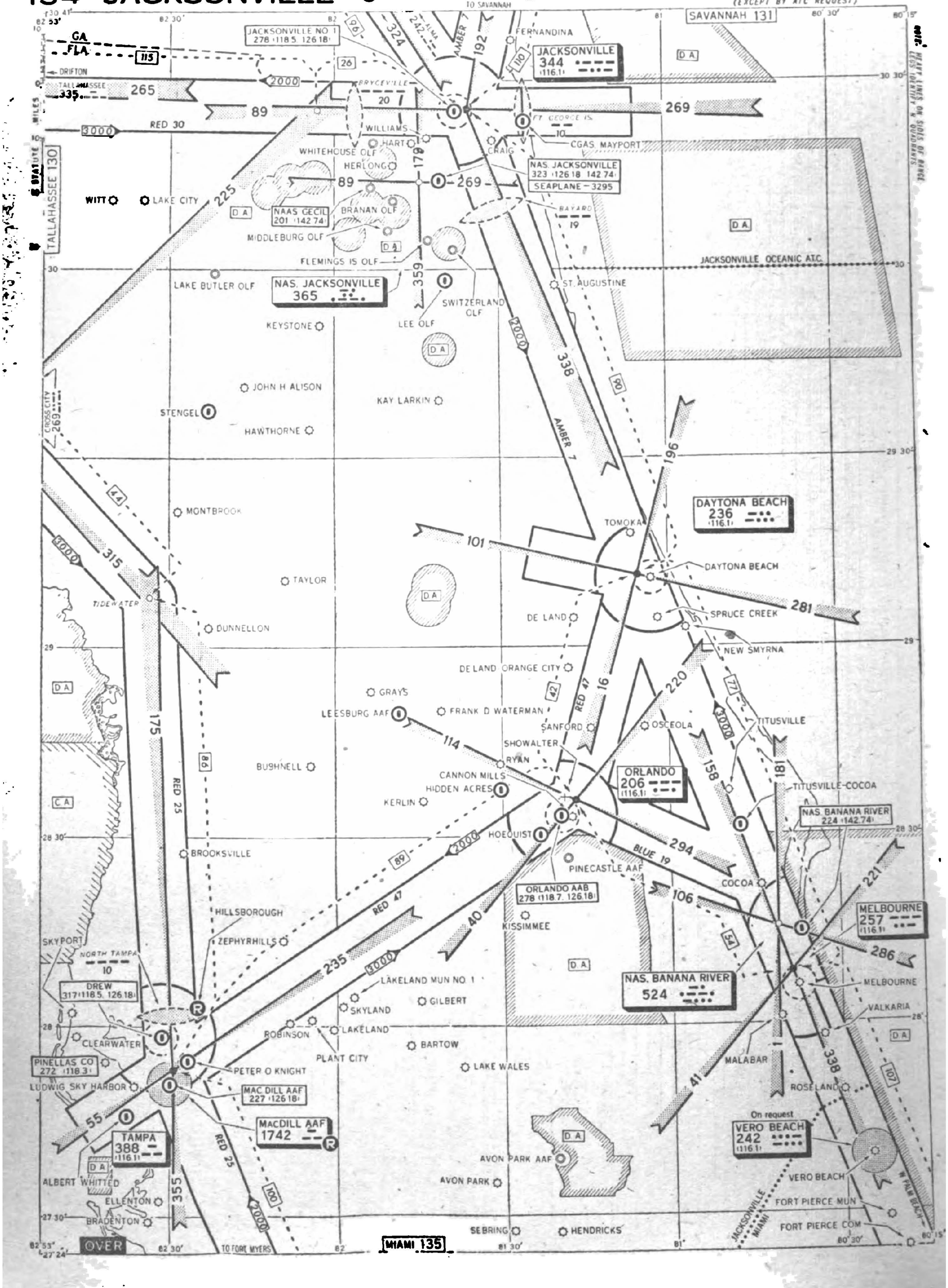
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
(P) Albert Whitted (St. Petersburg)	2.5 E;bay E	6	33h L3 S6	80,91,100 oct.Coast Gd.Stn adj. Poles,stack NW,SW.
Altoona (NC)	0.6 NW,RR E	155	25	Trees ends strips.
Avon Park	1.5 W,RR E	127	40h S1	80 oct. Trees SE.
(A) Avon Park AAF (A)	11 ENE,lake NW	65	54h	TMP INACT NO FACS(See Spl Not.)
(N) Banana River NAS (N)	11 SE Cocoa	9	40h R2 L5 S6	91 oct.No bcn.Lgts on req.
Barberville (NC)	1 SE,bet RR & rd	25	25	Pole line E. UNUSABLE.
Bartow	5.5 NE,RR NW	128	50h L5 S2	80,91 oct.
Bostwick (NC)	1 NW,RR E	53	34	
Bradenton	0.5 S,RR NE	20	24 S1	80 oct. Trees W. Poles SW.
(N) Branan OLF (Jacksonville)	14.5 SW	73	40h L	B-2 lgts.
Brooksville	7.5 SW,hwy E	70	70h	
Bushnell	2.8 NE,hwy S	82	60h	N/S rnwy unusable.
Cannon Mills (Orlando)	3.8 E,hwy N	105	41 S6	80 oct. No sto. Poles sur fld.
(N) Cecil NAAS (Jacksonville) (N)	16 WSW,hwy NW	80	50h R2 L5 S4	87,91 oct.Trees sur fld.
Cedar Keys (NC)	1 W;bay S	6	24h	
Cocoa	1 N,RR E	20	26 L1	Pole line E, trees S, W.
Craig (Jacksonville)	9 E;riv N	41	40h L5 S6	80,91 oct. No sto.
Daytona Beach	2.8 SW;hwy S	34	41h R1 L5 S6	80, 91 oct.
Deland	2.5 NNE,hwy S	80	60h L5 S1	87,91 oct.
Deland-Orange City (Orange Cy)	1 SW,riv W	90	26 S1	80 oct. Pole line E.
Drew (Tampa)	5 W,bay SW	26	70h R1 L5 S6	80,91 oct. Rdo rec rqrd.
Dunnellon	4.5 E,hwy S	66	50h	
Ellenton	1.5 NNW,RR N	18	15	P-line NE, trees SW.
(P) Fernandina	4 S;ocean E	16	50h	
(N) Flemings Island OLF (Jacksonv'l)	17.5 SSW	23	40h L	B-2 lgts. (N)
Fort Pierce, com.	3.3 SSE,RR E	18	26 L1 S6	80 oct. Pole line W.
(P) Fort Pierce, mun.	3.5 NW;hwy E	24	50h	
Frank D. Waterman (Eustis)	0.9 SSW;lk NNW	81	23 S1	80 oct. Poles SW,N,W.
Gilbert (Winter Haven)	3.5 NNW;lk W,E	135	40h S6	80,91 oct.
Gray's (Leesburg)	5 N;RR,hwy W	130	27 S6	80 oct. Orange groves W.
Haines City (NC)	1 NW	175	20 L1	
Hart (Jacksonville)	6.5 W,RR N	20	40 S6	80,91 oct. Trees sur fld.
Hawthorne	1.2 SSE,RR W	120	24 S1	Ltd 80 oct. Trees S,W,NE.
Hendricks (Sebring)	6.5 ESE,RR N	62	50h	
Herlong (Jacksonville)	10.5 WSW	87	40h	
Hidden Acres (Clarcona)	1.5 WNW,lake W	93	25 S6	80 oct. Trees E.
(A) Hillsborough AAF(Tampa)(A)	7 NNE	67	50h	CLOSED
Hoequist (Orlando)	3.8 SW,bet lakes	90	20 S4	80 oct. No sto. Trees E.
(N) Jacksonville NAS (N)	7.2 S,riv E,N	20	60h R1 L5 S6	91,100 oct.
(A) Jacksonville No. 1	6.3 N,RR W	52	70h R2 L5 S4	80,91 oct; 100 oct.JP-1 for Army.
John H. Alison (Gainesville)	4.5 NE,RR W	155	50h L5 S2	80 oct. Lgts prior req.
(P) Kay Larkin (Palatka)	3 WNW,RR N	56	50h L5 S1	91 oct.
Kerlin (Minneola)	0.5 NE	100	18 S2	80 oct.
(A) Keystone AAF(Keystone Hgts)(A)	4.5 NNW,RR W	192	50h	CLOSED
(A) Kissimmee AAF (A)	2 W;RR N	65	50h	CLOSED
(N) Lake Butler OLF (N)	2 SSW;RR NW	131	60h L	
Lake City	3.7 ESE,RR S	201	60h	
(A) Lakeland AAF (A)	4.5 SW,RR NE	142	50h	CLOSED
LAKELAND MUN. NO. 1	2.1 N;lake E	159	35h L5 S6	80,91 oct.Ctc lgts on req till 2400.
Lake Wales	2.3 WSW,RR N	225	40h L3 S6	80,91 oct.
(N) Lee OLF (Green Cove Springs)	2.2 SE,riv N	22	51h	INACTIVE. (N)
(A) Leesburg AAF (A)	4 ENE,RR SE	67	50h L3	CLOSED
Ludwig Sky Harbor (St.Petersb.)	6 NE;bay E	14	33 L1 S6	80 oct.
(A) MacDill (Tampa)(A)	8 SSW,bay NE	9	100h R2 L5 S6	73-100 oct. JP-1.No sto.
Malabar	7 WNW	27	40h	
(CG) Mayport CGAS (CG)	0.6 NNE,riv N	19	43h R1	INACTIVE.
Melbourne	2.2 NW;RR E	26	43h R1	
(N) Middleburg OLF (N)	3 NNE;rds E,SE	34	32	
Montbrook (Williston)	3.2 SSW;hwy E	70	70h	
New Smyrna	3 NNW;RR W	12	50h	
(A) Orlando AAB (Airport)	2.5 E;lake SE	115	55h R2 L5 S6	91 oct;100 oct.for military.No sto.
Osceola (Sanford)	10 SSE,lake SE	25	40h	
PETER O. KNIGHT (Tampa)	3.7 S,bay S,E,W	8	40h R1 L5 S6	80,91 oct. Shipyard NE.
→ Pinecastle (AAF)	3 ESE;lake NW	95	100h	CLOSED
PINELLAS CO. MASTER (St. Petersburg)	9.5 N;bay N	12	50h R1 L5 S6	80,91 oct.No sto.
Piper-Fuller (St.Petersburg)	4.8 WNW,RR E	21	32	(NC)
Plant City	3 E;hwy N	172	53	
Robinson (Plant City)	1.5 WSW,RR E	110	18 S1	80,91 oct.Pole line ESE.
Roseland (Sebastian)	1.7 W;riv N,E	23	40h	
Ryan (Apopka)	1 N;lake NW	104	28 S6	80 oct.
St.Augustine	4 NNW;hwy W	10	42h S1	80,91 oct.
Sanford	2.5 SE,lk N,S	57	60h S6	80, 91 oct.
Sawyer (Palatka) (NC)	2.6 S,RR SE	60	25	Trees N,E,S.
Sebring	4 SW;lake NE	200	20 S1	80 oct. Pwr line SW.
Showalter Arpk. (Winter Park)	2 E;RR S		25 S4	80 oct. No sto. Data unver.
Skyland (Lakeland)	1.9 WNW;RR S	170	23 S6	80 oct.No sto.Trees S.
Skyport (Dunedin)	1.5 N;RR E	4	26 S6	80 oct.No sto.P-line NE.
Spruce Creek (Deland)	16 ENE	25	40h	3.5 mi. N of Samsula.
Stengel (Gainesville)	4 WSW,RR SE	70	38 S6	80 oct. Trees sur fld.
(N) Switzerland OLF (N)	1.5 SE	31	40h	
(P) Taylor (Ocala)	1 SW,RR NE	72	40h L3 S6	80,91 oct.Lgts and ngt repairs
(P) Titusville-Cocoa (Titusville)	6 S;riv E	35	50h S6	80 oct. No sto. prior req.
* Titusville Int,20,MM-AG	1.3 NW,RR E	28	28 L3	
Tomoka (Daytona Beach)	7.8 NW	29	40h	
Valkaria (Melbourne)	8 SSE;RR E	26	40h	
VERO BEACH	1 NW;RR E	24	65h R1	
Wauchula (NC)	2.1 E;riv W	120	21	Trees N,E,NE.
(N) Whitehouse OLF (Jacksonville)	13 W;RR S	102	40h L	B-2 lgts. (N)
Williams (Jacksonville)	3.3 WNW;RR E	25	31 S6	80 oct.No sto.P-line E.Data unver.
Wimauma (NC)	0.8 ESE;RR W	35	36	Cattle on fld. Bldg W.
Witt (Lake City)	2 WSW;hwy S	200	36 S4	80 oct. No sto.
(A) Zephyrhills AAF (A)	1.5 ESE;RR W	92	50h	CLOSED
Clearwater	2.5 NE;hwy S	73	30 S6	80 oct. No sto.Trees W.

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA

134 JACKSONVILLE

Ⓡ EXTREMELY HAZARDOUS Ⓞ USABLE WITH CAUTION

COMPULSORY REPORTING POINT ●
NON-COMPULSORY REPORTING POINT ○
(EXCEPT BY ATC REQUEST)



MIAMI 135

● COMPULSORY REPORTING POINT
○ NON-COMPULSORY REPORTING POINT
(EXCEPT BY ATC REQUEST)

R EXTREMELY HAZARDOUS

O : USABLE WITH CAUTION

HEAVY LINES ON SIDES OF AREA
REF. LEG ARRANGED 6 QUADRANTS.

JACKSONVILLE 134

SARASOTA-BRADENTON
SARASOTA COM.
VENICE MUN
VENICE
CARLSTROM
PUNTA GORDA
CONNERS
WITHAM
CLEWISTON
RIDDLE R
BELLE GLADE
PAGE
BUCKINGHAM
FORT MYERS 341 (116.1)
IMMOKALEE
IMMOKALEE
NAPLES
WEST PALM BEACH 209 (116.1)
MORRISON AAF 278 KC 118.9, 126.18 MC
LAKE WORTH
PALM BEACH CO. PARK
BOCA RATON AAF 396 KC 126.18 MC
NO. POMPANO OLF
W. PROSPECT
FT. LAUDERDALE 24
FORMAN OLF
NAS. FORT LAUDERDALE
BELVEDERE
TAMIAMI
MIAMI 365 (116.1)
MIAMI BAY SHORE 6
HOMESTEAD MUN
SO. DADE CO.
STATUTE MILES
AMBER 7
TO WEST PALM BEACH
NO PERRY OLF
MACARTHUR
NAS. MIAMI
MASTER OLF 382 KC 142.74 MC
MIAMI OLF
TO FORT MYERS RED 25
SUNNY SOUTH
MIAMI AVIATION CENTER
MIAMI INTERNATIONAL-AAF 278 KC 118.5, 126.18 MC
BROWN
CHAPMAN
NAS. RICHMOND
TO KEY WEST
SCALE OF MILES
STOCK ISLAND
MARATHON
KEY WEST 332 (116.1)
NAS. KEY WEST 396 KC 142.74 MC
MEACHAM

MIAMI AREA

OVER

RADIO AIDS — FLORIDA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BOCA RATON AAF	396 (126.18)	CA	(3), 126.18 (6-24)
FORT LAUDERDALE FM	(-)	FM, 4°, 24.4	Miami
FORT MYERS (Page)	341 (FM)(116.1)	SBRAZ-VDT,38°,3.6	(4), 116.1
KEY WEST	332 (KW)(116.1)	SBRAZ-VDT	(4), 116.1
Key West NAS	396 (142.74)	CN, 70°, 5.8	(3);142.74 (sunrise to sunset)
Key West NAS (Seaplane) (NC)	272 (142.74)	CN	3105,142.74 (prior req.)
MASTER OLF (Miami)	382(142.74)	CN	(3); 142.74 (7-sunset)
MIAMI BAY SHORE FM	(- -)	FM, 90°, 6	Miami
MIAMI	365(MM)(116.1)	SBRAZ-VDT	(3),116.1
Miami International Arpt.	278 (126.18) (118.5)	AC, 270°, 2.3	(4); 131.9, 126.18, 118.5
MORRISON FIELD (West Palm Beach)	278 (126.18) (118.9) +	C	(4); 118.9, 131.9,126.18
STOCK ISLAND LFM	(-)	LFM, 70°, 4	Key West
WEST PALM BEACH (Morrison Field)	209 (DWZ) (116.1)	BMRAZ-VDT,89°,2.4	(3), 116.1

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice + - Army A.C.S. transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS — FLORIDA

AIRPORT — CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Arcadia	2 SE,hwy W	60	30	Trees around fld.
Belle Glade	1 NNE,lake W	17	27 S6	73 oct. No sto. Light acft.
(A) Boca Raton AAF (A)	2 NNW,canal E	13	64h R1 L5 S6	73, 91, 100 oct. Twr SE.
Brown (Miami)	10 SSW,RR NW	10	20 S6	80, 91 oct. No sto. Trees E.
Buckingham (Ft.Myers)	10 E,riv SW	25	54h	
Carlstrom (Arcadia)	7 SSE,hwy N	56	53	
Chapman (Miami)	10 SW,RR W	3	40 S6	80,91 oct. No sto. Pwr line W.
Clewiston	1.6 SW,RR N	19	30 S6	80 oct. Pole line N, E, S, W.
Conners (Okeechobee)	2.5 NW, RR S	34	50h	
Dorr (Arcadia)	11.5 E,hwy N	74	53	
(N) Forman OLF (Ft. Lauderdale) (N)	6.5 WSW	7	32h	INACTIVE.
(N) Fort Lauderdale NAS (N)	3.5 SSW,RRW	10	50h S1	100 oct.Fld avail wkdays prior req
		8		
Homestead, mun.	2 NE, rd N	8	28 S6	80 oct.
Immokalee Airfield	1.3 ENE,RR W	20	50h	
★ Immokalee Int, 13, TM-MM	5.25 SE,RR SW	23	38 L2	
(N) Key West NAS (N)	7 ENE	5	70h R2 L5 S4	91, 100 oct. No sto.
Lake Worth	2 W,hwy N	12	28 S1	80 oct.
MacArthur (Hollywood)	1 SW,RR E	12	28h S4	80, 91 oct. No sto. Trees SE.
Marathon	1.8 ENE,hwy S	6	100h	
(N) Master OLF (Miami)(N)	8 NNW,RR W	9	74h R1 L5	Pwr line SE.
MEACHAM (Key West)	2.3 E,ocean S	4	40h S1	80,91 oct. ARPT OF ENTRY.
Miami Aviation Center (Miami)	7.5 NNE,bay E	8	25h S6	80, 91.oct. No sto.
(A) MIAMI INTERNATIONAL - AAF	5.5 NW,RR S	9	74h R2 L5 S6	91, 100 oct. JP-1. FEE. 2-way radio on req. AIRPORT OF ENTRY.
(N) Miami NAS (N)	10.7 NW,canal N	9	60h L5 S6	91, 100 oct. No sto.
(N) Miami OLF (N)	7.9 NNW,RR E	91	36h	
(A) MORRISON (West Palm Beach) (A)	2 W,canal S	15	70h R2 L5 S5	73-100 oct. FOREIGN CLEARING STATION.
Naples	2 NE,RRs E,W	8	50h	
(N) North Perry OLF (Hollywood) (N)	6.3 W	9	32h	CLOSED
(N) North Pompano OLF (N)	1.5 NE,RR W	21	40h	(Pompano)
PAGE (Ft. Myers)	4 S,RR SE	18	51h R1 L5 S6	80, 91 oct. Ground traffic
Palm Beach County Park (Lantana)	2 WNW,lake N,E	16	35h L5 S6	91 oct. Fld lgts on prior req after 2300.
(P) Punta Gorda	5 ESE,hwy SW	22	50h	
Punta Gorda, mun.(NC)	3 SSE,hwy E	4	24	
(N) Richmond NAS (LTA)	15 SW Miami	13	20h	INACTIVE. (N)
(P) Riddle (Clewiston)	7.6 W,hwy N	19	30h	Use rnwys only.
SARASOTA-BRADENTON (Sarasota)	3.5 NNW,hwy W	24	50h L5 S6	80, 91 oct.
Sarasota, com.	2.5 E,RR S	25	28 S1	80 oct.
➙ Sunny South (Miami)	6 N,hwy N	12	40 S6	80,91 oct.No sto.Rnwy data unver.
Tamiami (Miami)	12 W		35h S4	80, 91 oct. No sto. Data not verified.
(A) Venice AAF (A)	2 S,RR E	15	50h	Pole lines N, E. CLOSED
★ Venice, mun.	0.5 SE,RR E	20	36 S2	80 oct.
West Prospect (Oakland Park)	2.5 WNW	14	40h	Trees sur field.
(P) Witham (Stuart)	1.5 SE,RR SW	17	50h S1	
So.Dade Co.(Homestead)	5 E	8	60h L5 S6	87 91 oct. No sto.
Belvedere (West Palm Beach)	2 SW	17	25 S5	

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing. (See page XIII) (NC)-Not charted. ➙ NEW OR REVISED DATA

RADIO — CALIFORNIA

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
BURBANK (Lockheed Air Term.)	248(BU)(116.1)	SBML-DTV;93°, 3	(3); 116.1
BURBANK LFM	(- -)	LFM, 97°, 1.5	Burbank
CASTAIC FM	(- - - -)	FM, 322°, 41	Los Angeles.
CHATSWORTH	341 (L)	FMK; 277°, 10.6	Burbank
CHATSWORTH LFM	(. . - - - -)	LFM, 276°, 10.5	Burbank
DOWNEY FM	(-)	FM, 77°, 11	Los Angeles
DOWNEY	379 (V)	FMK; 77°, 11	Los Angeles
EL TORO MCAS	3295(142.74)	CN	3105,4495;126.18,142.74
GLENDALE	371 (S)	K; 97°, 7.3	Burbank
GRAND CENTRAL ARPT.(Glendale)	201	CI	(4); 131.9 (8-sunset)
HAWTHORNE NORTHROP	396 (126.18)	CA	(3); 126.18 (0730-2230)
HUNTINGTON BEACH FM	(- -)	FM, 118°, 11	Long Beach
LA HABRA FM	(. . -)	FM, 77°, 21	Los Angeles
→ LOCKHEED AIR TERM.(Burbank)	278(126.18,118.3)	AC	(4); 131.9,126.18,118.3,122.5
LONG BEACH	233(HB)(116.1)	SBMRLZ-DTV	(3); 116.1
→ Long Beach Airport	347(126.18,118.5)	AC; 298°, 3.9	(4); 131.9,118.5,126.18,122.5
LOS ALAMITOS NAAS	317 (142.74)	CN	3105; 142.74 (8-1730)
LOS ANGELES	260(LA)(116.1)	SBRAZ-DTXV	(3); 116.1
Los Angeles Airport	272(126.18,118.9)	C (ILS);244°, 3.8	(4); 126.18,118.9,131.9
LOS ANGELES	109.1 (LA)	VAR	
NEWHALL (Int.)	209(NH)(116.1)	SBMRL-DTV;317°,0.1	(4); 116.1
ONTARIO AIRPORT	219 (126.18)	CI	(4); 126.18, 116.1
→ SANTA ANA (Navy)	472(NTK)(116.1)	BMRLZ	3105;142.74
Santa Ana NAS	6970(142.74)	CN; 250°, 0.6	3105,3195;142.74 (Fly.hrs.& req)
SANTA MONICA AIRPORT	272 (126.18)	CI	(3); 126.18 (8-18)
TERMINAL ISLAND NAS (San Pedro)	338 (142.74)	CN	(3); 142.74 (flying hours)
VAN NUYS METROPOLITAN AIRPORT	219 (126.18)	CI	(4); 126.18 (8-1530 Mon-Fri. except holidays)

COLORADO

AURORA LFM	(- - -)	LFM; 155°, 9.5	Denver
DENVER (Stapleton Airfield)	379(DV)(111.1)	SBMRAZ-DTXV,155°, 2.4	(3); 131.7
DENVER (9 mi ENE Stapleton)	109.1(DV)(111.1)	VAR-DTV	(3); 131.7
HENDERSON FM	(-)	FM, 348°, 8.6	Denver
LOWRY FIELD (Denver)	396(126.18)	CA	(3); 126.18
SKY RANCH ARPT (Denver)	298	CI	(3) (sunrise to sunset)
→ STAPLETON AIRFLD (Denver)	278(126.18,118.7)	AC (ILS)	(4); 131.9,126.18,118.7
WATKINS FM	(- -)	FM, 59°, 14.8	Denver.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)			
Los Angeles, Calif.	109.9	333.8	247° Mag.	IM- (.05)	MM-	OM-	(2.45)
					MMK-	OMK-	
Stapleton, Colo.	110.3	335	206° Mag.	IM-	MM- ..... (.64)	OM- --	(4.2)
					MMK-	OMK-	
				IM-	MM-	OM-	
					MMK-	OMK-	

S Simul Range and Voice, W Without Voice, Z-VHF Range Station Location Marker, (3)-3105, 4495, 6210 kcs, (4) 3105, 4495, 6210, 3117.5 kcs
Parenthetical Numbers in Frequency Column Indicate VHF Voice. ✣ - Army A.C.S. transmits on and guards 116.1, 137.85, 140.58 mcs.

AIRPORTS — CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Bellflower	1.2 NE;riv E	80	21 S4	80 oct. No sto.
Brackett (Pomona)	3 NW;hwys S,E	1010	26 S6	80 oct. Fence W.
Cable-Claremont	1.8 ENE;RR E	1400	30h S4	80,91 oct.
→ Cal Aero (Ontario)	5 SSE;hwy W	625	47h	Restricted to W.A.A.
Compton	1.5 W;hwy E,W	90	33 S6	80 oct. Poles E, N. Hwy N.
Compton Central (Compton)	2 NW;RR W	100	33h L S6	80,91 oct.Rdo & instr rprs.Rnwy data unver.
Conejo Valley (Camarillo)	9.5 ESE;RR W	750	25 S6	80,91 oct.No sto.P-lines NE.
Corona	2.3 ESE;RR N	645	22 S6	80,91 oct.P-lines E,SE,W,NW.
Cranford (Artesia)	2.1 NE;RR W	55	27 S6	80 oct. Pole line S.
Culver City (Los Angeles)	9 WSW;RR S,W	25	29 S6	80 oct. Poles NE.

h-hard surfaced runways R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) NC-(not charted). → NEW OR REVISED DATA.

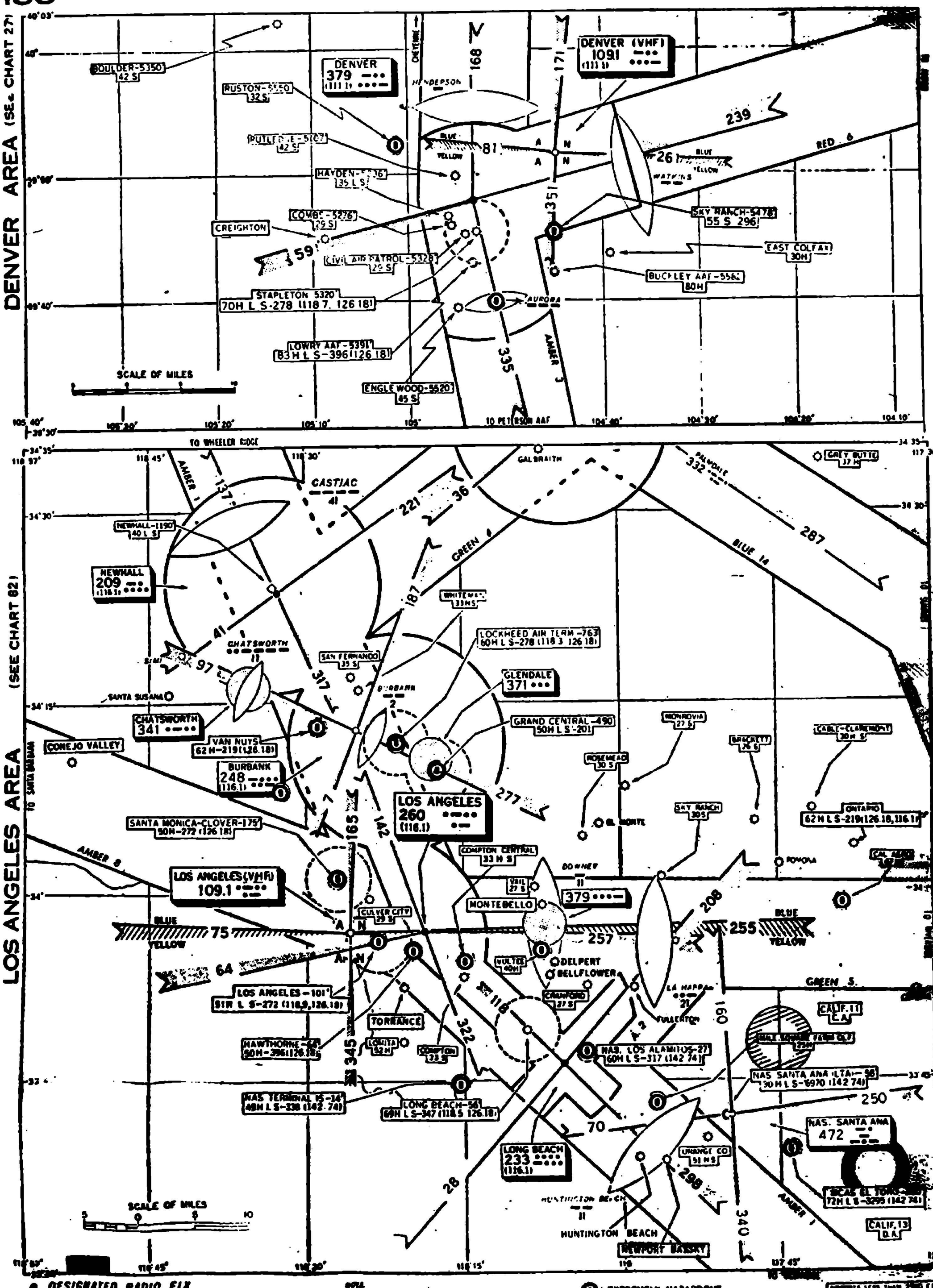
CALIFORNIA

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Delpert Airpark (Norwalk)	1.5 W;hwy N	90	21 S6	80 oct. No sto. Pole.
El Monte	1 NNE;rd E	300	21 S6	80 oct. Trees SW. Bldgs NE.
(N) El Toro MCAS (Santa Ana)(N)	9 SE,RR,hwy W	380	72h R1 L5 S4	80,100 oct.
Fullerton	3 W;RR N	95	18 L1 S6	80 oct. Port rnwy lgts.
Galbraith (Palmdale)	0.3 W;RR E	2660	21 S1	73, 80 oct.
Gardena Valley (Gardena)	2 NW;RR SE	50	23 S6	80 oct. Pole line E.
Grand Central (Glendale)	2.2 NW	490	50h R1 L5 S6	73,83,91,100 oct.Bet RR & river.
Grey Butte (Victorville)	22 W	3050	37h	Mtns S.
(N) Haster Farm OLF (Gardengrove) (N) (NC)	2 SW	65	14h	
Hawthorne	1.2 E;RR S	64	50h R1	Poles W. Closed to transients.
(N) Horse Farm OLF (Los Alamitos) (N) (NC)	2 E	54		
Hughes (Culver City) (NC)	3.6 SSW;RR N	15	91	Pole line NE. RESTRICTED.
Huntington Beach	1.8 SE;hwy NW	4	19 S1	80 oct.
LOCKHEED AIR TERM.(Burbank)	3.5 WNW;RR S	763	60h R2 L6 S6	73,80,91,100 oct.No sto.Two-way radio required.
Lomita Landing Strip	1 W;hwy S	95	52h	Mtns S.
(A) LONG BEACH	3 NE;RR W	56	69h R2 L6 S6	80,91,100 oct. JP-1. No sto.
(N) Los Alamitos NAS(Long Beach)	6 E; hwy N	27	60h R1 L5 S4	80,100 oct (N)
(A,N) Los Angeles (Mines Field) →	9.5 SW;RR E	101	51h R3 L6 S6	91,100 oct. Rdo rqrd.ARMY TEMP INACTIVE;CIVIL FACS.
(N) Mile Sq. Farm OLF (Santa Ana)	3.5 SE;riv E	44	25h L	Pwr lines S. (N)
Monrovia	0.5 SE;RR S	500	27 S6	80,91 oct.
Montebello	2 SSW;RR S	180	34 S6	80, 91 oct.
✦ Newhall Int,3A,LA-SF	2.2 NW;RR E	1190	40 R1 L3 S1	90 oct. for airlines.
Newport Bay Sky Harb.(Costa Mesa)	1.3 WNW;hwy E	100	26 S4	80,91 oct. No sto.
Norco	2.5 N;RR S	590	14 S1	80 oct.
Ontario	2.5 E;bet RRs	952	62h R1 L5 S4	80,91,100 oct.
Orange Co. (Santa Ana)	5 S;at fork rds	45	51h S6	80-100 oct.
(N) Palisades OLF (N)(NC)	2 E Costa Mesa	107	25	Bay N, W.
Pomona	1.8 SSE;riv S	775	20 S6	80 oct.
Rosemead (El Monte)	1 W;RR N	255	30 S6	80,91 oct. No sto.
San Fernando	1.2 E;hwy SW	1150	35 S6	80 oct, Poles SW,
(N) Santa Ana NAS (LTA)(N)	3.6 SE;RR NE	58	30h R2 L4 S4	91,100 oct. No sto. Rnwy data unver
(P) Santa Monica	2.6 ESE;rd E	175	50h R1 L5	No bcn. Lgts prior req.
Santa Susana	0.5 S;RR N	955	19 S6	73 oct.No sto.Pwrline W.
Sky Ranch (Puente)	1.3 E;RR S	402	30 S4	80 oct. No sto.
(N) Terminal Isl.NAS(San Pedro)	2 ENE	14	49h R1 L6 S1	91,100 oct. NAFC. (N)
Torrance Community (Los Angeles)	11.5 SSW;hwy W	82	21h S6	80 oct. No sto. Poles W; pwr line E.
Vail (Los Angeles)	6.5 E;RR SW	175	27 L S6	80,91 oct.Port rnwy lgts.Rdo rprs.
(A) Van Nuys Metropolitan (A)	2.8 NW;RR N	800	62h R1	TMP INACT.NO FACS.(See Special
Vultee (Downey)	1.5 SSE;hwy W	100	40h L1	60' trees WSW.RST'D. Notice)
Whiteman (San Fernando)	2 SE;RR N	1000	33h S6	80 oct.Pole line NNW,NE,SW.

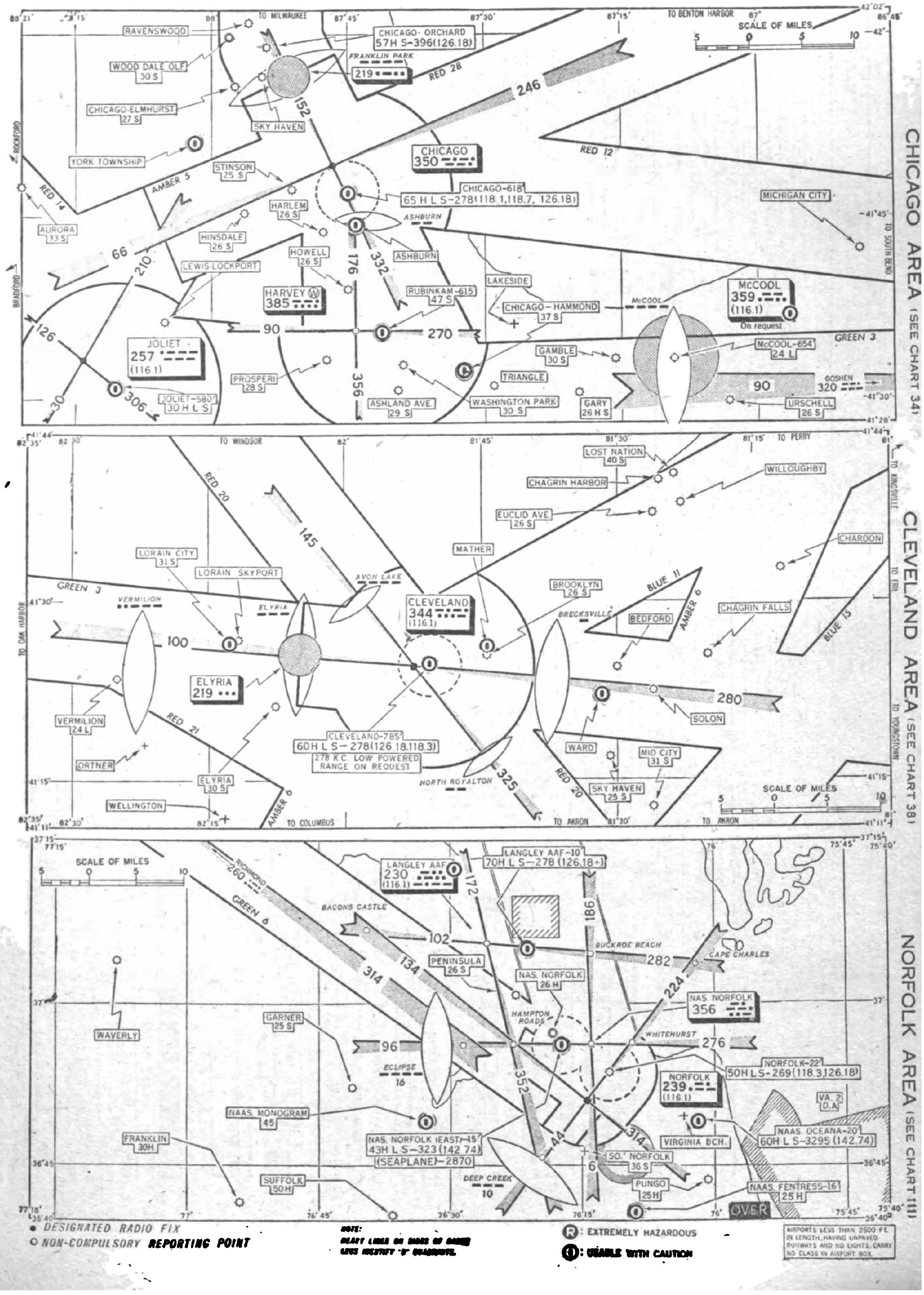
COLORADO

(P) Boulder	3 ENE;RR NW,S	5350	42 S5	80,91 oct. Bldg N.
(A) Buckley (Denver) (A)	12.5 ESE	5582	80h	TMP INACT.NO FACS.(See Special
Civil Air Patrol (Denver)	3.9 E	5328	29 L S6	80 oct. Flood lgts. Notice)
Combs (Denver)	3 NE;RR N	5276	29 S6	80,91 oct.Pole line N,S.
→ Creighton (Golden)	4 E;lake E	5600	30 S1	80 oct. NW blocked.
East Colfax (Watkins)	2.7 WSW;hwy N	5650	30 S4	73 oct. Poles N, NW.
Englewood	6.8 SSE;hwy S	5520	45 S6	80,91 oct. No sto.
(A) Lowry (Denver) (A)	5.3 ESE	5391	83h R1 L5 S6	91,100 oct. JP-1.
Ruston (Denver)	10 NNW;hwy W	5550	32 S1	80,91 oct. Pole line W,SW.
Rutledge (Dupont)	1 S;bet RR,hwy	5107	42 S6	80 oct.Pole lines sur fld.
Sky Ranch (Denver)	12.6 E;RR S	5478	55 R1 S6	73,80,91 oct.
STAPLETON (Denver)	5 ENE;RR N	5320	70h R3 L6 S6	80,91,100 oct.
Vest Acft Co. (Denver)	3.8 NE;hwy W	5236	35 L2 S6	80,91 oct.

DENVER AREA (SEE CHART 27)



LOS ANGELES AREA (SEE CHART 82)


CHICAGO AREA (SEE CHART 341)
CLEVELAND AREA (SEE CHART 381)
NORFOLK AREA (SEE CHART 111)
RAVENSWOOD
WOOD DALE OLF 30 S
CHICAGO-ELMHURST 27 S
YORK TOWNSHIP
AURORA 33 S
HINSDALE 26 S
LEWIS-LOCKPORT
HARVEY (W) 385
JOLIET 257 (116.1)
JOLIET-580 30 H L S
PROSPERI 28 S
HARLEM 26 S
HOWELL 26 S
SKY HAVEN
STINSON 25 S
AMBER 5
RED 14
ROCKFORD
BRADFORD
TO MILWAUKEE
CHICAGO-ORCHARD 57H S-396(126.18)
FRANKLIN PARK 219
RED 28
246
152
CHICAGO 350
CHICAGO-618 65 H L S-278(118.1,118.7, 126.18)
ASHBURN
ASHBURN
176
332
356
RUBINKAM-615 47 S
ASHLAND AVE. 29 S
LAKESIDE
CHICAGO-HAMMOND 37 S
McCOOL
TRIANGLE
WASHINGTON PARK 30 S
GAMBLE 30 S
GARY 26 H S
TO BENTON HARBOR
SCALE OF MILES
MICHIGAN CITY
TO SOUTH BEND
MCCOOL 359 (116.1) On request
McCOOL-654 24 L
GREEN 3
GOSHEN 320
URSCHELL 26 S
RED 12
TO WINDSOR
RED 20
145
LORAIN CITY 31 S
LORAIN SKYPORT
AVON LAKE
MATHER
CLEVELAND 344 (116.1)
ELYRIA
ELYRIA 219
VERMILION 24 L
VERMILION
ORTNER
WELLINGTON
ELYRIA 30 S
RED 21
AMBER 6
CLEVELAND-785 60H L S-278(126.18,118.3) 278 K.C. LOW POWERED RANGE ON REQUEST
NORTH ROYALTON
325
TO COLUMBUS
TO AKRON
LOST NATION 40 S
CHAGRIN HARBOR
EUCLID AVE 26 S
WILLOUGHBY
TO PERRY
TO KINGSVILLE
TO ERIE
CHARDON
BROOKLYN 26 S
BRECKSVILLE
BEDFORD
BLUE 11
AMBER 6
CHAGRIN FALLS
BLUE 15
280
SOLON
WARD
MID CITY 31 S
SKY HAVEN 25 S
RED 20
TO YOUNGSTOWN
SCALE OF MILES
LANGLEY AAF 230 (116.1)
LANGLEY AAF-10 70H L S-278 (126.18+)
RICHMOND 260
GREEN 6
BACONS CASTLE
102
172
186
PENINSULA 26 S
NAS. NORFOLK 26 H
BUCKROE BEACH
282
CAPE CHARLES
224
NAS. NORFOLK 356
HAMPTON ROADS
WHITEHURST
276
NORFOLK-22 50H L S-269(118.3,126.18)
NORFOLK 239 (116.1)
VA. 2 D.A.
NAAS. OCEANA-20 60H L S-3295 (142.74)
VIRGINIA BCH.
SO. NORFOLK 36 S
PUNGO 25H
NAAS. FENTRESS-16 25 H
OVER
GARNER 25 S
WAVERLY
NAAS. MONOGRAM 45
FRANKLIN 30H
SUFFOLK 50H
NAS. NORFOLK (EAST)-15 43H L S-323 (142.74) (SEAPLANE)-2870
ECLIPSE 16
DEEP CREEK 10
314
352
44
96
100
90
270
66
210
126
30
306
ELYRIA 219
ELYRIA 30 S
● DESIGNATED RADIO FIX
○ NON-COMPULSORY REPORTING POINT
NOTE:
(R): EXTREMELY HAZARDOUS
(D): USABLE WITH CAUTION
AIRPORTS LESS THAN 2500 FT. IN LENGTH, HAVING UNPAVED RUNWAYS AND NO LIGHTS, CARRY NO CLASS IN AIRPORT BOX.

CHICAGO–CLEVELAND–NORFOLK

LOCATION	FREQ., IDENT.	STA. CLASS, BEAR. & DIST.	FREQS. GUARDED, HRS. OF OPER., REMARKS
ILLINOIS			
ASHBURN LFM	(- -)	LFM,152°, 6.25	Chicago
CHICAGO	350(CG)(116.1)	SBRAZ-VDTX	(3);116.1
Chicago Airport	278(126.18, 119.7,118.1)	AC (ILS):152°,2.2	(4);131.9,126.18,118.3,119.7,119.1
FRANKLIN PARK FM	(- - - -)	FM, 332°, 9.5	Chicago
FRANKLIN PARK	219 (L)	FMK; 332°, 9.5	Chicago
HARVEY (Rubinkam)	385 (GB)	MLWZ; 90°, 2.2	
JOLIET	257(JO)(116.1)	SBRAZ-VDT; 126°, 3.7	(4); 116.1
CHICAGO-ORCHARD(Chicago)	396(126.18)	C	(4):126.18
INDIANA			
McCOOL (Int)	359(MCL) (116.1)	MRVJ	(4); 116.1
McCOOL FM	(- - - -)	FM, 270°, 67	Goshen
OHIO			
AVON LAKE LFM	(- - - -)	LFM, 325°, 8.1	Cleveland
BROOKSVILLE FM	(-)	FM, 130°, 13	Cleveland
CLEVELAND	344(CV)(116.1)	SBRAZ-VDTX	(3);116.1
Cleveland Airport	278 (126.18) (118.3)	AC (ILS);100°,0.7	(4); 118.3, 126.18, 121.6
ELYRIA FM	(- - -)	FM, 280°, 10.9	Cleveland
ELYRIA	219 (S)	FMK, 280°, 10.9	Cleveland
NORTH ROYALTON LFM	(- -)	LFM, 145°, 10.8	Cleveland
VERMILION FM	(. - - - -)	FM, 280°, 26	Cleveland
VIRGINIA			
DEEP CREEK FM	(- - -)	FM, 224°, 9.6	Norfolk
ECLIPSE FM	(- - - -)	FM, 276°, 16	Norfolk NAS East Field
LANGLEY FIELD (Army)	230(DLY) (116.1)	SBMRAPZ-VDT	(3); 116.1
Langley Field	278 (126.18) (116.1) +	CA; 102°, 3.5	(4); 126.18 only
NORFOLK	239(NW)(116.1)	SBMRLZ-VDT	(3);116.1
Norfolk Airport	269 (126.18) (118.3)	AC; 44°, 3.4	(4);131.9,126.18,118.3
Norfolk (Navy)	356 (NGU)	BMRLZ	
Norfolk NAS(East Fld)	323 (142.74)	CN; 276°, 2.9	(3); 142.74
Norfolk NAS(Seaplane)	2870	CN	2870 (7-17 & on req)
OCEANA NAAS	3295(142.74)	CN	3105,4495;142.74(745-1830)(OCA)

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. on mcs, Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR.BEAR.	MARKER IDENT & MILEAGE (PLUS COMPASS LOCATORS)		
CHICAGO, ILL.	109.9		137° Mag.	IM ·····(.04)	MM	OM -- (1.89)
					MMK ···(.71)	OMK
CLEVELAND, OHIO	109.9		54° Mag.	IM ·····(.06)	MM	OM --(4.75)
					MMK	OMK

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker. (3) 3105, 4495, 6210 kcs. (4) 3105, 4495, 6210, 3117.5 kcs.
Parenthetical Numbers in Frequency Column Indicate VHF Voice. + - Army ACS transmits on and guards 116.1, 137.88, 140.58 mcs.

AIRPORTS

ILLINOIS

AIRPORT—CITY, NAME	LOCATION	ELEV	CLASS	REMARKS
Ashburn (Chicago)	12 SW;hwy W	620	16 S4	73,80 oct.Unsafe after rain.
Ashland Ave(Chicago Hgts)	1.5 NW;hwy S	675	29 S6	80,91 oct.Obsts sur fld.
(P) Aurora	3 NNW	701	33 S4	80 oct. Twr NE;stack SE.
(N) CHICAGO	9 SW of loop	618	65h R3 L6 S6	73,80,91 oct. FMG.
Chicago-Elmhurst(Elmhurst)	2.5 N;hwy SW	707	27 S6	80,91 oct.Poles S,E.
(A) Chicago-Orchard	16 NW;RR W	657	57h R1 L5 S6	73,91,100 oct. JP-1
(P) Chicago-Hammond(Lansing)	1.5 S;RR N	660	37 L1 S6	73,80oct.Obsts sur. fld.
Harlem (Oaklawn)	2.2 WNW;hwy W	619	26 S6	80 oct.Pole line E.
Hinsdale	3 S;hwy SE	710	26 S6	73,80 oct. Rolling ground.
Howell (Blue Island)	3 W; hwy E	600	26 S4	80 oct. Obsts sur fld after 2400.
Joliet,22,LS-OG	5 W;riv W	580	30h R1 L4 S4	80, 91 oct.Flood lgts prior req

h-hard surfaced runways. R-radio facilities. L-lighting facilities. S-servicing (See page X111) (NC)-Not charted. → NEW OR REVISED DATA

ILLINOIS

AIRPORT—CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Lewis-Lockport(Lockport)	2.2 WNW;hwy E	664	26 S6	80,91 oct. Twr SE.Obsts sur fld.
Prosperi (Tinley Park)	1.7 SSW;hwy W	695	28 S6	80 oct.
Ravenswood (Des Plaines)	2.5 SW;hwy E	650	18 S6	80 oct. No sto.
(P) Rubinkam (Harvey)	2.5 SW;hwy N	615	47 L1 S5	73,80,91 oct.Use W part only.
St. Charles (NC)	3.5 E;RR E,S	760	18h	Pole line N.
Sky Haven(Bensenville)	1.5SE;bet RR,rd	650	23 S4	80,91 oct.Use strips only.
Stinson (La Grange)	2 SE;hwy SE	644	25 S6	80,91 oct.Pole line S,W.
(P) Washington Park(Homewood)	1.5 SE;hwy E	625	30 S6	80,91 oct.Allway area.
Wood Dale (Glenview)	10.5 SW	711	30 S5	80 oct.
York Township(Lombard)	2 SSW;hwy N	726	20 S6	80 oct.Use strips.Pole line N,E.
INDIANA				
Gamble (Hobart)	1.8 NNW;hwy S	650	30 S4	73,80 oct.Obst sur fld.
Gary	6 S;hwy W	610	26h S6	80,91 oct.Trees N,E,S.
★ McCool Int,3,OG-LG	2 SW;hwy S	654	24 R1 L3	
Michigan City	4 E;RR N	650	24 S1	80,91 oct.Pole line E,S,W.
Urschell(Valparaiso)	1.7 NNE;hwy E	766	26 S2	80 oct.Pole line N.
OHIO				
Bedford	2 NE;hwy W	1060	17 S2	73 oct.
Brooklyn (Cleveland)	5.5 SW;RR S	780	26 S2	73 oct.
Chagrin Falls	3 E;hwy SW	1220	23 S4	80 oct. Pole line N.
Chagrin Horb.(Willoughby)	2.5 NNW	620	22 S6	80 oct. Pole line W.
Chardon	2.8 S	1230	22 S1	80 oct. Pole lines sur fld.
(A) CLEVELAND	8.5 SW;riv W	785	60h R3 L6 S6	73,80,91,100oct.JP-1.FEE. ARPT.
Elyria	1.6 SSW;RR NW	745	30 S2	80 oct. Poles SE. OP ENTRY
Euclid Ave.(Willoughby)	1.5 WSW;RR N	640	26 S6	80,91 oct.P-line S,hi-line N
Lorain City (Lorain)	2.1 SW;RR N	610	31 S1	80 oct.Pole line NE,SE.
Lorain Skyport(Lorain)	2.8 W;lake NW	610	30 S1	80 oct.Pole line S,SE.Rnwy data unver.
Lost Nation (Willoughby)	3 N;lake NW	626	40 S6	80,91 oct.Obsts sur fld.
Mather (Cleveland)	5 SW;RR S	760	19 S2	80 oct. Rnwy data unver
Mid City (Hudson)	2 S;RR S	1080	31 S4	80 oct.Poles W,NW.
Ortner (Wakeman)	4 NNE;RR S		26 S1	73 oct.Data not verified.
Sky Haven (Northfield)	2.5 SSE;RR NE	1040	25 S4	73,80oct.No sto.Pwr line W,S.
Solon	1.1 SSE;RR NE	1034	24 S6	73,80 oct.Pole line SE,W.
★ Vermilion Int, 28,OG-LG	3.7 SW;RR SE	610	24 L3	
Ward (Bedford)	1.5 S;RR E	980	20 S6	80 oct
Willoughby	1.2 E;RR NW	700	22 S6	80 oct. Pole line sur fld.
VIRGINIA				
(N) Fortress NAAS (N)	2.5 ESE;hwy N	16	25h	CLOSED.
(P) Franklin	1.7 NE	38	30h	
Garner's (Windsor)	4.8 NNE;hwy W	80	25 S2	80 oct.
Glen Rock (Norfolk)(NC)	4.5 E;RR S	18	24	Twrs,pole line SW.
(A) Langley Field (A)	3 N Hampton	10	70h R2 L5 S6	73,91,100 oct.JP-1
(N) Monogram NAAS (Drivers)	2.8 W;riv W	21	45	INACTIVE. (N)
NORFOLK	5 ENE;RR SE	22	50h R2 L5 S4	80,91 oct.
(N) " NAS (Chambers)(N)	7 N;rd N	13	26h	CLOSED. Use East Field.
(N) " NAS (East Field)(N)	6 N;RR SW	15	43h R2 L5 S6	91,100 oct.NATS,NAFC.
(N) Oceana NAAS (N)	1 SW;RR N	20	60h R1 L5 S4	91,100 oct.No bcn.
Peninsula(Hampton)	2 WSW;RR N	12	26 S4	80 oct.
Pungo	0.8 NE	15	25h	
South Norfolk (Norfolk)	6 SSE		36 S4	Fuel.No sto.Data unverified.
(P) Suffolk	3.8 SSW;RR E	66	50h	
Waverly	2.5 NW;RR SW	115	17 S2	80 oct.Trees,brush sur fld.
Virginia Beach Va.	4.5W;RR,hwy N	15	42 S4	80,91 oct.Pole line N.Data unver.
Lakeside (Gary) Ind.	7.5 W		35 S4	73,80 oct. Unverified.
→ Triangle (Dyer) Ind.	1.5 NE; RR E	630	33 S2	80,91 oct. P-line S,SE.Bldg W.

LOCATION	FREQ., IDENT	STA. CLASS, BEAR. & DIST.	FREQS.GUARDED,HRS. OF OPER., REMARKS
JERSEYVILLE FM	(-)	FM, 3550,21	St. Louis, Mo.
SCOTT (Belleville) (Army)	283 (DCD)	SBMRAPZ-DT	(4)
Scott Field	396 +	CA; 49, 1.8	(4)
[redacted]			
LAMBERT-ST. LOUIS ARPT. (St. Louis)	278 (126.18, 142.74)	AC (ILS)	(4); 131.9,126.18,142.74
ST. LOUIS (Lambert -St. Louis Arpt.)	208 (LS)	SBRAZ-DTX,255° 2.2	(3)
ST. PETERS FM	(- - - -)	FM, 273°,14.2	St. Louis.
SPANISH LAKE	219 (L)	FMK-39°,7.8	St. Louis.
SPANISH LAKE FM	(- -)	FM, 69°, 7.8	St. Louis.
[redacted]			
PORTLAND	332 (PD)(116.4	SBRAZ-VDT	(3); 116.1
Portland AAB	278 (126.18, 118.3)+	AC; 171°,3.1	(4); 142.74,131.9,118.3, 126.18
PORTLAND LFM			DISCONTINUED
WILLAMETTE FM	(- -)	FM,176°,20.6	Portland
[redacted]			
ALAMO (San Antonio (San Antonio Arpt)	344(JR)(116.1)	MLZ-VDT: 174°,2.7	(3); 116.1
BROOKS FIELD (San Antonio)	396 (126.18)	CA	(3); 126.18
KELLY FIELD (San Antonio)	219 (126.18)+	CA	(3); 126.18
RANDOLPH (San Antonio)(Army)	359 (DRQ)	BMRLZ	(3)
Randolph Field	272 (126.18)	CA;322°,2.04	(3); 126.18
SAN ANTONIO (Kelly Field)	254(ZN)(116.1)	SBRAZ-VD,107°, 1.8	(4); 116.1
San Antonio Arpt. (Alamo Field)	278 (118.3)	C (ILS)	(4); 118.3,131.9,126.18
SPRING BRANCH FM	(-)	FM, 354°,21.8	Alamo.
[redacted]			
HOBART FM	(- -)	FM, 65°,15	Seattle
LAKEVIEW FM	(- - -)	FM, 175°,25.5	Seattle
KING CO. AIRPORT (Seattle)	278 (126.18, 118.3)	AC	(4);131.9,140.1,126.18, 118.3
McCHORD (Tacoma) (Army)	272 (DTA)	BMRL	
McChord Field	395 (126.18)+	CA(ILS) 295°,1.7	(3); 116.1, 126.18
SEATTLE (King Co. Airport)	290(SA)(116.1)	SBRAZ-VDTX, 295°, 3.3	(3); 116.1
SEATTLE NAS(Navy)	333 (WN)	MH	(4) cont.
Seattle NAS	230 (142.74)	CN	(3);142.74 (S-sunset)
WASHOUGAL FM	(-)	FM, 63°,17.5	Portland,Ore. (GCA)
WOODLAND FM	(- - - -)	FM, 331°, 23	Portland, Ore.

INSTRUMENT LANDING SYSTEMS (Localizer and G.P. in mcs. Compass Locators in kcs)

LOCATION	LOCALIZER	G.P.	APPR. BEAR.	MARKER IDENT & SILENCE (PLUS COMPASS LOCATORS)			
Lambert-St Louis, Mo.	110.3		256° Mag.	IM- ••••••• (.66)	MM-	OM- -- (4.50)	
					MMK- 201 ••• (.60)	OMK-	
McChord, Wash	109.9	333.8	337° Mag.	IM- (.26)	MM- ••••••• (.85)	OM- -- (4.44)	
					MMK-	OMK-	
San Antonio Alamo, Tex	108.9 ••--	333.8	30° Mag.	IM-	MM- ••--- (.58)	OM- -- (4.4)	
					MMK-	OMK-	
				IM-	MM-	OM-	
					MMK-	OMK-	

S-Simul. Range and Voice; W-Without Voice; Z-VHF Range Station Location Marker; (3)-3105, 4495, 6210 kcs; (4)-3105, 4495, 6210, 31117.5 kcs. Parenthetical Numbers in Frequency Columns Indicate VHF Voice.
+ -Army A.F.S. transmission and guards 121.7, 127.95, 149.55 mcs.

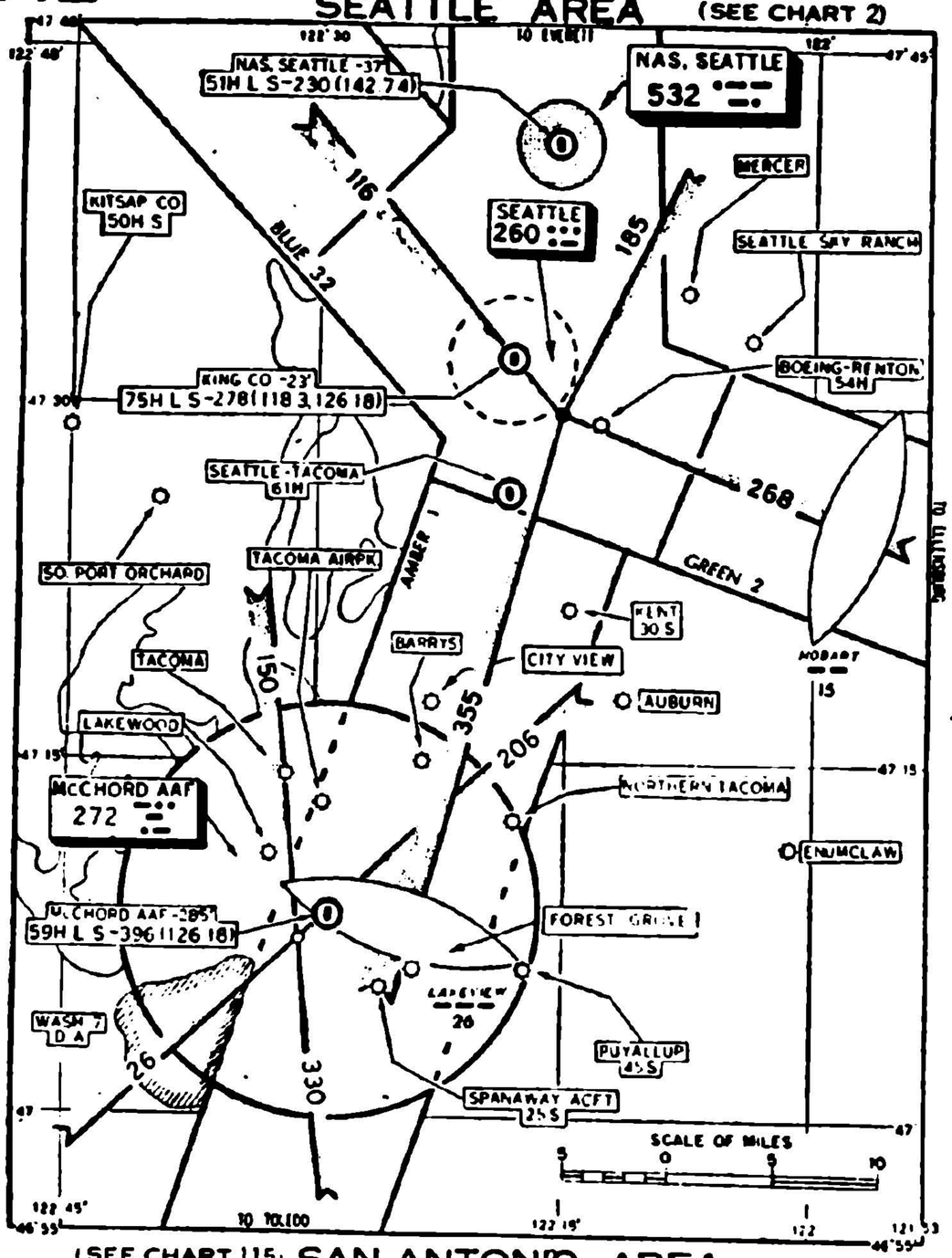
Added national ratings. Border facilities. L-lighting facilities. S-servicing. (See page 111) NC-(not checked) →NEW OR REVISED DATA

AIRPORTS

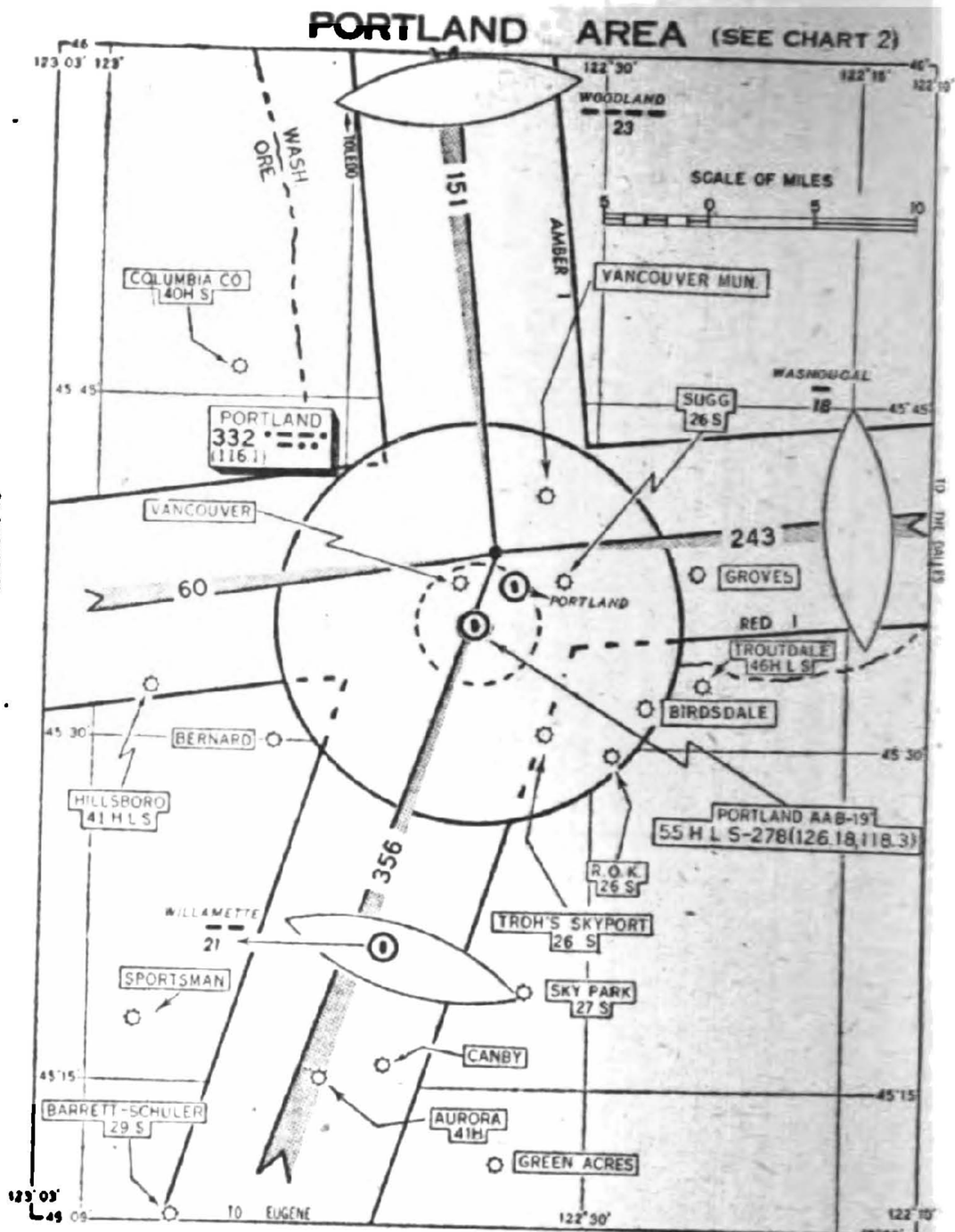
AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Gundlach(Belleville)	1.8 E	514	23	Obsts sur. field.
Lakeside(E.St. Louis)	7 NNE,lake W	420	32 S6	73 oct.
Parks(E.St.Louis)	4.2 SW,RR SE	410	26 L1	25-75' obsts on fld.
Parks Metropolitan (East St. Louis)	3.5 SSW,RR W	420	17h S6	80,91 oct.
(A)Scott (Belleville)(A)	7.5 ENE,RR S	444	55h R2 L5 S5	73,91,100 oct. JP-1.
Wadlow (Alton)	3.5 NNW	600	25 S4	80 oct.
MISSOURI				
Black Walnut (St. Louis)	18 NNW	442	20	
Creve Coeur (St. Louis	14.5 WNW	445	37	Lake E.
Ellisville	0.4 NE,hwy S	750	16 S2	80 oct.
Kratz(St.Charles)	1.1 ESE,RR S	442	30 L S6	80,91 oct. Port rnwy lgts.
(N) LAMBERT-ST.LOUIS (St. Louis)	10.8 NW,hwy N,W	552	60h R3 L6 S6	80-100 oct. Rdo rqrd.
Machens (NC)	1 NNW	450	41	Pole line
Meremec(Valley Pk.)	1.5 ESE,riv N	440	30 L S2	80 oct. Port rnwy lgts, S.
(N)Neubeiger OLF (N)	22 NNW,riv N	438	20h	(St. Louis) Lgt acft only.
Ross (St. Louis)	4.8 NNW,RR SE	430	30 S6	80,91 oct. Poles sur fld.
St.Charles	5.3 NNW,RR N	470	29 S6	80 oct. Poles E,N,NE,SE.
Starling(St. Louis)	14 SSW,RR E	615	26 S4	80,91 oct. Obsts sur fld.
Sylvan Beach (Fenton)	2 NNW	442	42 L S2	80,91 oct. Port rnwy lgts. Pole line N.
Weiss (Kirkwood)	4 SW	430	15 S4	80 oct. Pole line NE,N.
[redacted]				
Aurora Flight Strip	1.6 NNW,hwy W	196	41h	
Barrett-Schuler (Woodburn)	2.6 WNW,RR E	200	29 S1	73 oct. Pwr. line NNE.
Bernard(Beaverton)	1.4 NNW,RR S	208	18 S6	80,90 oct.
Canby	0.5 NNW	150	17 S1	80 oct. Pwr line NE,SW
Columbia Co.(Scappoose)	1.2 NE,RR W	55	40h L S6	80 oct. Port rnwy lgts. Pole line N, NW.
Dwyer Landing Field (Portland)	7 SE,RR NW	200	16	Obsts ENE,WSW. Ditch around strip
Green Acres(Mullino)	1.9 SSW,RR W	269	18 S4	73,80 oct. No sto. Obst
Hillsboro	2.4 ENE,RR S	200	41h L5 S5	73,80 oct. No sto. SSE.
(A,N) PORTLAND AAB (A)	5 NNE,riv N	19	55h R2 L5 S6	100 oct: Lid 73 oct. JP-1 No sto. Pole W, lgtd.
Portland Birdsdale	8.5 E,RR N	220	23 S6	80,91 oct.
R.O.K. (Gresham)	2.2 W,RR S	285	26 S5	73 oct. No sto. Pwr line E
Sky Park (Oregon City)	2.7 SE,RR NW	440	27 S6	80 oct. P-line S. ENE.
Sportsman Arpk. (Newberg)	1 E,riv SW; RR N	173	23 S2	Lid 80 oct. Trees NNE.
Troh's Skyport (Portland)	6 E,riv N	250	26 S6	80,91 oct.
Troutdale	1 NW,RR S	34	46h L3 S6	73,80 oct.
[redacted]				
Bexar Co.(San Antonio)	7.1 SSW,rd W	640	32 S6	80,91 oct. Poles,trees N, NW, W, S.
(A) Brooks (San Antonio)	6.5 SSE,RR W	594	52h R1 L5 S6	73,91,100 oct. (A)
Craigg (Sayers)	1.8 W,hwy, N	650	41 S1	80 oct. RR N.
Davis (San Antonio)	6.7 N,RR SE	780	16 S1	80 oct.
Hurt (San Antonio)	6.5 WNW,	680	36 S6	80 oct. Hwy W.
(A) Kelly (San Antonio) (A)	6.8 SW,RR NE	676	75h R2 L5 S6	62,73,91,100 oct. JP-1. FOREIGN CLEAR STN
Kuehler(New Braunfels)	1.7 SE,riv NW	720	18	Pole line NW. Cattle.
Lake (San Antonio)	10 S,RR E	700	23 S2	73 oct.
Leon Valley (San Antonio)	8.6 WNW, hwy E	710	40 S6	80,91 oct. Pwr line N, W, NW.
(A) Martindale (San Antonio) (A)	7.1 E,RR S	660	30h	
Mission(San Antonio)	4.5 S,hwy E	567	23 S6	80 oct. No sto. P-line NNE
(A) Randolph (San Antonio)	15.6 ENE,RR NW	752	70h R2 L5 S6	91,100 oct. No sto. (A)
SAN ANTONIO MUN.-ALAMO	7.8 N,RR SE	783	55h R3 L6 S2	73,80 oct.
Stinson(San Antonio)	6.2 SSE,RR E	567	49h	
Yates(San Antonio)	13.7 N,hwy W	968	33	
(A) Zoehl No. 6 (A)	0.6 NE,hwy NW	610	30h	
[redacted]				
Auburn	1.6 SSE,hwy S	376	20 S6	80 oct. Trees.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
Barrys Sky Harbor (Tacoma)	2.3 ENE,riv SW	4	21 S3	80 oct. Pole line E.
Boeing-Renton (Renton)	0.9 NW,Lake N	32	54h L5	Lgts prior req.
City View Arpk. (Tacoma)	4.5 NE	350	18	Pole line SW.
Enumclaw	1.5 WSW,hwy E	740	20 S2	Lid 80 oct. Pwr line E.
Forrest Grove (Spanaway)	1.8 E,RR E	340	30 S6	80 oct.
Groves (Camas)	2.8 N,hwy E	350	16 S1	Lid 80 oct. Lake SW.
Kent	1.5 SSW,riv N	30	30 S6	80 oct.
KING CO.-BOEING (Seattle)	6 S,riv SW	23	75h R2 L6 S6	80-100 oct. No sto. ARPT QF ENTRY.
Kitsap Co.(Bremerton)	8 SW,hwy NW	482	50h L5 S6	80,91 oct. No sto. Lgts on req.
Lakewood (Tacoma)	7.5 SSW,RR E	243	22 S1	80 oct. Trees ENE,WSW
(A) McChord (Tacoma) (A)	7 SSW,Lake SE	285	58h R3 L5 S6	73,91,100 oct. JP-1. FOREIGN CLEAR STN
Mercer (Bellevue)	4.1 ESE,lake E	345	20 S5	80 oct. Tie-down sto.
Northern Tacoma (Puyallup)	1.3 N,RR N,S	20	19	
Puyallup	6 S,hwy W	520	45 S6	80,91 oct. Rnwy data unver.
R.C. Sugg (Orchards)	3.6 SSE,hwy S 6.8 E Vancouver	310	26 S6	80 oct.
Seattle Sky Ranch (Issaquah)	1.6 NNW,hwy S	50	25 S6	80,91 oct. No sto. Hill S.
(N) Seattle NAS (N)	6.5 NNE,lake E	37	51h R1 L5 S6	91,100 oct.
(N) Seattle-Tacoma (Seattle)	10.5 S,RR E	405	61h	Trees and hills sur. fld.
South Port Orchard (Port Orchard)	7.5 SSW,lake S	350	19 S4	80 oct. No sto. Trees N, S.
Spanaway Aircraft Co.(Spanaway)	1.2 SSE,RR S	375	25 S1	80 oct. Pole line S.
Tacoma	4.4 W,hwy SE	369	22 S6	80, 91 oct.
Tacoma Arpk. (Tacoma)	2.9 WSW,RR E	250	20 S4	80 oct. Sharp drop W edge fld.
Vancouver	1 SE	26	19 S6	Lid 80 oct. No sto.
Vancouver, mun.	6.7 ENE	240	26 S1	80,91 oct. Hwy W.
← Edwardsville (Ill.)	3.4 E:RR N	555	21 S2	No fuel. Pole line E,S.

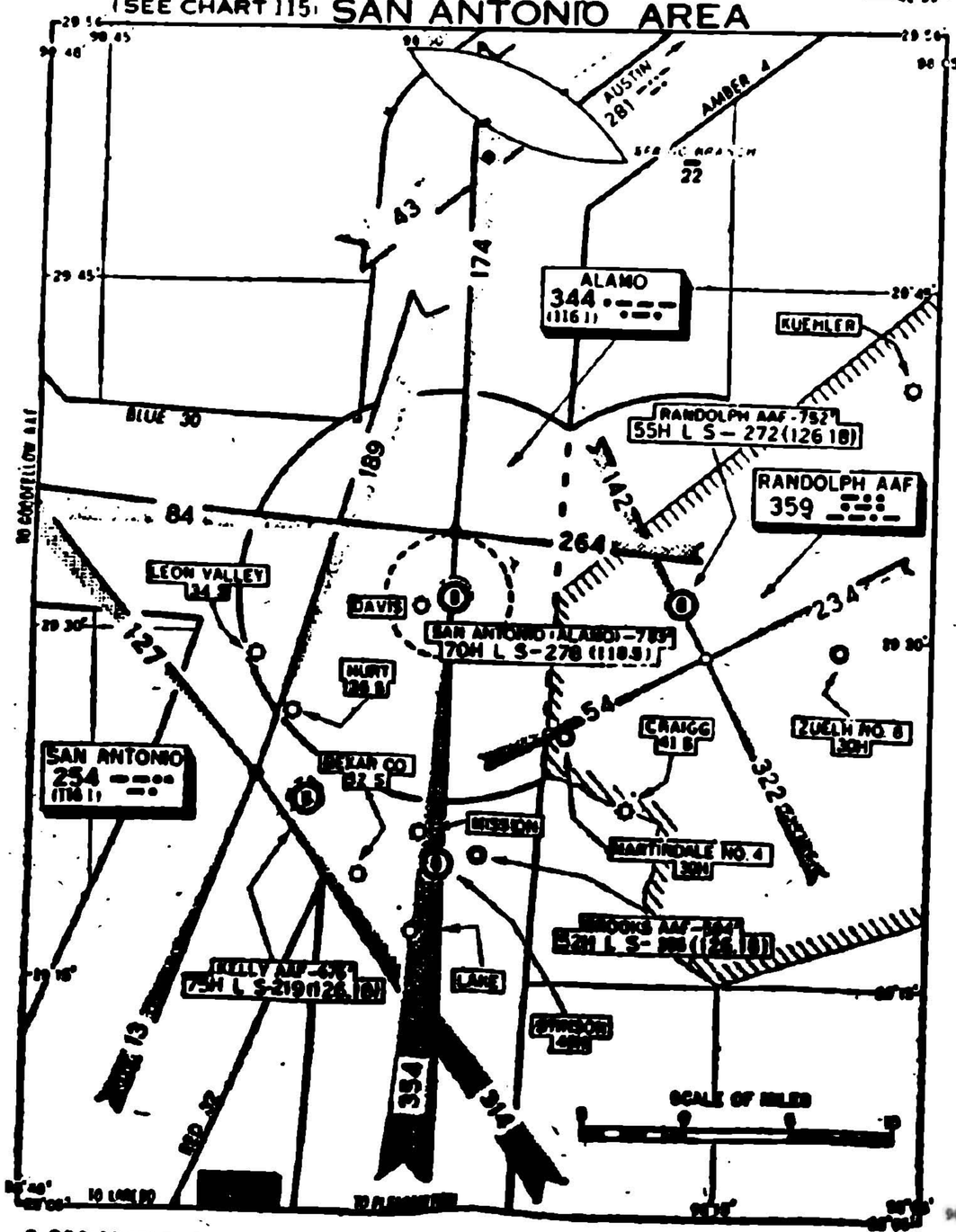
SEATTLE AREA (SEE CHART 2)



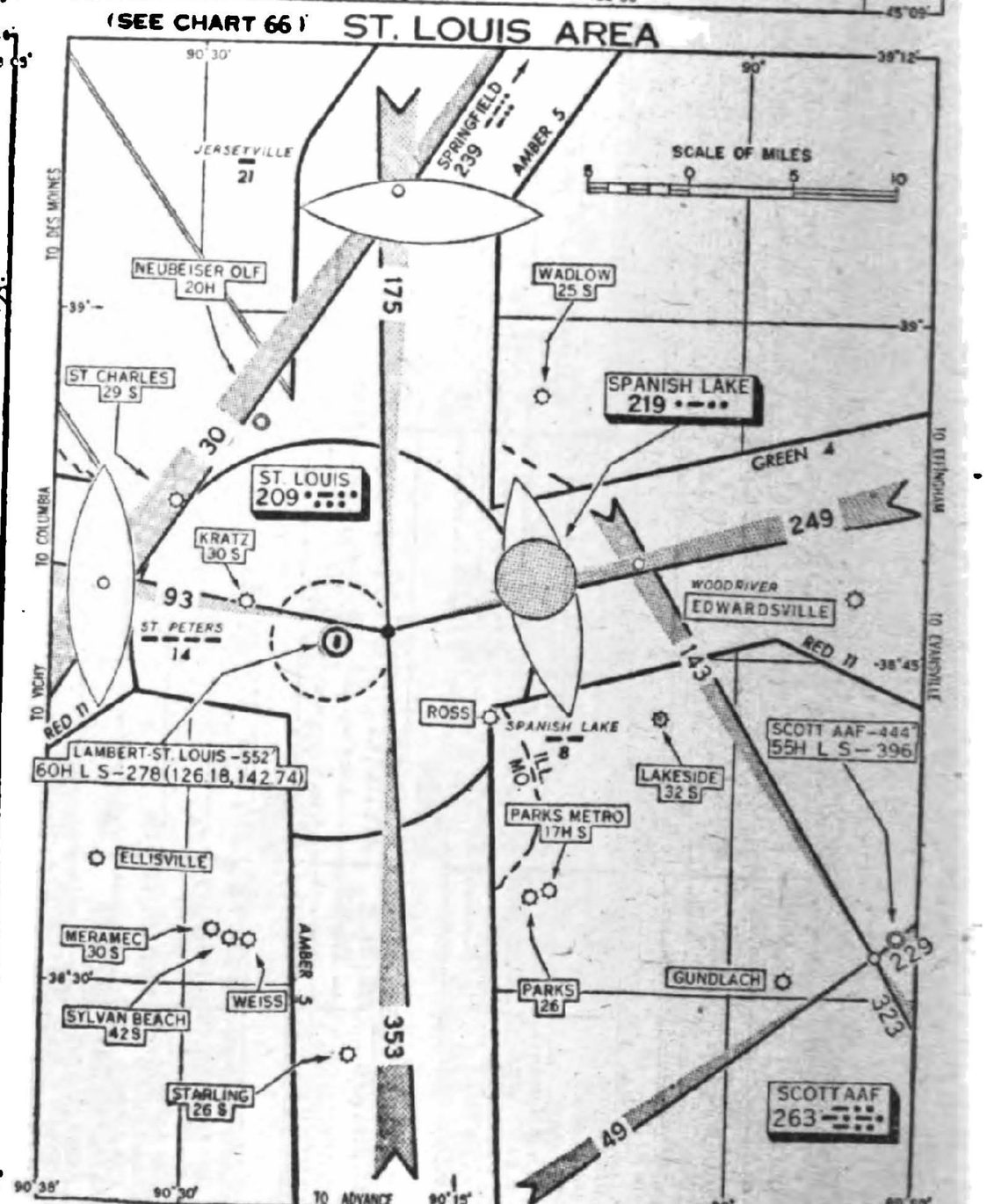
PORTLAND AREA (SEE CHART 2)



(SEE CHART 115) SAN ANTONIO AREA



(SEE CHART 66) ST. LOUIS AREA



● DESIGNATED RADIO FIX

○ NON-COMPULSORY REPORTING POINT

NOTE:
HEAVY LINES ON SIDES OF RANGE LEGS INDICATE "E" BOUNDARIES.

[redacted]

Ⓡ: EXTREMELY HAZARDOUS

Ⓓ: USABLE WITH CAUTION

Directory of Seaplane Bases and Anchorages

CITY — AIRPORT NAME	LOCATION	ELEV.	CLASS	REMARKS
CALIFORNIA				
(N) Alameda NAS (N)	4.5 WNW	S.L.	211 R1 L5 S6	73,91,100 oct. Ramp, tractor.
(N) Corcoran, Tulare Lake				ABANDONED.
Lakeport, Clear Lake	E of Lakeport	1325	Unl	Buoy
Oakland	6 S	S.L.	S4	Ramp;beach;haul-out.Data unver.
(N) San Diego NAS (N)	4.5 WSW	S.L.	106 R1 L S6	87,100 oct. Ramps;haul-out.
(CG) San Francisco CGAS (CG)	9 SSE	S.L.	132 L5 S6	91,100 oct. Ramps; all facs.
(N) San Pedro NAS (N)	2 ENE	S.L.	Unl. L1 S4	73-100 oct. Ramps; all facs.
CONNECTICUT				
Connecticut Valley (Windsor Locks)	2.5 S		158 S4	80 oct. Hi-tension wires N. Closed winter. Data unver.
Cromwell	0.8 S;hwy W		90 S4	80 oct.Float;ramp.Data unver.
Greenwich	0.8 S	S.L.	Unl	PRIVATE.Ramp. Congested harbor.
Stratford,United Acft. Corp.	2 SW	6	53	PRIVATE. Ramp.
Westport	2 S	S.L.	40 S6	80 oct. Float; marine railway.
FOR DISTRICT OF COLUMBIA SEE PAGE 144				
FLORIDA				
Avon Park, Lake Lotela	2 SE;RR SW	100	66 S1	80 oct. Beach.
(N) Banana River NAS (N)	11 SE Cocoa	S.L.	116 L S6	87,98 oct. Ramps; all facs.
Bradenton	Adj N	1	Unl S1	73 oct.;80 oct. on req.Ramp;float.
Clarcona, Hidden Acres	1.5 WNW	90	30 S6	80 oct. Data unver.
Daytona Beach, Bob Orrell	2 N	S.L.	264 S4	Ramp; float.
Daytona Beach, Raymond's	1.5 N	S.L.	Unl S6	80 oct.;91 oct req.Ramps;piers,boat
Fort Myers, Gulf Airways	2 N	S.L.	Unl S4	80 oct.Ramp;all facs. Data unver
(N) Jacksonville NAS (N)	7.2 S	S.L.	Unl R1 L5 S4	91,100 oct. Ramps; all facs.
Jacksonville, Riverside	Adj city	7	Unl S1	80 oct. Beach. Data unver.
(N) Key West NAS (N)	7 ENE	S.L.	130 R1 L S6	91,100 oct.Ramps;buoys.ARPT OF
Lakeland, Mun.	Adj NE	145	Unl S1	80 oct. Data unver. ENTRY
Lake Worth, Mun.	Adj city	S.L.	100 S6	80 oct.Ramp;beach.Obsts E. Data unver.
Leesburg, Hal Hoover's	1 N	15	Unl S1	80 oct.Ramp;beach;dock.Data unver.
Melbourne	Adj S	S.L.	Unl S1	80 oct. Float.
Miami, Chalk's	2 E;causeway N	S.L.	Unl S4	80 oct.Beach;ramps;winch.ARPT OF ENTRY.
(CG) Miami,Dinner Key CGAS (CG)	2.5 SE	S.L.	150 L3 S4	100 oct.Ramps;haul-out.CLOSED.
Miami,E.Coast Avia.Service	8 NNE	S.L.	132 S4	80 oct.Ramps;buoys. Obsts.
Miami, Embry Riddle	2 E;causeway S	S.L.	65 S4	80 oct. Ramps.
Miami, Miami Aviation Ctr.	8.5 N	S.L.	Unl S1	80 oct. Data unver.
Orlando, Davis	2.5 NW	90	80 S1	80 oct. Ramp; dock.
Orlando,Orlando Aviation Country Club	5 N	90	60 S1	80 oct. Ramp; beach. Data unver.
Orlando, Raymonds	2 W	70	50 S1	80 oct. Float.Twr NE.Data unver.
(N) Pensacola NAS (N)	5.3 SW	S.L.	116 R1 L1 S6	87-100 oct. Ramps; all facs.
(N) Pensacola, Bronson NAAS (N)	12 WSW	S.L.	Unl L4 S4	87,91 oct. Ramps; all facs.
St. Augustine	Adj SE	S.L.	Unl S1	80 oct. Float;beach;dolly.
St. Petersburg,Albert Whitted	0.75 SE	S.L.	Unl S6	80,91 oct.Data unver.
(CG) St. Petersburg CGAS (CG)	2.5 E	S.L.	Unl L S4	80-100 oct. Ramps.
St. Petersburg,James Johnstone	7 W	S.L.	Unl S6	80 oct.Ramp; all facs.Data unver.
St.Petersburg,Pinellas County	11 NNW	S.L.	Unl S1	80 oct. Data unver.
Tampa, Peter O. Knight	4 S;arpt W	8	Unl S6	80 oct. Ramps; all facs.
Titusville	Adj NE	S.L.	Unl S1	73 oct.;80 oct on req. Data unver.
West Palm Beach, Midet	1 N	S.L.	158 S4	80,87 oct.Ramps;all facs.ARPT OF ENTRY.
ILLINOIS				
Alton,Clifton Terrace	3 W		53 S1	80 oct. Data unver.
IOWA				
Davenport,Elliot Fly.Service	Adj S	550	50 S1	80 oct.
LOUISIANA				
Cross Lake	5 NW		100 S4	Fuel; dock. Data unver.
Westwego	1 E	S.L.	53	PRIVATE. May Brothers.
MAINE				
Bangor, Down East	3 NE		106 S4	80 oct.No sto.Ramp;float;beach. Data unver.
Bath, New Meadows	2.3 WNW;RR S	12	60	Beach. N,S approaches blocked.
Boothbay,Frank L.Sample,Jr.	Adj	S.L.	Unl S1	Ramp; float.
Brunswick,Riverside Arpk.	1 WNW;RR S	60	58 S1	80 oct. Beaching. Hwy S.
Dexter, Heart of Maine	0.5 N	433	40	Buoys; boat. Trees N,S,W.
Eagle Lake	3.8 N	574	70 S1	80 oct. Obsts.
East Holden,Holbrook Pond	1.1 NNE	200	50 S1	73 oct. Ramp; dock.
Eastport	1 W	S.L.	Unl	Ramp.
Fryeburg	2 E	358	120	Trees encircle lake.
Greenville,Moose Head Lake	0.6 NNW	1028	50 S4	91 oct. Ramp.
Greenville Jct.,Squaw Mt.Inn	1.5 N	1028	52	Buoy;boat;beach;float.
Madison,Tomlinson	6.8 NE	330	158 S6	80 oct.Boat;beach;ramp;all facs.
Naples	0.5 NNW	267	160 S1	80 oct. Boat.
Portage,Portage Lake	0.4 WSW	609	160 S4	80,91 oct.Beach;boat.
Shinn Pond	0.7 N	900	60 S1	80 oct.Buoys;beach;wharf.Obst.
Winthrop,Inland Fish & Game	2.7 NNE	212	127 S1	80 oct. Buoys;beach,float.
MARYLAND				
(N) Annapolis NAF (N)	1 E	S.L.	Unl S2	Ramp; haul-out; buoys.
(N) Baltimore,Middle River NAF	10 E	S.L.	Unl S6	91,100 oct. Ramp; buoys. (N)
Baltimore	7 S;bay E		Unl L1 S4	Ramps.
Glen Burnie-Whipp	1.5 E	50	100 S6	80 oct. Ramp.
(N) Patuxent River NAS (N)	2.9 NE of Jarbocsville	S.L.	Unl R1 S4	90,100 oct. Ramps; buoys.
MASSACHUSETTS				
Agawam	1 SSE	30	100 S6	80 oct. Ramp; all facs.
Beverly,Jubilee Yacht Club	Adj S	S.L.	105 S1	Beach;dock. Avail.May-Oct.
Chatham	Adj W	S.L.	33 S2	Ramp; dolly; buoy.
Fall River	2 E	131	119	Data unver.
Gloucester	0.3 W	S.L.	50 S4	80 oct.No sto.Moorings;float.Data
Holyoke,Smiths Ferry	4.5 N	100	95	Obsts NE,SW. unver.
Lawrence,Merrimac Val'y Skypt	2 E	7	83 S4	No sto.Ramp;float.Data unver.
" Merrimac Valley Skyport	2 W	45	50	Data unver.
Lowell	1 W	95	92 S3	Data unver.
New Bedford	In harbor	S.L.	Unl	Data unver.
(CG) Salem CGAS (CG)	2.5 E	S.L.	150 S4	91,100 oct. Ramps.
South Hadley	1 W	95	100 S4	80 oct. Data unver.
(N) Squantum NAS (N)	0.8 W	S.L.	Unl S4	73-100 oct.Ramps;buoys;haul-out.
Swansea,Swansea Boat Yard	2.5 SSW	S.L.	211	Float;buoys;beach.
MICHIGAN				
Algonac	2.8 W	574	50 S1	73 oct.
Bay City,James Clements	3.7 S	580	35 S4	80 oct.Data unver.
Comstock Park,Grand River	1 S		50	Data unver.
Curtis,Ostrander's Forest Inn	1 N		Unl S1	80 oct. Moorings. Data unver.
Detroit, Motor Boat	6 ENE	575	Unl S1	Dock. Peach Island S.
Detroit Seapl. Patrol Base Inc.	4 ENE	575	Unl S1	73 oct. Dock. Belle Island S.
Iron Mountain,Lake Antoine	1 NE		Unl.	Beach. Data unver.
Kalamazoo, Austin Lake	9 SSE;RR E	855	100 S4	80 oct.Boat;beach,tractor.
North Muskegon,Interstate	0.3 S	581	100	Ramp; boat, dolly.
Old Mission	Adj E	581	120 S1	80 oct. Beach. Data unver.
St.Clair Shores, Jay Bee	Adj		Unl S1	80 oct.Ramp.Data unver.
Trenton, Hance	5 NNE	574	Unl S1	73,80 oct. Beach; ramps.
Whitmore Lake	1 NNE	894	84 S4	Beach; boat; ramp.
MINNESOTA				
Bemidji, Moberg	1 NNE	1350	S2	80 oct.
Ely	1.5 W	1337	110 S2	80 oct. Ramps; dock.
Little Falls,Scenic Airways	0.5 N	1110	35 S1	80 oct.Ramps;beach. Poles S.
Marcel, Ranier	0.5 E	1300	30	Trees around lake.
MISSISSIPPI				
(CG) Biloxi CGAS (CG)	2 ESE	S.L.	54 S4	91 oct. Ramp.
NEW HAMPSHIRE				
Alton Bay, Interstate Airways	Adj N	504	Unl S1	80 oct.Ramp;buoys;wharf.Data unver.
Hooksett	2 S	2	80 S6	80 oct.Beach;ramp;tractor.
Lakeport,Paugus Bay	1 NE	504	100 S4	73 oct.Beach;boat;ramp.
The Weirs, Weirs	0.3 SE	504	210 S4	80 oct. Ramps.
Wolfeboro	0.5 SE	504	180 S1	80 oct. Boat; wharf.
Wolfeboro,Lakes Region	2.7 W	504	60 S1	80 oct. Ramp; all facs.
Worfeboro,Lake Winnepesaukee	3 WSW		60 S1	80 oct. Data unver.
NEW JERSEY				
(CG) Cape May CGAS (CG)	2 NW	S.L.	60	Ramp;haul-out;buoys.INACTIVE.
Little Ferry	0.5 E;bridge N	5	40 S6	80 oct.Boat;ramp;tractor.

R-radio facilities. L-lighting facilities. S-servicing. (See page xiii) → NEW OR REVISED DATA N.B. Seaplane bases and anchorages are not charted or indexed.

AIRPORT-CITY NAME	LOCATION	ELEV	CLASS	REMARKS
NEW JERSEY				
Perth Amboy	0.5 S of bridge	5	Unl S1	80 oct. Ramp;all facs.Data unver.
Ridgefield Park, Ambrose Air College	0.5 S	5	40 S4	80 oct.Boat; ramp; winch.
Ridgefield Park, Bellor-Howard	1 S	5	35 S4	80 oct. Ramp; all facs.
Secaucus,Dawn Patrol	0.5 N;bridge SW	5	50 S2	73 oct. Winch.
NEW YORK				
Alplaus, Wells	0.5 SW	200	50 S4	80 oct.No sto.Ramp.Hi-line E.
Athens	Adj E		Unl S1	73 oct.Float.Data unver.
Babylon Skyport	1.5 SW	S.L.	Unl S4	80 oct. Ramps;boat.
Buffalo	7.3 NW	570	103 S6	80 oct. Ramps; all facs.
Cooperstown,Otsego	Adj NNE	1194	Unl S1	80 oct.Float;ramp,buoys;winch
Dobbs Ferry	0.5 SW	5	100	Marine Ry;ramp;winch;float.
Eagle Bay, Adirondack	0.3 S	1707	70 S1	80 oct. Beach.
Lake George, Hall's	0.5 E	330	52 S1	73 oct. Ramp; all facs.
Montauk Yacht Club	2.5 NE	S.L.	Unl S1	87 oct.Buoys;floats.Avail.May-Oct.
New York,Downtown Skyport	Foot Wall St.	S.L.	S1	Floats.
New York, Evers	11 NE	5	70	Ramp;buoy;boat;winch.Bridge SSW.
(N)New York NAS (N)	11.8 SSE	S.L.	100 S4	73,91,100 oct.Ramps;tractor
New York, La Guardia	5 E	S.L.	211 L1 S6	73-100 oct. Ramps;winch;buoys.
North Long Beach	0.4 N;bridge SW	S.L.	75 S4	80 oct. Ramp; float.
Ossining, Pickair	0.5 W	3	158 S4	80 oct. Boat; ramp.
Oyster Bay,Cold Spring Harb.	2 E	10	50	Buoys;beach;boat;dolly.
Piseco, Knox Bay	1.5 S	1661	163	PRIVATE.Boat;beach;tractor.
Port Washington,Grumman	1.5 NW	S.L.	158 S4	Ramps; all facs.
Rochester,Point Pleasant	6 NE	246	Unl S1	80 oct. Ramp;float;dock
Round Lake	0.5 E;RR S,W	188	48 S6	80 oct.Beach;boat,tractor.
Sag Harbor	0.5 N	5	103	PRIVATE.Ramp;tractor.
White Stone, Queens	1 N	S.L.	200 S4	80 oct. Ramp; dock.
Yonkers	S end	S.L.	Unl S4	80 oct.Ramp;moor.Clsd Dec.15-Mar 15.
NORTH CAROLINA				
(CG) Elizabeth City CGAS (CG)	3.5 SE	S.L.	106 L1 S4	91,100 oct. Ramps; all facs.
Elizabeth City,Harvey Point	13 S	S.L.	Unl	Ramps.
OHIO				
Cleveland,Breckling Air Svc.	1 E	573	30 S4	80 oct.No sto.Ramp;boat;buoy.Data unver.
OREGON				
Milwaukie, Portland	3 W	10	32 S4	80 oct.Ramps;boat;beach;winch.
Ocean Lake,Devils Lake	0.7 E	S.L.	59 S4	80 oct.No sto.Beach;winch.
Portland, Safley's	5 NNW	26	60 S1	Ltd 80 oct.Ramp;beach,winch.
PENNSYLVANIA				
Beaver	0.5 S	670	50 S1	80 oct. Boat;beach;ramp;tractor.
Coraopolis	0.5 N	675	50 S1	80 oct. Boat;ramp.
Edinboro	1.2 NNW	1200	Unl S1	Ltd fuel.Beach;boat;haul-out.
Harrisburg,Air-Harbor	1 SSW;brdg SE	300	30	Closed for winter
Kittanning, Sedwicks	0.2 W	769	50	Float; beach; boat.
Milton	1.5 SW	440	50 S	Svcg from Milton Airport.
Oakmont	Adj NW	725	52 S1	80 oct. Float.
Philadelphia	10 SW	S.L.	Unl S6	80,91 oct.Ramps;all facs.
Philadelphia,Phila. Skyport	Ctr of city	S.L	Unl S6	Boat;all facs.Data unver.
(N) Philadelphia, Mustin NAS (N)	4 S	S.L.	120 S6	87-100 oct. Ramp.
Pittsburgh, Buck's	at riv.intxn	715	70 S6	87 oct.Boat;beach;ramp;winch.
Pittsburgh,Dravosburg	5 SE;jct rivs	718	50 S2	80-100 oct.Ramp;float;boat.
Pittsburgh,Highland	5 NNE	721	66 S6	80 oct.Ramp;all facs.Data unver.
Rochester	0.5 S	670	78 S1	80 oct. Float; boat.
RHODE ISLAND				
Newport	3 NW	S.L.	Unl	Ramps;buoys;boat.
(N)Quonset Pt.NAS (Providence)	16.5 S	S.L.	Unl L5 S6	91,100 oct. Ramps;all facs. (N).
TEXAS				
(N) Corpus Christi NAS (N)	9.5 SE	S.L.	Unl R1 L3 S5	91,100 oct. Buoys; ramps.
La Porte, Fay Brothers	2 NE	S.L.	Unl S1	No sto. Floats;marine ry;Data unver.
VIRGINIA				
(N) Dahlgren NAF (N)	Adj SE	S.L.	S2	Ramp.
(A) Langley (A)	3 N Hampton	5	105 S2	Dock.Closed during ice period.
(N) Norfolk NAS (N)	6 N	S.L.	123 R1 L1 S6	87,91,100 oct.Ramps; all facs.
(N) Quantico MCAS (N)	1 S	S.L.	180 S4	Buoys; boat; ramp.

AIRPORT-CITY NAME	LOCATION	ELEV.	CLASS	REMARKS
WASHINGTON				
Bellingham	5 ESE	307	158 S2	73 oct. Boat; ramp; winch.
" Lakeside Fly.Svc.	3 E	307	105 S1	73 oct. Buoy; boat.
Bremerton	0.75 E	S.L.	211 S6	80 oct. No sto.Ramps;winch;hoist.
(N) Bremerton NAS (N)	0.5 S	S.L.	Unl S4	Ramp; buoys; haul-out.
Chelan, Air Harbor	0.8 W	1079	Unl S1	73 oct. Boat; beach; ramp.
Coulee Dam	3 ESE	1275	Unl S2	73 oct. Boat;beach;marine ry.
Longview,Sky Harbor	1.3 ENE	5	37 S1	73 oct. Float; beach.
(N) Oak Harbor NAS (N)	0.5 SE	S.L.	Unl R1 S	Fuel,sto,prior req.Ramps;buoys.
Oroville,Dorothy Scott	1.7 N	913	52	Boat; beach.
(CG) Port Angeles CGAS (CG)	2 NNE	13	Unl S4	Ramp; all facs.
Port Townsend	Adj S	S.L.	150 S4	Ltd fuel. Buoys.
Prosser, L & D	1 W	632	76 S1	80 oct. Ramp.100' pole line WSW.
Seattle,Kurtzer Flying Service	In city	S.L.	79 S4	80 oct. Ramps; hoist.
(N) Seattle NAS (N)	6 NNE	36	300 L S6	87-100 oct. Ramps; all facs.
Seattle, Seattle Service	In city	20	53 S2	80 oct. Ramp; boat.
Tacoma, Float Haven	0.7 NE;brdg SSE	S.L.	26 S1	80 oct.Ramp;floats;boat;winch.
Wenatchee	0.5 E	600	53 S1	73 oct. Boat; beach,; ramp.
WEST VIRGINIA				
Charleston,Kanawha Flying School	Ctr of city	586	50 S6	80 oct. Boat;ramp,winch.
South Charleston	W of city	560	Unl S6	80 oct.Boat;ramp;winch.Data unver.
Wheeling	Ctr of city	630	50 S1	87 oct. Boat. Bridges S.
WISCONSIN				
Drummond,Smith Lake	9.5 W		30 S1	80,91 oct. Tie-down;dock;buoy.Data unver.
Madison, Jackson	3 WNW	849	Unl S2	80 oct. Dock; float.
Milwaukee	3 ESE;hwy W	585	185 S6	80,91 oct.
Kingston,Aero Lake(N.Y.)	3.7 SSE;RR W	220	32 S4	80 oct. Trees sur lake.
(N) Anacostia NAS (N) (D. C.)	2.4SE Monument	8	106 S4	87-100 oct.Ramp; all fac prior req.

CAUTION - MANY SEAPLANE LANDING AREAS IN THE NORTH ARE CLOSED DURING WINTER MONTHS BECAUSE OF ICE.

OPERATION OF SEAPLANES ON THE NEW YORK STATE CANAL SYSTEM:

AN OFFICIAL COMPLAINT HAS BEEN RECEIVED FROM THE STATE OF NEW YORK, DEPARTMENT OF PUBLIC WORKS, THAT THE NEW YORK STATE CANAL CHANNEL IS BEING USED FOR THE TAKING OFF AND LANDING OF AIRCRAFT. THIS CHANNEL IS VERY NARROW AND HAS NUMEROUS CURVES. AIRCRAFT LANDINGS AND TAKE-OFFS ON THIS CHANNEL, THEREFORE, ARE DANGEROUS AND PRESENT A HAZARD TO CANAL TRAFFIC AND SMALL BOATS. ALL AIRMEN ARE CAUTIONED THAT SUCH ACTIVITIES MAY CONSTITUTE CARELESS OR RECKLESS OPERATION OF AIRCRAFT.

NOTICES TO AIRMEN

INTRODUCTION

PROCEDURAL STATEMENT: The AIRMAN'S GUIDE no longer has a separate section for the DIRECTORY OF AIRPORTS or the AIR NAVIGATION RADIO AIDS. These two sections are now inserted as data pages between the flight planning charts. To retain the 2-page chart flow, however, the data pages are found on the reverse sides of the charts rather than facing them. On the data pages are tabulated all the data covering the facilities charted on the reverse sides and formerly found in the DIRECTORY OF AIRPORTS and AIR NAVIGATION RADIO AIDS sections. To facilitate reference to a particular facility, an Index of Facility Locations with the parenthetical number of the page on which the locale is charted has been added to the revised AIRMAN'S GUIDE, e.g., Chicago (139). On the back of page 139 will be found the Air Navigation Radio Aids and the Directory of Airports data covering Chicago.

Because of the serious paper shortage every means of reducing the Airman's Guide bulk has been investigated. Codification and considerable abbreviation are already being utilized. No material may be deleted, however, in this paper conservation program because surveys have revealed that subscribers consider all parts of the Guide essential. Consequently, about the ultimate step in this bulk-reduction direction has just been taken. The data pages backing the charts now serve, where possible, as notam pages. Resultantly, most of the new data formerly notamized in the Notices to Airmen section with prefixed large stars or double asterisks are no longer carried in that section. Only commissionings, abandonments, or changes so potentially hazardous that they are indicated with (R) (for red flag) symbols on the charts, are now cited in the Notices to Airmen section.

Notamizing on the data pages is effected by the use of prefixed arrows as in the former Air Navigation Radio Aids publication. All changes from the previous issue, whether cited in the Notices to Airmen section or not, are indicated by the prefixed arrows. Following are examples of changes notamized only on the data pages: field obstruction, servicing, elevation, location, and runway length changes. Because of the use of the prefixed arrows as new data indicators, a further innovation had to be adopted. This is a heavy black horizontal line device.

Space below the heavy black horizontal lines on the data pages has been reserved as a supplement for new radio aids and airports whose data were received after the data pages were originally typed. Revisions to existing airports and radio aids are super-imposed on the old data, but new airports and radio aids are listed, necessarily out of alphabetical alignment, below the heavy black horizontal lines until the page is re-typed.

In summation: (a) on the data pages backing the charts, new data or revisions are indicated by arrows; (b) in the Notices to Airmen section, citations covering new or revised radio data are prefixed by one large star "★". Citations covering new or revised airport, or miscellaneous data are prefixed by two asterisks "**".

All temporary conditions (field soft, runway under construction, range course out of alignment, etc) are cited in full until they are no longer in effect. When a citation carries a permanent item and a temporary item, the permanent item is underlined. Parenthetical date at end of item indicates time item was reported.

To conform to chart practice, all facility data are listed in the Notices to Airmen section and on data pages alphabetically by states and by facility name. Thus, an airport will be found listed alphabetically under its own name rather than under its locale's name. If the airport or radio facility name is other than that of the city in which it is located, the location is shown in parenthesis after the facility name.

CIVIL FACILITY DATA: Please advise immediately the Office of Aviation Information, Attention A-250, CAA, Department of Commerce, Washington 25, D. C., whenever temporary conditions covering civilian airports or navigational aids begin or terminate, data revisions are effected, or flight hazards are erected or removed.

SPECIAL NOTICES

ARMY DATA: Advice covering Air Forces Fields or Air Forces Operations on civilian fields, or AAF Radio Facilities, and Danger or Caution Area activation, as well as requests for approval for the closing of any army airfields to transient military aircraft for a period in excess of ten days should be directed to: COMMANDING GENERAL, AIR TRANSPORT COMMAND, WASHINGTON 25, D.C. ATTENTION: HEADQUARTERS FLIGHT SERVICES, FLIGHT OPERATIONS. Information to be published will be coordinated and submitted to the C.A.A.

NAVY FACILITY DATA: In accordance with Hydrographic Office Memorandum for Aviations No. 9, July 29, 1946, Hydrographic Office information concerning naval and marine corps air stations and facilities, including changes in field facilities, operation rules, air ground communications facilities, instrument approach procedures and navigational aids, should be directed to: The Division of Air Navigation, Hydrographic Office, Washington 25, D. C., for transmittal to the Civil Aeronautics Administration. In accordance with Aviation Circular Letter #96-46 of June 13, 1946, approval for the closing of any naval or marine corps air station or facility to transient military aircraft for a period in excess of 10 days must be obtained from the Chief of Naval Operations. Also, approval is to be obtained from the Chief of Naval Operations before relocation or modification of any aid to air navigation, such as reorientation of radio ranges.

POLICY ON ARMY USE OF TEMPORARILY INACTIVE ARMY AIR FIELDS: 1. Municipal airfields which have been used jointly by the Army Air Forces and civil interests and at which Army facilities are temporarily inactive but the civil facilities are still active, may continue to be used by military aircraft. No servicing other than that provided by commercial concerns will be available. Such airfields will be identified herein by the following notice: "Army temp inactive - civil facs". 2. Temporarily inactive Army airfields used exclusively by the Army Air Forces (either owned or leased) or municipal airfields used jointly by the Army Air Forces with civil interests at which both Army and civil facilities are inactive will be available to military aircraft on official business only under written orders of an air force, command or higher authority. Individual orders for each flight rather than blanket authority is desired. Such airfields will be identified herein by the following notice: "Temp inactive - no facs. (see Special Notice re use)". Operation of Air Transport Command hospital evacuation aircraft will not be limited in any respect by above policy. Above policy statement is not to be construed as countermanding any AAF regulations or letters governing command use of municipal airports or Army airfields.

"OFFICIAL BUSINESS" AS APPLIED TO AAF: The term "official business", within the meaning of AAF Regulation 85-2, is interpreted as the necessity for personnel aboard an aircraft to contact personnel, units or organizations at or near the airfield selected for landing for the purpose of conducting transactions in the service of, and in the interest of, the United States Government. This does not include the use of an airfield by transient aircraft for the purpose of obtaining aircraft clearance, service, or other items attendant with itinerant operations. Cross country flights for the purpose of maintining flying proficiency are not considered to be official business within the meaning of this regulation.

AIRPORTS AVAILABLE FOR USE BY MILITARY AIRCRAFT: The attention of Army clearance personnel and of Army pilots is invited to provisions of Section III of Army Air Forces Regulation 85-2, which states in part: "The use by Army aircraft of private airports which have not been leased, purchased, or otherwise acquired by the

✓ Indicates new or revised Special Notice.

Federal Government is unauthorized except in case of emergency or for official visits authorized by an Air Force or Command". This Regulation further states "AAF transient itinerant aircraft may utilize: (a) Government or DLA (development landing area) type airports, subject only to such restrictions as may be listed from time to time in Weekly Notice to Airmen . . . (b) Private airports when legal permits for their limited use are procured by, and filed with the real estate agency of the War Department...". Reference to the AAF Installations Directory, and to the Data Pages as well as the Notices to Airmen section of the Airman's Guide should be made in case of doubt as to the proper use of fields. On the Data Pages, all AAF installations are designated by the prefix (A), Navy by (N) and DLA by (P).

✓ CHANGES IN LISTING PROCEDURE FOR ARMY AIR FORCE AIRFIELDS: In an effort to simplify the use of Airman's Guide within the printing limitations imposed by the Government Printing Office, notices on Army airfields that are closed or temporarily inactive or surplus to Army Air Forces will be carried in the Directory of Airports section thereby eliminating the necessity for checking in more than one section to obtain the correct status of an airport. Minor restrictions such as hours of operation, service, and hazards will continue to be listed in the Notices to Airmen section. The following procedure has been placed in effect in this issue:

(a) The term "CLOSED" will be shown in the Directory section only, for all AAF airfields that are closed to all transient traffic except on official business or in emergency. The legend page of the Directory will give such a definition for "CLOSED". Airports that have been declared surplus to the AAF and on which permits have not been issued for civil use or which have not been otherwise disposed of by the W.A.A. will also be listed as "CLOSED".

(b) AAF airfields that now carry notices of "Army temp inactive - civil facs" or "Temp inactive. No facs. (See Special Notice re use)" will now have such citations in the Directory section only.

✓ RESTRICTION ON FLIGHT OF AAF AIRCRAFT IN NEW YORK CITY AREA: No AAF aircraft except those on scheduled transport operations will be cleared to New York City Area unless point of first intended landing is Mitchel Field, Hempstead, L.I., N.Y. When instrument conditions prevail in New York City Area, no Army aircraft except those on scheduled transport operations will land at or take off from other than Mitchel Field. When contact conditions prevail in New York City Area, aircraft which have been cleared for Mitchel Field but which desire to land at other authorized fields in New York City Area will, when approaching New York City Area, obtain clearance from Olmsted Flight Service Center through normal communication means. For purposes of these instructions, New York City Area is defined as a circle 50 miles in diameter centered on southern tip of Manhattan Island. Contact weather New York Area will be considered to be 2000' ceiling, 3 miles visibility, both day and night. When cloud conditions exist below 2000', flight conditions will be considered IFR.

MILITARY AND NAVAL LANDINGS IN NEWFOUNDLAND: All military and naval aircraft landing in Newfoundland should use Harmon Field at Stephenville or Naval Operating Base at Argentia. Gander has very limited military facilities and is reserved for commercial and weather diverted military aircraft.

✓ RESTRICTIONS ON AAF HELICOPTERS: YR-5A, R-5A, YR-5D, R-5D (except as indicated below*) and YR-5E helicopters may be released for flight only upon compliance with TO 01-230 HB-13 and -14.

*R-5D helicopters No. 43-46643 and subsequent have been modified by the contractor and may be released for flights.

ARMY FOREIGN CLEARING STATIONS: Under the authority of AAF Regulation 61-4, Army aircraft with destinations listed below or returning therefrom to the United States will clear through the stations indicated: AFRICA - Morrison Fld.Fla.,Washington National Airport, D.C.; or Westover Field, Mass. ALASKA - McChord Field, Wash.; Great Falls AAF, Mont. BERMUDA - Mitchel Field, N.Y.; Morrison Field, Fla.; Washington National Airport, D.C.; or Westover Field, Mass. CANADA - Great Falls AAF, Mont.; McChord Field, Wash.; Washington National Airport, D.C.; Selfridge Field, Mich.; or Westover Field, Mass. CANAL ZONE, CENTRAL AMERICA, MEXICO, AND SOUTH AMERICA - March Field, Calif.; Kelly Field, Tex.; or Morrison Field, Fla. CARIBBEAN - Morrison Field, Fla. ENGLAND, GREENLAND, ICELAND, NOVA SCOTIA, NEWFOUNDLAND, AND NORTH IRELAND - Washington National Airport, D.C., and Westover Field, Mass. (Note: Selfridge Field also will clear for Nova Scotia and Newfoundland). HAWAII - Fairfield-Suisun AAF, Calif.

✓ OPERATING PROCEDURE WITH FLIGHT SERVICE UNDER AAF MILITARY FLIGHT SERVICE COMMUNICATIONS SYSTEM (PLAN 62): 1. Departure from AAF Bases. No change. Reference: AAF Regulations 15-23 and 60-22. 2. Departure from non-AAF Bases. AAF aircraft departing from non-AAF bases will file a complete flight plan with, and secure approval from, the nearest Flight Service Center prior to takeoff, or as outlined in AAF Regulation 60-22. Communications with a Flight Service Center may be established by direct telephone to the center; or by a radio call to the nearest AAF Base or AACS airways radio station. In addition to the Flight Service clearance, pilots contemplating flight under Instrument Flight Rule conditions will secure a CAA Airway Traffic Control clearance. The CAA clearance normally can be obtained more rapidly by contacting CAA direct through CAA Communication facilities. If Civil Aeronautics Administration Communication facilities, however, are not available, the C. A. A. clearance may be obtained through Flight Service. 3. Change of Contact Flight Rule (CFR) Flight Plan Enroute. AAF aircraft requiring a change of route or point of first intended landing of a CFR flight plan enroute will contact Flight Service through an AACS Airway radio station or control tower, submit the information required by AAF Regulation 60-22 and, when necessary, secure Flight Service approval. 4. Change of Instrument Flight Rule (IFR) Flight plan, or CFR to IFR, or IFR to CFR enroute. AAF aircraft requiring a change of route, altitude, point of first intended landing, cruising speed or alternate airport, or change from CFR to IFR or IFR to CFR enroute, will contact a CAA communications station for coordination and approval by CAA Airway Traffic Control and Flight Service. If communications with CAA communications station cannot be established, AACS airways radio station will be contacted for coordination and approval by CAA Airway Traffic Control and Flight Service. 5. CFR Position Reports. When flying under CFR conditions, pilots will make position reports, wherever practicable, to AACS Airway radio stations enroute and receive any necessary advisories from Flight Service. 6. IFR Position Reports. When flying under IFR conditions, pilots will first make position reports to CAA communications stations as heretofore required, and will then make position reports to AACS airways radio stations in order that the responsible Flight Service Center may furnish any necessary advisories. 7. Voice Calls. AACS airways radio stations will be called by the location name followed by the word "airways", such as "Bolling Airways". This is distinct from the CAA radio call system which uses the location name followed by the word "radio", such as "Washington Radio". 8. All VHF equipped aircraft will be provided with a card to be prominently mounted near the VHF control box which will specify button, frequency, and service obtainable. An index to AACS airways stations within the U.S., together with a listing of the assigned frequencies, may be found on pages 94 and 95 of TO 08-15-1. The following table displays the channels and frequencies normally used to contact the various communication installations:

Button	Frequency	Service
A	116.10 mc.	CAA-AIRWAYS (RANGE STNS) *AACS Airways (Plan 62)
B	126.18 mc.	CONTROL TOWERS
C	137.88 mc.	AACS AIRWAYS (PLAN 62) *Control towers.
D	140.58 mc.	MILITARY EMERGENCY & GCA FINAL APPROACH CONTROL.

*Available for service indicated on a secondary basis.

9. It will be some time before all AAF aircraft are equipped for operation on AACS Airways frequencies. It is not the intent that pilots flying aircraft not so equipped attempt to make position reports to Flight Service as described above. Emergency Flight Service advisories, however, may be transmitted to such aircraft on the AAF control tower frequency. Aircraft which are equipped for operation on AACS Airways frequencies will contact airways stations whenever possible rather than AAF control towers.

10. The following list of telephone numbers will be used for contacting military Flight Service Centers:

CAA Area	Flight Service Area	Phone No.
Washington Pittsburgh New York Boston	Olmsted Flight Service Center Middletown, Pa.	Steelton 93387 Steelton 93470
Jacksonville Miami	MacDill Flight Service Center Tampa, Fla.	H-4671
Memphis New Orleans Atlanta	Maxwell Flight Service Center Montgomery, Ala.	Montgomery 89
Detroit Cincinnati St. Louis Chicago	Wright Flight Service Center Dayton, Ohio	Osborn 88691, Osborn 88692
Fort Worth San Antonio	Ft.Worth Flight Service Center Fort Worth, Tex.	Fort Worth 77251
Denver Minneapolis	Lowry Flight Service Center Denver, Colo.	Dexter 1553 Dexter 1554
Los Angeles Albuquerque El Paso	March Flight Service Center Riverside, Calif.	Riverside 7107 Riverside 7108
Oakland Salt Lake	Hamilton Flight Service Center San Rafael, Calif.	San Rafael 5800 Text 2165 or 2167
Great Falls Seattle	McChord Flight Service Center Tacoma, Wash.	Lakewood 3324

STANDARD NAVY GROUND CONTROL APPROACH FREQUENCY ASSIGNMENTS: Allocations of frequencies, both HF and VHF, for Navy GCA use have been coordinated with the AAF. Universal frequencies allocated primarily for Navy GCA operational use are as follows: HF Communications - 3475,4890,6640 kcs.; VHF Communications - 134.64,142.92,143.64 mcs. As a safety precaution, Navy GCA Units will also be prepared to control aircraft on 140.58 mcs., the Navy emergency frequency. To provide a means whereby Navy aircraft may receive assistance from Army GCA Units and vice-versa, the following agreement will govern: (a) Army GCA Units will at all times be prepared to control Navy Aircraft on 140.58 mcs. (b) Navy GCA Units will be prepared to control AAF aircraft on 140.58 mcs. It is the responsibility of the pilot desiring GCA assistance to establish communication with the appropriate control tower for preliminary approach instructions. The pilot will then be instructed as to the proper frequency for contacting the GCA Unit. Navy GCA Operational Units are located as follows: Whidbey Island NAS, Wash., Charlestown NAAS, R.I.; Oakland NAS, CALIF.; Miramar MCAS, Calif.; Seattle NAS, Wash.; Olathe NAS, Kans.; Oceana NAAS, Va.; Patuxent River NAS, Md.

LORAN DATA: Loran is a long range electronic navigational aid utilizing pulse techniques. It provides accurate fixes for the user within 1 per cent of his distance from the stations. Loran service is provided continuously twenty-four hours a day. Loran operates on fixed frequencies of 1750, 1850 and 1950 kilocycles. To use Loran it is required that a Loran receiver-indicator be employed and that suitable charts and tables be available to the navigator. The following is a list of Coast Guard and Canadian Loran rates presently in operation: Atlantic: 1L-0,1L-1,1L-2,1L-3,1L-4,1L-7,1H-1 1H-2, 1L-1; West Coast U.S.: 2H-4, 2H-5, 2H-2; Aleutian Area: 1L-0, 1L-2; Central and Western Pacific: 2L-0,2L-1,2L-2,2L-3,4H-2,4H-3,4H-4,4H-5,1L-6,1L-7. Information regarding Loran coverage,rates,frequency, etc., throughout the world is contained in the Catalog of Loran Charts and Service Areas, Hydrographic Office Publication No. 1-L. This publication may be obtained from Hydrographic Office agents located in various cities in the United States or from the Hydrographic Office, Washington, D.C., at a cost of 30 cents. Complete Loran tables are contained in Hydrographic Office Publication Series No. 221, which can be obtained from the same sources at a cost of $3.00 per volume. Loran charts may be similarly obtained. Hydrographic Office Circular No. 3 and the Hydrographic Bulletin (issued weekly) give a list of these agents mentioned above and may be obtained without charge from the Hydrographic Office or any Branch Hydrographic Office. Information on changes or interruptions in Loran service of a temporary nature is sent to CAA for dissemination. Inquiries of an operational nature regarding Loran may be addressed to the Commandant (OAN), U.S. Coast Guard, 1300 E Street,N.W. Washington, D. C.

FOREIGN ENTRY PROCEDURES: Every U.S. citizen traveling abroad, except to Canada, Mexico, Alaska, Hawaii, Puerto Rico, and the Virgin Islands, requires a passport. The following procedures are necessary in order to gain entry, with intention to land, in Canada and Mexico:

CANADA: 1. All departures from the U.S. must be made from Airports of Entry (see next item). 2. If landing is to be made at a designated Canadian Airport of Entry, notice should be telephoned or telegraphed to the collector of customs at the predetermined point of entry when clearing U.S. Customs. 3. If entry is planned at a field other than a customs airport, arrangements should be made with the Secretary, Customs Division, Department of National Revenue, Ottawa, at least 10 days in advance. 4. Pilots and aircraft must be properly certificated and general observance of Canadian air regulations is required. 5. The following is a list of all Canadian Customs Airports of Entry: Whitehorse, Y.T.; Vancouver, B.C.; Calgary, Alta.; Lethbridge, Alta.; Moose Jaw, Sask.; Winnipeg, Man.; Ottawa, Ont. (Island or Malton); Hamilton, Ont.; Windsor, Ont.; Montreal, P.Q. (Dorval); Fredericton, N.B.; St. John, N.B.; Regina, Sask.

MEXICO: Applications for permits may be filed with the nearest Mexican consul who charges a fee of $4.00, or directly with the Department of Civil Aeronautics, Mexico City, Mexico, without charge. The permit will be sent directly to the Airport of Entry named in the application, unless the applicant specifically requests that it be sent to his home address. If entry is to be made from Brownsville, Tex., permission may be received from Representative of Mexican Ministry of Communication and Public Works, Department of Civil Aeronautics, Rio Grande Valley International Airport, Brownsville, Texas. All departures from the U.S. must be made from Airports of Entry. (see next item).

AIRPORTS OF ENTRY: Customs clearance into or out of the U.S. must be secured at Airports of Entry. Since there is insufficient traffic at most of these fields to justify resident customs personnel, advance notice must be sent to the Deputy Collector of Customs of the city in which the Airport of Entry to be used is located. The notice should state the day and approximate hour of exit or entry. Following are the Airports of Entry: International Arpt, Douglas, Ariz.; Nogales International Arpt, Ariz.; Calexico, Arpt, Calif.; Lindbergh Field, San Diego, Calif.; Meacham Fld, Key West, Fla.; Dinner Key Seaplane Base, Miami, Fla.; Miami International Arpt, Fla.; Midet Seaplane Base, West Palm Beach, Fla.; Caribou Arpt, Me.; Presque Isle Arpt, Me.; Detroit City Arpt.; Mich.; Romulus AAF, Mich.; Sault Ste Marie Arpt, Mich.; Williamson-Johnson Fld, Duluth, Minn.; Duluth Boat Club Seaplane Base; Minn.; Cut Bank Airport, Mont.;

Great Falls Arpt, Mont.; Havre City-County Arpt, Mont.; Albany Arpt, N.Y.; Buffalo Arpt, N.Y.; Malone-Dufort Arpt, N.Y.; Massena Arpt, N.Y.; Ogdensburg Arpt, N.Y.; Ogdensburg Seaplane Base, N.Y.; Rochester Arpt, N.Y.; Rouses Point Seaplane Base, N.Y.; Watertown Arpt, N.Y.; Grand Forks Arpt, N.D.; Pembina Arpt, N.D.; Portal Arpt, N.D.; Cleveland Arpt, Ohio; Hinde Arpt, Sandusky, Ohio; Put-In-Bay Arpt,Ohio; Eagle Pass Arpt, Tex.; El Paso Arpt, Tex.; International Arpt, Brownsville, Tex.; Warren R. Austin Arpt, Swanton, Vt.; Bellingham Arpt, Wash.; Burlington Arpt, Vt.; City-County Arpt, Port Townsend, Wash.; Felts Fld, Spokane, Wash.; King County Arpt-Boeing Field, Seattle, Wash.; Lake Union Seaplane Base, Seattle, Wash.

CUSTOMS REPORTS: In making flights TO or FROM a foreign country, civil fliers are required to report to a customs officer. If they do not report, they are subject to a civil penalty of $500.00 for each violation, and any aircraft used in connection with any such violation is subject to seizure and forfeiture, as provided for in the customs laws. On flights from foreign territory, the first landing in the United States is required to be made at an Airport of Entry, unless permission to land elsewhere than at an airport of entry is granted by the Commissioner of Customs, Washington 25, D.C. Consult the nearest customs officer before making foreign flights.

U .S. CIVIL AIRCRAFT CLEARANCE FOR FOREIGN COUNTRIES: Although the CAA does not require special permission for the flight of U.S. aircraft abroad, or for the delivery of aircraft exported to foreign countries all aircraft must be registered and certificated as to airworthiness, and pilots must hold appropriate U.S. pilot certificates. The single exception to the above is: Special permission must be obtained from the Director, Aircraft and Components Service, CAA, Washington, D.C., for any flight into or through the Panama Canal Zone. In general, permission must be secured from foreign countries for the conduct of scheduled or non-scheduled operations from the U.S. Specific information may be secured from the Aviation Division, State Department. All air carriers must secure operating certificates from the CAA and their operations must be in conformance with these certificates. Although there are no Federal taxes on the exportation of aircraft from the U.S., it is mandatory that a license for such export be obtained from the State Department.

CANADIAN REGULATIONS FOR CFR FLIGHTS: (a) It is compulsory for pilots desiring to conduct a CFR flight to file a flight plan unless the flight will be made within a radius of 25 miles of the point of departure. (b) Arrival messages must be filed by pilot on all such CFR flights.

CANADIAN INSTRUMENT FLIGHT RULE FLIGHT: Pilots are cautioned to conform to the requirements of CAR 60.2 where flight is proposed to be conducted under Instrument Flight Rules from the United States into air traffic control areas designated in Canada. Failure to adhere to these regulations may result in detention of pilots concerned by Canadian Authorities.

PANAMA CANAL ZONE, FLIGHT INTO: Prior to take-off from any aerial port of embarkation of any aircraft flight into, or through, the 200 mile area blanketing the Canal Zone, Commanders of Military Aircraft will notify the CG 6th Fighter Wing, Attention: Fighter Controller, by an information copy of their flight plans. With a view to safety and protection of their equipment and personnel, operators of all other aircraft should follow the same procedure. Responsibility for this notification of flight plans lies with the operator, but notification will normally be transmitted by the clearance authority at the point of departure.

SAN JUAN, P.R., PRE-FLIGHT CLEARANCES: The Isla Grande Airport at San Juan, Puerto Rico, is a part of the U.S. Naval Air Station, San Juan. Commercial air carriers may not operate at this field without receiving specific authorization from the Chief of Naval Operations, Washington, D.C. The Commanding Officer NAS, San Juan, may grant permission for one or two isolated landings. In any case, proper authority must be obtained prior to landing at San Juan. Privately owned aircraft in a ferry status must obtain permission from the commanding officer before landing at Isla Grand Airport.

CARIBBEAN AREA-RADIOBEACONS FOR USE WITH ADF: The following Coast Guard Radiobeacons now operate continuously in their assigned sequence, i.e., one minute on, two minutes off, 24 hours daily:

II San Juan 296 . - . . Lat 18-24-14 N, Long. 66-07-03 W
I Goat Island (Jamaica) 304 . . - . Lat 17-53-00, Long. 77-04-14 W
I Trinidad 308 - - - . Lat 10-41-23 N, Long. 61-44-44 W

It is requested that all ships and aircraft using these beacons submit comments to the Commander, 10th Coast Guard District, Arsenal, Marina, San Juan, P.R., as to usefulness with ADF equipment, bearing accuracy obtainable, maximum usable range, ease of identification, etc.

✓ DISCONTINUANCE OF CERTAIN OR ALL OPERATIONS AT CAA COMMUNICATIONS STATIONS: (A) The following CAA communications stations will discontinue all operations (all voice or code communications, weather reporting service, radio receiving watches), except radio range or homing facilities (all H and MH facilities will operate continuously without voice), on the following dates:

McCool, Ind., 12-28-46; Houlton, Me., 1-12-47; Lebanon, N.H., 1-12-47; Dansville, N. Y., 1-12-47; Dunkirk, N. Y., 1-12-47; Glens Falls, N. Y., 1-12-47; Ashley, N.D., 12-28-46; Archbold, Ohio, 12-28-46; Brookville, Pa., 1-12-47; Sunbury,Pa., 1-12-47; Wilkes Barre, Pa., 1-12-47; Providence, R.I., 1-12-47; Alice, Tex.,12-18-46; Clarendon, Tex., 12-18-46; Palacios, Tex., 12-18-46; Yoakum, Tex., 12-18-46; Danville, Va., 1-12-47; Montpelier, Vt., 1-12-47; Morgantown, W.Va., 1-12-47.

(B) The following CAA Communications Stations will be shut down and all facilities discontinued on the following dates:

Evergreen, Ala., 12-15-46; Strevell, Idaho, 12-15-46; Milroy, Ind., 12-28-46; Lamoni, Iowa (T), 1-1-47; Montezuma, Iowa, 1-1-47; Cassoday, Kans., 1-1-47; Coffeyville, Kans., 1-1-47; Warsaw, Ky. (T), 12-28-46; Cadillac, Mich., 12-28-46; St.Ignace, Mich., 12-28-46; Lake City, Minn., 12-28-46; Big Spring, Nebr., 1-1-47; Overton, Nebr., 1 -1-47; Anton Chico, N. Mex., 12-18-46; Socorro, N.M., 12-28-46; Golva, N.D.,12-28-46; Cherry Fork, Ohio, 12-28-46; Port Clinton, Ohio, 12-28-46; Anderson, S.C., 12-15-46; Lane, S.C., 12-15-46; Philip, S.D., 1-1-47; Spearfish, S.D., 1-1-47; Navasota, Tex.,12-18-46; Sulphur Springs, Tex., 12-18-46; Stevenson, Wash., 12-9-46.

N.B. Weather teletype reports will continue to be available at the following stations from Weather Bureau personnel: Stevenson, Wash.; Anniston, Ala.

GUARDING OF 3117.5 KCS BY CAA AIRWAY COMMUNICATIONS STATIONS: All airway communications stations located at points also served by CAA airport traffic control towers discontinued continuous listening watches on 3117.5 kcs. Hereafter, communications stations at these locations will establish watches on 3117.5 kcs. upon "request" and during such hours as the associated tower is closed.

✓ NEW PRIVATE FLIER FREQUENCIES: About Jan. 1, 1947, or shortly thereafter all CAA Communications Stations will begin to guard 122.1 mcs and CAA operated towers 122.5 mcs. These are the new frequencies assigned for private fliers' use for air/ground communications. Jan. 1, 1947, the guard on 131.9 and 131.7 mcs will be discontinued.

PRE-FLIGHT SERVICE: Pilots desiring to file flight plans are requested to do so with any CAA Airway Communications Station by personally visiting the station or by telephone. Radio should be used for filing flight plans only as a last resort. Pilots are urged to visit communications station to obtain authentic flight information and assistance in planning their flights. Personnel at these stations are trained to render flight planning assistance. An objective of CAA pre-flight service is to encourage pilots to familiarize themselves with flight conditions prior to commencing cross country flight.

NEW YORK OCEANIC AIR TRAFFIC CONTROL PROCEDURES: For the information of those agencies intending trans-oceanic operations in the New York Oceanic Control Area and which are not in possession of PICAO manuals for procedures the following is promulgated: The New York Oceanic Airway Traffic Control Area has been activated in accordance with PICAO directives and New York Oceanic Traffic Control Operations Letter No. 1.

This area is bounded on the N by the 43rd parallel, on the E by the 45th meridian, on the S by the 30th parallel, on the W by a line paralleling the E Coast of the U.S. 100 nautical miles off-shore.

All aircraft operating therein must do so under an approved instrument flight plan, the composition of which follows: aircraft registration, aircraft radio call, type of aircraft, person in command, point of departure, cruising altitude, route of flight, point of first intended landing, proposed true airspeed, transmitting and receiving frequencies, proposed or actual departure time, estimated elapsed time to arrival point, alternate airdrome, amount of fuel in pounds, any other pertinent data deemed necessary for control purposes. Flight plans shall be addressed to New York Ocean Control (preferably through WSY, New York) prior to entering this area.

Position reports transmitted by radiotelegraphy will be composed in the following abbreviated form: the position will be determined as soon as practicable after the first hour of flight and each hour thereafter, and the reports transmitted to the ground station at the earliest opportunity. Standard position reports shall be in the following form: U G G G G Q L L L L Long Long Long Long PD Fox Charlie Tare 1 Tare 2 Tare 3 and Sugar 1 Sugar 2 Sugar 3 How 1 How 2 How 3 Fox 1 Fox 2 Fox 3 Fox 4 Fox 5.

Position report code Uncle, indication by one figure of the system of units utilized according to the following: zero for metric system five for English system, George indication of time given in hour figures based on GMT. Queen indication by one figure of octane in which aircraft is situated according to the following: N lat zero equals 0° to 90°; W one equals 90° W to 180°; two equals 180° to 90° E; three equals 90° E to 0°; S lat five equals 0° to 90° W; six equals 90° W to 180°; seven equals 180° to 90° E; eight equals 90° E to 0°. Love indication of lat. in four figures (degrees and minutes); long. indication of longitude in four figures (degrees and minutes) dropping hundredths degrees. Peter Dog indication by one figure of means used to determine the position according to the following: one equals dead reckoning; two equals single position line; three single radio bearing position line; four equals radio fix; five equals celestial fix; six equals visual or ground fix; seven equals Loran or console fix; eight equals radar fix George Easy Easy; nine equals celestial and radio fix. Fox Charlie indication by one figure, flight conditions according to the following: zero equals visual flight rule at all levels; one equals visual flight low clouds; two equals on top; three equals between layers; four equals medium icing; five equals heavy icing; six equals in and out of clouds twenty five percent IFR; seven equals ditto fifty per cent IFR; eight equals in and out of clouds seventy-five per cent IFR; nine equals continuous IFR. Tare one, tare two, tare three indication of true track in degrees given in three figures. Tare one equals hundredths; tare two equals tenths; tare three equals single unit. Sugar one, sugar two, sugar three indication of ground speed in three figures, sugar one in hundredths; sugar two equals tenths; sugar three equals single unit. How one, How two, How three indication of altitude in three figures. How one equals ten thousands of feet or thousands of meters; How two equals thousands of feet or hundreds of meters; How three equals hundreds of feet or tenths of meters. Fox one, Fox two, Fox three, Fox four, Fox five weight of fuel used given in five figures. Fox one equals ten thousands; Fox two thousands; Fox three hundredths; Fox four equals tenths. Fox five equals single units. Units to be used ground speed metric system kilometers per hour, English system knots; altitude: metric system tenths of meters. English system hundreds of feet; weight of fuel; English system pounds.

Example message: "Zero one four one five zero three zero four five five three three zero seven two two nine zero three two five one two five zero two four five zero", meaning "at one four one five GMT, position lat. thirty degrees forty five minutes N, long. 53° 30' W Loran or Console determined position - on top - true track 290° - groundspeed 325 M.P.H. - altitude 12,500' - weight of fuel used 2450 lbs."

Position reports should be addressed to New York Ocean Control. Position reports transmitted by radio telegraphy should be directed to WSY if possible. If military aircraft are not equipped to transmit on PICAO frequencies to give their position, reports will be directed to a military air/ground station suitably equipped to relay messages to New York Ocean Control. Publications outlining PICAO procedures for air navigation services are available in Publications and Document Section, Dominion Square Building, Montreal, Canada. New York Oceanic Traffic Control Operations Letter No.1, available New York Airway Traffic Control Center, La Guardia Field.

All flights operating in the New York Oceanic Control Area will be cleared at the following altitudes: Magnetic headings of from 0° to and including 179°, odd thousand foot levels. Magnetic headings of from 180° to and including 359°, even thousand foot levels.

NEW YORK OVERSEAS FOREIGN AERONAUTICAL STATION: Effective Dec. 4, 1946, the broadcast of navigation reports by WSY changed times of transmission and added the frequencies as follows: at 0200, 0400, 0600, 0800, 1000 and 1200 GMT broadcast is made simultaneously on 3380, 8720 and 12395 kcs. At 1400, 1600, 1800, 2000, 2200, and 2400 GMT, broadcast will be made simultaneously on 3380, 5960, 8720, 12395 and 16250 kcs. Form and contents of broadcast remain unchanged. Concurrently, the hourly metar and notam broadcast are transmitted at 55 minutes past each hour between the hours of 0055 through 1155 GMT on 3380, 8720, and 12395 kcs. and between the hours of 1255 and 2355 GMT on 3380, 5960, 8720, 12395, and 16250 kcs. Contents of the metar and notam broadcast remain unchanged. The broadcast at 25 minutes past each hour was discontinued. Comments concerning the effectiveness of the above services will be appreciated.

AIRPORT APPROACH ZONES AND AIRPORT TRAFFIC ZONES CFR MINIMA: Part 60 specifies that CFR traffic within Airport Traffic Zones or Airport Approach Zones must maintain 500' vertical and 2000' horizontal separation from the clouds unless given traffic clearance by the control tower or control center concerned. Even under such clearance CFR flights must remain clear of clouds. These airport traffic zones and airport approach zones are indicated on the Flight Planning Charts of the Airman's Guide, and all recently revised Coast and Geodetic Survey Aeronautical Charts. In the interest of safety CFR flights must maintain the 500' and 2000' minima specified above while in these circular charted zones. (See page VIII of this publication for air traffic control procedures and weather minima).

NOTICE TO ALL FLYING PERSONNEL: Because of the increase in aircraft operations, both civil and military, in recent months, the number of complaints regarding airplane noise nuisance has reached such proportions that the advancement of aviation and development of new airports are in danger of being severely retarded. To reduce the number of such complaints, it is requested that the following practices be put into effect by all fliers:

1. Discontinue all unnecessary low flying.
2. When weather and traffic volume permit, increase altitudes of all traffic patterns that require flight over inhabited areas.
3. Re-route channels of approach and departure to avoid residential and business districts whenever possible.
4. If the airport is located near inhabited areas, reduce power and increase pitch

of propellers as quickly as possible during take-off so as to keep engine and propeller noises at a minimum.

5. Keep rpm's set at a minimum required operational setting when low flying over populated areas is necessary.

CIVIL USAGE OF MILITARY FIELDS: Army and Navy fields are open to civil fliers only in emergency or with prior permission of the commanding officers thereof.

PERSONAL POSSESSION OF PILOT CERTIFICATES: Effective Feb. 15, 1947, Part 43.400 of the Civil Air Regulations will be amended to read as follows: 43.400 Pilot Certificates. No person shall pilot a civil aircraft within the United States unless he holds a valid pilot certificate with appropriate ratings issued by the Administrator or an appropriate and valid foreign pilot certificate. Such certificate shall be in the personal possession of the pilot at all times while piloting aircraft and shall be presented for examination to any inspector of the Administration or State or local law enforcement officer upon the request of such inspector or enforcement officer.

LOW FLIGHT OVER FUR RANCHES: Numerous complaints have been received regarding low flying over fur ranches. This low flying, especially during mating season, has resulted in very definite dollar and cents losses to fur breeders. They request that pilots avoid flying over their ranches, particularly at low altitudes, stating that the ranches can be identified by the large number of small animal inclosures or pens.

LONG DISTANCE DOMESTIC SCHEDULED AIR CARRIER OPERATIONS: Special Civil Air Regulation 361-A has been amended by extending it until June 15, 1947. The Regulation follows: Flights of scheduled air carriers while at altitudes in excess of 12,500' above sea level E of long. 100° W and 14,500' above sea level W of long. 100° W shall comply with the applicable provisions of the Civil Air Regulations except as follows:

(a) Such flights need not comply with the requirements of Part 60.22 Right-side traffic, Part 61.731 Deviation from Airway, or any other sections of Parts 40 and 61 concerning civil airways.

(b) Such flights need not comply with the requirements of Part 60.252 Traffic clearance, Part 60.253 Communication contacts, and Part 61.602(c) Weather Reports, except to the extent which the Administrator may prescribe.

(c) Each first pilot engaged in these operations shall be qualified for the route if he is qualified for operations over any regular authorized route for the air carrier involved between the regular terminals for such operation.

(d) Each dispatcher who dispatches aircraft on flights authorized by this regulation shall be qualified under Part 61.533 of the Civil Air Regulations for operation over an authorized route for the air carrier involved between the regular terminals of such operations: Provided, that when he is qualified only on a portion of such route he may dispatch aircraft only after coordinating the dispatch with dispatchers who are qualified for the other portions of the route between the points to be served.

AERONAUTICAL CHART AND PUBLICATION CORRECTIONS: (a) Correct Flight Chart 217, dated Sept. 13, 1946, by changing the S leg of Memphis, Tenn. radio range from 259° to 359°.

(b) Correct aeronautical charts to show 269 kcs. as the transmitting frequency of the Bridgeport Conn. control tower; Birmingham Sectional Aeronautical Chart, dated Oct. 2, 1946, by deleting the Fairburn, Ga. (auxiliary symbol) Airport at lat. 33°33', long. 84°38';

(c) Correct TO-08-15-3, page 138, by showing the contact course from Washington National Airport to Andrews Field as 114°; Chart 63, by showing the South Plains AAF, Texas Tower guarding 3105,3117.5,4495, and 6210 kcs., and having aircraft fuel available: A, B, C, and J; Page 56, by showing Selma, Ala., Craig Field, Direction Finder Station inoperative; Pages 17 and 95, by showing air/ground inoperative on all freqs. at Rapid City AAF, S. D.

WEATHER REPORTING SERVICE

Weather Reporting Station	Type of Station		Lat. Long.	Elev.	Effective Date
Harbor Beach, Mich.	3 & 6 Hourly	Closed			
Brinkley, Ark.	Hourly	Closed			12-18-46
Waynoka, Okla.	Hourly	Closed			12-18-46
Alice, Texas	Hourly	Closed			12-18-46
Springfield, Minn.	SW,3 & 6 Hourly	Closed			12-15-46
Burrwood, La.	3 Hourly,Rawin & Raob	Discont.			12-13-46
Quanah, Tex.	6-Hourly,SW	To be closed			12-31-46
Wilkes-Barre (Avoca),Pa. (Wilkes-Barre Scranton Arpt)	SW	Opened			
New Hackensack, N.Y. (New Hackensack Field)	Hourly	To be opened soon	41°38' 75°53'	156'	
Teterboro, N.J. (Teterboro Air Terminal)	SW	Opened			Approx 12-1-46
New Orleans, La.	Raob & Rawin	Begun	30°01' 90°15'	296'	Approx. 12-13-46
Moore Haven, Fla.	6-Hourly	Opened	26°50' 81°05'		
Ontario, Oreg.	SW	Opened	44°01' 117°01'	2190'	
Gooding, Idaho	SW	Opened	42°55' 114°47'	3668'	

Note: Airway Terminal Forecasts for Clovis, N. Mex. and Alice, Texas discont. Supplementary weather reporting program at Reading, Pa. has been changed to Hourly, effective Dec. 16, 1946.

TELETYPE NOTAMS: Throughout the year climatic conditions (snow storms, floods, etc.) render many fields temporarily unusable or unsafe. In addition, there are intermittent maintenance operations in progress on many fields. Radio facilities suffer temporary power failures or course misalignments, and lighting facilities are temporarily inoperative. Because these temporary conditions cannot be given immediate coverage in the "Airman's Guide", full cognizance must be taken of Teletype Notam service which gives the desired coverage on any facility or field at which teletype transmitting stations are based. Cross-country pilots, accordingly, should consult these Teletype Notams for latest available data on air navigation aids. These teletype notams are posted in CAA Communications Stations and in all Army Air Field and Naval Air Station Operations Offices having teletype drops.

N.B. AIRPORT TRAFFIC CONTROL PROCEDURES: (a) Planes with 2-way radio should establish communication with control tower when 15 miles from the airport of destination and before taxiing or taking off. (b) Planes without receivers, when approaching tower-controlled fields and before taxiing and taking off, should be on the alert for and be guided by light gun signals. (See AAF Regulation 100-4, dated March 4, 1944, and CAR Digest or Manual 60). (c) Flashing tetrahedron lights, as well as the daylight operation of rotating beacons coupled with flashing red code lights, indicate suspension of CFR traffic.

AIR NAVIGATION AID DATA

All radio facilities except towers are C.A.A. facilities unless otherwise cited. All towers are listed by operating agency. All range bearings are magnetic inbearings. All fan markers and station location markers operate on 75 mcs. All radio facilities operate continuously unless otherwise specified.

LEGEND

** - New or revised airport, danger area, or miscellaneous data to be inscribed on charts or added to records.

★ - New or revised radio data to be inscribed on charts or added to records.

[redacted]

**ANNISTON-RADIO: Dec. 15, homing facs decomm Service A. Teletype and weather facs continue in oper.

BIRMINGHAM ARPT-Closed to civil acft not equipped with operating rcvr. No landings on sodded areas. Ctn ngts or under IFR, plant S of fld has long taxi and parking strips resembling rnwys. No svcg mil acft 2200 to 0600. No maintenance. (10-9)

BROOKLEY FLD (MOBILE)-RADIO: Army DF stn inop. (12-9) FLD: Soft-use rnwys,taxi strips only. No 91 oct. (10-4)

CAMP SIBERT AAF (ATTALLA)-CLOSED TO ALL ACFT.

CENTRE ARPT-Avail. lgt acft only in wet weather. (12-16)

CHASTAIN'S ARPT (PRICHARD)-2600' of E/W strip avail., mrkd. (11-2)

COLUMBIANA ARPT-N end strip rough, rocky. (12-16)

CRAIG FLD (SELMA)-RADIO: Army DF stn inop. (12-20) FLD: Bndry lgts inop. (11-12)

DANNELLY FLD (MONTGOMERY)-NE taxi strip closed (parked acft). (8-12)

★EVERGREEN-RADIO: Dec. 15, CAA Communication Stn and all facs discont.

GREENVILLE ARPT, SITE 24, NO-AG-E 400' E/W rnwy unsafe (high grass)(9-2)

★GUNTER FIELD (MONTGOMERY)-RADIO: Army twr decomm Dec. 16.
FLD: Use rnwys only. Sod areas adj rnwys and taxi strips soft. (11-20)

HARTSELLE ARPT-Graded area rough-use E side of strip. (12-3)

HUNTSVILLE-Bombing and mortar firing is being conducted within the following described area: beginning at the Tenn. River Channel at lat 34-34-30, long. 86-44-00; due N to Southern RR; easterly along RR to long. 86-42; due S to said river; SW along river to point of beginning.

MAXWELL FLD (MONTGOMERY)-At ngt or under IFR conditions large depot 1 mi S looks like arpt and lgts give impression of parallel rnwys. (10-17)

MUSCLE SHOALS ARPT-Fuel avail. civil acft only. (8-1)

NAPIER FLD (DOTHAN)-Avail. civil acft in emerg only. (8-6)

TUSCALOOSA ARPT, SITE 59, FV-AG-Extreme NW end fld soft in wet weather.(12-2)

TUSKEGEE AAF-Closed-emerg use only.

TUSKEGEE INSTITUTE FLD NO. 1 (TUSKEGEE)-Soft spots after heavy rains.(11-2)

ARIZONA

★AJO AAF-RADIO: Army twr no longer avail. when student flying in progress. (12-20)

ASHFORK INT, SITE 36A, LA-AQ-Rough. (9-19)

COCHISE INT, SITE T-3, PH-EO-Rough. Tall grass in spots on fld. Ctn when landing and taxiing. (9-20)

COOLIDGE ARPT-Closed-emerg use only.

DAVIS-MONTHAN FLD (TUCSON)-E fld closed-acft parked on rnwys. Blinding ceilometer projector W end fld half way between ends of NW/SE, E/W rnwys. Rnwy 17-35 closed. (11-27)

DEEP LAKE INT, SITE 54A, LA-AQ-Soft. E end E/W, N end N/S strips rough. Equip. on fld days. (11-11)

[redacted]

ECHEVERRIA FLD (WICKENBURG)-Use rnwys only (parked acft)

ERNEST A. LOVE ARPT (PRESCOTT)-Use wind tee SW of apron. (9-20)

FALCON FLD (MESA)-Closed to trans acft-no facs. (9-19)

FLY FLD (YUMA)-800' left traffic pattern all rnwys. Avoid local traffic days. Parking rstd to W side of fld. (10-16)

FREDONIA ARPT-High weeds, cattle on strips. (9-3)

GILA BEND AAF-Tetrahedron inop. (8-26)

**GILPIN ARPT (TUCSON)-Bcn certificated. 24" rot, duplex, showing clear and green, equipped with two 100-watt lamps and auto lamp changer. Opers ngtly from sunset to sunrise, mounted 36' above gnd at E side of fld. (12-10)

HOLBROOK MUN. ARPT (HOLBROOK)-CLOSED (rough) (6-13)

INTERNATIONAL ARPT (DOUGLAS)-Temp closed (const)(6-17)

KINGMAN ARPT-No inst flights cleared to Kingman. No obst lgts atop Haulpai Mtn. (8500' MSL) 11 mi S. Rnwy lgts Rnwy 17-35 inop. (7-12)

LITCHFIELD PARK NAF-No landings permitted later than one half hr before sunset without prior approval from CO. (9-19)

★LUKE FLD (PHOENIX)-RADIO: Army range decomm Dec. 20. Twr will be discont soon. (12-11). Army air to ground stn in oper on VHF only. (11-25)
FLD: Traffic direction indicator on second hangar from N. 11 flash. bcns on White Tank Mtns W of fld discont. (11-18)

MARANA AAF-CLOSED. (9-9)

NOGALES INTERNATIONAL ARPT (NOGALES)-Use only NE/SW paved rnwy, N/S turf strip and paved taxiways. Bal fld soft and rough due to heavy rains and erosion. (10-11)

PHOENIX-Inst train. on Phoenix Range between 5500' and 9500'.

RYAN FLD (TUCSON)-Use rnwys only, bal fld soft in wet weather, parked acft. Washes N edge. (8-8)

SKY HARBOR ARPT (PHOENIX)-Const in area E of N/S and S of E/W rnwys. (10-23)

THUNDERBIRD ARPT NO. 2 (PHOENIX)-Use strips only (parked acft)

TUCSON ARPT-Trans acft desiring to use fld after 2100 will give 2 hrs advance notice in order that lgts may be turned on. (11-13)

WILLIAMS FLD (CHANDLER)-Use rnwys only.

WINSLOW ARPT-E end E/W taxi strip beyond first tie-in closed. (10-31)

[redacted]

ADAMS FLD (LITTLE ROCK)-RADIO: Effective Dec 29, twr will oper 0700-2300. (12-19) FLD: Use rnwys only-shoulders soft. Equip. on fld. Closed to trans mil acft 1800 to 0800. (11-6)

**ELAINE ARPT-ABANDONED (12-4). See page 101.

EL DORADO-RADIO: VHF range will be comm soon at lat 33-17-00, long. 92-46-00. Freq. 109.1 mcs. ident. 'LD" (. - . . - . .) Visual courses: 45°, 225°; Aural courses: 135°, 315°, courses mag, towards stn. Mag. var: 7° E. Stn class: VARW. (12-9)

EL DORADO ARPT-GOODWIN FLD (EL DORADO)-Lgts avail. emerg. only (9-17)

GRIDER FLD (PINE BLUFF)-Use strips only (parked acft). Closed ngts.(6-7)

HELENA-Two unlgtd 405' twrs crossing Miss. River at S edge city. (11-7)

JONESBORO ARPT-Use rnwys only. (8-16)

★LITTLE ROCK-RADIO: Dec 17, NE and NW courses realigned to: 218°,112°.

LUXORA INT, SITE 39, NO-LS-30' unlgtd pole line being erected S end N/S rnwy (9-27)

McGEHEE ARPT-Cattle on fld intmtly. (9-6)

McLAUGHLIN ARPT (HOT SPRINGS)-RADIO: Mobile Army twr transmits on 4420 kcs and receives on 4495 kcs only. (9-11) FLD: Use ctn when landing and taking off. Crash and fire fighting equip. avail. 0900 to 1700 Mon thru Fri. (12-12)

★ PINE BLUFF-RADIO: Oct. 26, VHF range flight-checked and comm on cont oper on an exper status only, because of no facs to control or monitor range. Lat. 34-14-48, long. 91-55-36. Freq. 108.7 mcs. Ident. "PL". Visual courses: 13°, 193°, aural courses: 103°, 283°. Stn class: VARW. Mag var: 7° E. This corrects 'Airgl", Vol 1, No. 15.

**STEWART FLD (BLYTHEVILLE)-ABANDONED. (11-27). See page 104.

THOMPSON-ROBBINS FLD (HELENA)-Use rnwys only (parked acft)

WALNUT RIDGE ARPT-Acft parked all areas fld and ramp. Use rnwys only. Equip. on fld. Closed 1730 to 0800. NE/SW rnwy closed. (11-21)

ALAMEDA NAS-Maintain high approach on Rnwys 26L and 22. Heavy acft parked these areas. 175' unlgtd cranes 2000' from NE corner fld-ctn ngts and during low visibility. Lgtd dredge and pipe extending to shore operating 1/2 mi S of lagoon in seadrome. Equip adj to and on rnwys. Fld on positive control. (8-16)

**ALTA, BCN SITE 132 BLINKER, SF-SL-Discont Dec. 12. (12-12)

AMERICAN LEGION ARPT (SALINAS)-CLOSED. (12-5)

ARCATA ARPT-Closed to acft without 2-way radio unless prior approval rcvd from Stn Director. Incoming acft must file flight plan. Use surfaced areas only.(10-2)

AUBURN PEAK, BCN SITE 103 MI BLINKER, SF-SL-Will be perm discont soon. (11-22)

BAKERSFIELD-KERN CO. ARPT (BAKERSFIELD)-Unlgtd 92' pwr line 1/2 mi N of bndry. (11-1)

BELMONT-RADIO: About Dec 27, compass lctr will be decomm and relctd 5-1/8 mi NW of the San Francisco Arpt. (12-19)

BELMONT ARPT-Avail. at pilots risk (equip). NW end Rnwy 10-28 closed. (4-23)

BRAWLEY ARPT-Holes in extreme NW corner fld. (3-20)

BROWN FLD NAAS (OTAY)-Use in emerg only (caretaker status-no facs)

BURBANK-RADIO: Intermittent interference from Navy transmissions on adjacent channel of 245 kcs. (5-23)

BURBANK-LOCKHEED AIR TERMINAL-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN. Right traffic use Rnwys 7, 15; left traffic use Rnwys 25, 33. Approach lgts Rnwy 7 changed to red. Lgts on approach to Rnwy 7 partially obstructed by trees. 2-way radio required all acft. (8-2)

CAL AERO ARPT (ONTARIO)-Use rnwys only (parked acft)

CANNON FLD (FRESNO)-Landings from SE and take-offs to SE prohibited. (11-6)

CASTLE FLD (MERCED)-RADIO: Army air ground stn temp inop. (11-25)

CATES, BEACON SITE 235 MI BLINKER, SF-SA-Beacon inop. (2-17)

CLEAR LAKE SEAPLANE BASE-Avail. in emerg. only. (6-11)

**COLFAX HILL, BCN SITE 122, SF-SL MI BLINKER -Discont. 12-2. (12-12)

COMPTON CENTRAL ARPT (COMPTON)-Petroleum tank farm NW of fld in edge of right traffic pattern. Enter pattern at 45° angle on the down wind leg, at 800' over edge of tank farm. (10-26)

CONCORD ARPT-CLOSED EXCEPT IN EMERG. (10-30)

CORCORAN-135' unlgtd twr being const adj Santa Fe RR, downtown Corcoran. Upon completion will be 148' high and lgtd. (2-24)

COTATI OLF-Crash truck avail. at Santa Rosa NAAS upon req. (6-11)

CROWS LANDING NAAS-Use in emerg only (caretaker status-no facs)

**DANVILLE, BCN SITE 12 MI BLINKER SF-SL-Discont Dec. 16. (12-16)

DEL MAR ARPT-Right traffic at 600' with prevailing westerly winds. (10-10)

DESERT CENTER INT, SITE 17, LA-PH-E/W strip emerg use only. (9-19)

EL CENTRO NAS-Avail. 0700 to 1800. Other hrs on 30 min prior notice. Service rnwy will be lgtd for emerg use. Tetrahedron lgtd all times. (12-11)

**EL TORO MCAS-Will hereafter be carried under Santa Ana. See page 137. (11-25)

EL TORO MCAS (SANTA ANA)-Fld carrier landing practice Rnwy 25L. Trans acft use Rnwy 25R when practice in progress. (11-15)

★FAIRFIELD-SUISUN AAF (FAIRFIELD)-RADIO: Army range unreliable, use for homing only. (9-30). Army GCA sys now operates 1100 thru 1900 Mon-Fri. for training, emerg and IFR conditions; all other times, including Sat and Sun sys will be on 30 minute standby for emerg and IFR conditions. Weather minimums for GCA are: 200' ceiling and 1 mi visibility (day), 300' ceiling and 1 mi visibility(night). Army ILS operating on 30 minutes notice 1000 thru 1600 for training, emerg and IFR conditions on req thru twr. Middle mrkr inop. Stn lctn mrkr is used as outer mrkr. (12-11) FLD: First 1000' Rnwy 25, new Rnwy 21, closed. (8-22)

GARY FLD (BLYTHE)-Use rnwys only (parked acft)

GRAND CENTRAL ARPT (GLENDALE)-CLOSED TO ALL ACFT IN EXCESS OF 35,000 LBS. Parking area pitted, mrkd. W end Rnwy 12-30 being shortened 1000'. (6-1)

HAMILTON FLD (SAN RAFAEL)-Exten to Rnwy 12 closed except in emergency. (10-18)

HARMON FLD (SAN JACINTO)-Traffic pattern 2200' indicated or 600' above ground. Left pattern when taking off to NE-right pattern to SW. (10-28)

HASTER FARM OLF (GARDENGROVE)-Closed to all civil. acft except in emerg or on approval of the CO. (11-8)

HAWTHORNE ARPT-NORTHROP FLD (HAWTHORNE)-CLOSED EXCEPT ON OFF. BUS. Use Los Angeles Arpt.

HOBERG ARPT (LOWER LAKE)-Take off to SSE-land to NNW. (7-11)

HOLTVILLE ARPT-Closed-emerg use only.

HORSE FARM OLF (LOS ALAMITOS)-Closed to all civil. acft except in emerg or on approval of the CO. (11-8)

HUMBOLDT CO. ARPT (EUREKA)-Closed to trans acft-const. Obst lgt atop N 350' radio twr approx 11 mi SSW inop. Twrs being dismantled. (10-29)

INDIO-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-22)

INYOKERN NAF-Use in emerg only (caretaker status-no facs).

LINDBERGH FLD (SAN DIEGO)-Acft departing for or arriving from Mexico land at Lindbergh Fld for customs clearance. Closed to acft without 2-way radio unless prior approval rcvd from Arpt Mgr. (12-6)

LIVERMORE NAS-Avail. emerg use only. (10-1)

LIVERMORE OLF-Obsts in SW corner fld. (2-4)

LOCKHEED AIR TERMINAL-See Burbank.

LONG BEACH ARPT-Obst lgts atop 165' twr Rdo Stn KVOE 15 mi ESE (107°) true inop. No 91 oct. mil acft. Ltd svcg. No maintenance. Const entire N bndry fld, mrkd. Ctn landing Rnwys 16R, 16L. (12-9)

**LOS ALAMITOS NAAS-Will hereafter be carried as Los Alamitos NAS under Long Beach. (11-25). See page 137.

LOS ALAMITOS NAS (LONG BEACH)-Closed 1730 to 0800 except in emergency. Rnwy 22L closed. (9-1)

LOS ANGELES-SPECIAL NOTICE-All acft requested to avoid Hollywood Bowl Area from 2000 to 2300, daily. (7-26)

LOS ANGELES ARPT-MINES FLD (LOS ANGELES)-RADIO: About Jan 1, approach control service will be inaugurated. Acft will ordinarily be cleared by the Los Angeles Airway Traffic Control Center to the Downey FM, 11 mi. E of the Los Angeles Range Stn, to hold between Downey and a point 2 minutes E, until further advised by Los Angeles Approach control on 260 kcs. (12-7) FLD: Unlgtd oil derricks on approach to Rnwy 34. Rot bcn unlgtd days. E/W paved strips S side fld avail. taxiing only. N side fld under const. Equip. on fld, N edge Rnwy 7L-25R, N side fld adj Rnwy 4-22, and W side N/S rnwy. All landings, take-offs and taxiing rstd to paved areas. Rnwys 11-29, 4-22 closed. Rnwy, taxiing lgts Rnwy 4-22 inop. Obst lgts atop twr N side fld inop. (12-6)

LOS ANGELES-LONG BEACH HARBOR EMERGENCY SEAPLANE LANDING AREA-May not be avail. on short notice due to congestion in anchorage area. Two hrs advance notice should be given if possible. (7-1)
MACHADA ARPT (SANTA MARIA)-Use strip only. (8-15)
MATHER FLD (SACRAMENTO)-RADIO: Army ILS temp inop. (10-22) FLD: Use rnwys only-mat unserviceable. N/S rnwy closed. (12-4)
McCLELLAN FLD (SACRAMENTO)-Rnwy 4-22 closed (parked acft). Equip. and parked acft adj all rnwys and taxiways. Shoulders, unsurfaced areas unsafe. (10-17)
MERCED MUN. ARPT-Rnwy 30 avail., bal rnwys, taxi strips closed. Equip. on Rnwy 30-will be removed for scheduled traffic. (10-16)
MILE SQUARE FARM OLF (SANTA ANA)-Closed to all civil acft except in emerg or on approval of the C.O. (11-8)
MOFFETT NAS-LTA (MOUNTAIN VIEW)-Equip., trenches adj NW/SE rnwy. Ctn landing, taxiing, taking-off. Equip. on fld. Fld on positive control. Multi-engine acft above JRB class use Rnwy 14L-32R only, except in emerg. (7-23)
MONTEREY PENINSULA ARPT (MONTEREY)-Right traffic pattern in use. (11-22)
MUROC AAF-RADIO: Army range facs unreliable and to be used for homing and training purposes.only. FLD: Lctd within a danger area. 50' equip. near W end Rnwy 6-24. No 91 oct. No facs 1900 to 0700 or Suns. (10-22)
NAPA SKY RANCH ARPT (NAPA)-Under const. (7-10)
**NORDEN, BCN SITE 156 SF-SL-Lctd 8.5 mi WSW of Truckee, California. Discont. Dec. 10. (12-11)
OAKLAND-RADIO: 116.1 mc transmitter and receiver temp inop. (9-13)
★OAKLAND ARPT-RADIO: Lclar fac shut down for modification. A portable lclzr placed in oper temp on 109.5 mcs. Glide path component operating temp on 332.6 mcs. Use for practice only. Abnormal indications N end S of lclzr site. (12-13) Navy GCA unit now operates 0800 - 1700 Mon thru Sat. (12-17) FLD: Naval acft avoid fld except on off. bus. Rock surface area between E and W taxiway and Rnwy 27R avail. lgt acft. Take-off from center of area, adhere to instructions issued by twr. Taxiway leading from Rnwy 33 to ramp at Navy Terminal closed. Equip. on grass area W of Rnwy 24 ngts. Area under const mrkd. No gas or maintenance facs avail. 1800 to 0800 except in emergency. Ltd gas, maintenance facs 0800 to 1800. Closed to civil. acft except on authority Arpt Superintendent. Rnwy 6-24 avail. lgt acft.-avail. heavy acft for taxiing only. Equip. on N taxiway and E approach to Rnwys 27R and 27L. (12-3)
O'BRIEN, BCN SITE 21B, SF-SA-About Dec. 31, Bcn Site 15-1/2 mi NNE Redding, Calif. will be perm discont. (12-14)
OCEANSIDE-RADIO: FM lgt-checked Dec. 19, pattern normal.
O'CONNELL BROTHERS ARPT (BRAWLEY)-N/S strip avail. for taxiing only. Strip muddy when wet. (11-5)
ORLEANS FOREST FLD (ORLEANS)-Fence across N end of fld. (8-14)
PLACERVILLE ARPT-Avail. emerg. only. Strip rutted - not maintained. (9-21)
POLLOCK, BCN SITE 222 MI BLINKER, SF-SA-About Dec. 31, acetylene blinker 9-1/2 mi SSE Lamoine, Calif. will be perm discont. (12-14)
RAMONA ARPT-Hump in center of strip. Acft at one end of strip cannot see acft at other end. (7-24)
RED BLUFF-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-18)
ROCKLIN, BCN SITE 93 MI BLINKER, SF-SL-Will be perm discont soon. (11-22)
RYAN FLD (HEMET)-N side matted area rough. (5-2)
SACRAMENTO-RADIO: 116.1 mc transmitter and rcvr temp inop. Courses ground-checked only. (12-12)
SACRAMENTO ARPT-Acrobatics, low flying days from flight strip 1000' W of Sacramento Arpt. NW/SE rnwy avail. days. Use rnwys, taxi strips only - shoulders and fld soft. Unsafe small acft-rough. (12-10)
SAGE, BCN SITE 114, MI BLINKER, SF-SL-Will be perm discont soon. (11-22)
★SALINAS-RADIO: Dec. 19, VAR range comm at lat 36-42-28, long. 121-38-53. Ident, "SB". Freq. 109.1 mcs. Bear. and dist, stn to fld: 124°, 3.4 mi. Visual courses: 122°,302°; aural courses: 32°, 212°. Class: VARW. Var., 17°E. These data revd too late for inclusion on Flgt Planning Charts or in "ANRA".
SAN BERNARDINO CO. ARPT (DAGGETT)-Obst lgts atop 50' poles along RR 1000' from end Rnwy 3 inop. (11-12)
SAN DIEGO NAS-Traffic circle oval in shapewith left turns at 800'. Traffic pattern may be entered at any point at any angle not greater than 45°. Landing will not be made without passing thru Point Love (black and orange checkered buoy) unless directed by twr. Point Love (black and orange checkered buoy) is lctd on traffic pattern 1-1/2 mi S of Hotel Del Coronado. Acft crossing air traffic lanes at North Island must be above 1500'. Acft will not fly over Coronado or Amphibious Train. Base at an alt of less than 1500'. Multi-engine acft land on heavy duty rnwys, single-engine acft on asphalt mat. (12-5)
SAN FRANCISCO ARPT-Two lines unmrkd white spar buoys 8' above water moored in NW/SE direction along edges of shipping channel adj to easterly side of Seaplane Area and extend SE therefrom. Anchored vessels in shipping channel between lines of buoys. Vessels unmrkd and will be lgtd only as required. Avoid rnwy, taxiway shoulders. Turf area closed, unmrkd hazards. Use rnwys, taxiways. Rnwy 14-32 closed. (9-30)
SAN MATEO ARPT-Const. Avail. lgt acft only. (11-1)
SAN NICOLAS ISLAND NAAS-Use in emerg only (caretaker status-no facs)
**SANTA ANA NAS (LTA)-No rnwy lgts.
SANTA BARBARA-RADIO: VHF range will be comm at lat 34-25-40, long. 119-52-26, about Jan. 10th. Freq. 108.3 mcs. Ident. "OY". Visual courses: 96°, 276°, aural courses: 6°, 186°. (12-18)
**SANTA BARBARA ARPT-Fld lgts on req. (12-7). See page 49. Approach and ctc lgts Rnwy 15-33 inop. Equip. on rnwys. (12-7)
**SANTA CRUZ SKY PARK ARPT-New fld. Lat 37-03-00, long. 122-01-30. (12-1). See page 48.
SANTA MONICA ARPT-CLOVER FLD-Avail. trans acft with 2-way radio. Closed ngts and to all student pilots. (8-10)
**SECRET VALLEY INT, SITE 52, RV-ND-All lgting perm discont Dec. 10, will be avail. day use only. (12-10) See page 20.
SHERMAN FLD (WALNUT CREEK)-Surplus Acft Sales Center-parked acft.
SILVER LAKE INT, SITE 18, LA-SL-E quarter fld rough. (10-9)
**SODA SPRINGS, BCN SITE 153 MI BLINKER-Discont Dec. 11. (12-11)
SUMMER HOME ARPT (MANTECA)-Irrigation culvert being installed across middle of strip. (7-22)
**SUMMIT PASS, BCN SITE 157 MI BLINKER SF-SL-Site 7.5 mi WSW of Truckee, Calif. discont Dec. 10. (12-11)
SWEETWATER LANDING STRIP-Arrangements for using this fld made thru Opers Officer NAAS Ream Fld. No communications at landing strip. (12-5)
TERMINAL ISLAND NAAS (SAN PEDRO)-Trans acft not cleared after sunset. (9-4)
TRONA-RADIO: Receiving watches, voice facs and teletype service operating from 0800 to 2400.
**TRONA ARPT SITE 13, RV-ND-All CAA interest turned over to city. Will hereafter be carried as Trona Arpt. (12-4). See page 52.
TRONA ARPT-Unlgtd wind sock erected on 25' pole midway between ends of rnwy on line with easterly bndry lgts. (11-7)
**TULARE LAKE SEAPLANE ANCHORAGE (CORCORAN)-ABANDONED. (12-4)
VAN NUYS METROPOLITAN ARPT-RADIO: Mun twr inop from Dec 20 until approx Jan 2. FLD: Avail. civil acft providing they have off. bus. with one of the acft companies lctd on fld. Acft without radio may enter providing previous arrangements have been made with twr. (12-5)
VENTURA CO. ARPT (OXNARD)-Bcn, bndry, obst lgts inop. Battery operated, port rnwys lgts avail. ngts in emerg or by prior arrangement. (11-4)
VERNALIS FLD-CLOSED (equip., obsts on rnwys, aprons) (8-15)
VICTORVILLE AAF-Use rnwys 16L-34R, 7R-25L, 3R-21L only. (11-13)
VULTEE ARPT (DOWNEY)-Rnwys avail. days only when on off. bus. (9-16)

COLORADO

ALAMOSA ARPT-CLOSED (rnwys under const, fld lgts and bcn inop). (9-30)
ANTON-RADIO: Dec. 16 oper. of VHF range suspended indefinitely.
AURORA-RADIO: LFM fld pattern will be temp weak and distorted. (10-28).
**CALHAN ARPT-New fld. Lat 39-01-45, long. 104-17-00. (9-6)See page 28.
**CREIGHTON FLD (GOLDEN)-New fld. Lat 39-45-00, long. 105-08-45.(9-13). See page 137.
EADS ARPT-New fld. Lat 38-28-00. long. 102-47-45. (9-5) See page 60.
FORT COLLINS ARPT, SITE 5, DV-LR-30' unlgtd pwr line being const 200' S of N/S rnwy. (9-29).
GRANBY ARPT-Ctn from Nov. until April - snow. (10-17)
LOWRY FIELD (DENVER)-RADIO: Army air to ground stn. inop. (11-20)
PINE VALLEY ARPT (COLORADO SPRINGS)-E rnwy of parallel N/S rnwys closed - being widened to 300'. E/W rnwy avail. between markers only. Heavy const equip. on fld days. Use rnwys only. (11-2).
PUEBLO-Demolition being conducted within the following described area: bounded on the N by lat 38-17-28; S by lat 38-16-19; W by long 104-18-38; E by long 104-17-40.
PUEBLO ARPT-Rot. bcn stop hangar when lgtd indicates fld closed except to scheduled air-carrier acft. NW/SE rnwy unlgtd. (12-19)
**RANGELY HEIGHTS ARPT (RANGELY)-New fld. Lat 40-04-45, long. 108-47-00. (8-23) See page 25.
RIFLE ARPT-Strips under const. In emerg use the extreme N side of the E/W strip. Grade stakes on strip. (9-11).
ROYAL GORGE ARPT (CANNON CITY)-Do not land to the S (telephone lines) (6-11)
RUSTON FLD (DENVER)-Const. Strips soft during wet weather. (9-20)
RUTLEDGE FLD (DU PONT)-Surplus Acft Sales Center-parked acft.
SKY RANCH AIRPORT (DENVER)-RADIO: Municipal twr. temp inop.(12-10) FLD: Right traffic Rnwys 26,30,36; left traffic Rnwys 8,12,18. Traffic controlled by tetrahedron. Avail. CFR oper days only. (3-37).
★STAPLETON AIRFLD (DENVER)-RADIO: Ident "DV" comm on CAA lclzr Dec 20. These data revd too late for inclusion in "ANRA". About Jan 6, oper of middle and outer mrkrs will be suspended for approx two wks for installation of low freq compass lctrs. (12-20).
TRINIDAD ARPT-Strips avail. lgt acft. (12-3)
WALKER FLD (GRAND JUNCTION)-Filled ditches both sides of taxi strip extending from NW/SE rnwy rough and soft. (12-2)

CONNECTICUT

BRADLEY FLD (WINDSOR LOCKS)-Use in emerg only. (9-10).
BRAINARD FLD (HARTFORD)-Equip. on fld intmtly. Turf closed to heavy acft-soft. 300' bldg under const 1-1/2 mi NW of fld bndry, close to NW leg Hartford Range. Flood lgts N end N/S rnwy inop. (10-31)
BRIDGEPORT ARPT-Use rnwys only. (8-2)
BROOKFIELD ARPT-Open only to acft grossing less than 2000 lbs-closed to trans student pilots. Const N end fld and on taxiway between fld and shop.(10-31)
GROTON TRUMBULL FLD (GROTON)-Rnwys being repaired. Equip. on fld. (10-1)
HAMMONASSET FLYING FLD (MADISON)-Rough-not maintained. E/W strip avail. in emerg. Hangars under const. (9-16).
HARTFORD-RADIO: Auto. range monitor. sys inop. (9-30) Range flight-checked. Courses correctly aligned. (12-20)
KINSLEY FLD (SOMERS)-Temp closed-avail. emerg use only. (9-10).
NEW HAVEN ARPT-Avail. days only. Use rnwys only. NO local take-offs or landings during airline arvls and dptrs when signalman displaying red flag stationed at approach end of rnwy being used. (11-18).
RENTSCHLER FLD (EAST HARTFORD)-Obst lgt stop 220' tank 1/2 mi W N/W taxi strip inop. (11-26)
STEPHENSON ARPT (BRISTOL)-S 350' N/S rnwy being graded until approx Jan 17, 1947. Equip. and rough area mrkd, bal rnwy avail. lgt acft. (12-13)

DELAWARE

BELLANCA FLD (NEW CASTLE)-Use rnwy only. Sod strips under const. (6-13)
HARRINGTON ARPT-Hangars under const. (3-14)
★NEW CASTLE CO ARPT(WILMINGTON)-RADIO: Twr and range formerly oper by TWA. now oper by New Castle Co Arpt effect Dec 16. FLD: Sod fld within bndrys of rnwys avail. lgt acft. (9-18)

DIST. OF COLUMBIA

SPECIAL NOTICE-The Administrator of Civil Aeronautics has designated the Mt. Vernon National Monument a congested area. In accordance with C.A.R. 60.105 all acft will maintain at least 1000' over Mt. Vernon, lat. 38-42-40, long. 77-05-30. TELEVISION TWR 730' ASL ERECTED 6.2 MI NW (302°) OF WASHINGTON NATIONAL AIRPORT, LAT 38-53-46, LONG. 77-08-05.(3-22)
ANACOSTIA NAS (WASHINGTON)-Avail. 0700 to sunset. Avail. to transport traffic after sunset upon receipt of two hrs prior req of ETA. Boom const masts 100 to 150' high lctd 600 to 800' N of Rnwy 3-21, mrkd.(7-12)
BOLLING FLD (WASHINGTON)-Rnwys 10-28, 14-32 closed. Rnwy 17-35 closed to acft when weather conditions below ctc flight minimums.No JP-1 fuel.(12-16
WASHINGTON NATIONAL ARPT-ARMY: No Army acft will be cleared this fld without personal approval of CG AAF or Deputy Cmdr excepting those ATC acft on scheduled opers which require Washington National as Terminal; acft transporting VIP personnel such as Cabinet Members, Asst. Secretaries of War, and other personnel of like importance (for purpose this directive, mil personnel regardless of rank not considered VIP) and those acft based at Washington National. Army acft landing this fld should taxi to new ATC Terminal Bldg N of Admin Bldg. NAVY: Closed to Navy acft except NATS. Use Anacostia NAS. In special instances, all of which will be cleared by Anacostia Twr, Washington National Arpt will be avail. to Navy planes. GENERAL: Closed to acft without radio. Stay on paved areas-shoulders soft. Derrick with 35' boom N end fld between end of Rnwys 18,15. Trenches in grass area same lctn. Equip. on fld. Equip. grading and ditching along W side Rnwy 18-36. (11-12)

FLORIDA

ALBERT WHITTED ARPT (ST. PETERSBURG)-Fld unlgtd-smudge pots avail on 1 hrs notice. Avoid sodded areas, white sand area E of N/S rnwy extending to water (soft). (1-2)
BANANA RIVER NAS-RADIO: Navy exper. VHF rnwy localizers and various types of ILS operate intermittently day, night. (5-2) FLD: Closed to civil acft days except on prior permission from CO and in emerg-closed ngts except in emerg. S end Rnwy 2-20 under const. Various type acft practicing inst approach operating cont during IFR up to and including 2000' with weather minimums as low as 200' ceiling and 1/8 mi visibility. Air space includes area 20 mi radius from NAS. (10-31)
BANANA RIVER NAS SEAPLANE BASE-Seaplane landing area avail. W of stn on Banana River. Wind line consisting of seven green lgts on lctn in center of area ngts when training is scheduled. Avail. at all other times on one hrs notice. (12-13)
BOCA RATON AAF-Port. floods avail. on 15 minutes notice. NO 91 oct. Stay on rnwys-shoulders soft. (10- 16)
**BONITA SPRINGS, BCN SITE 12, TM-MM-Type A, 24" clear, 6 RPM, single end bcn with red course lgts flash char "2" . . - mounted on 51 foot twr 1/2 mi N Bonita Springs and 19 mi SE Page Fld, Fort Myers, comm Dec. 12. (12-12).
BRONSON FLD NAAS (PENSACOLA)-Closed to all trans acft. (8-14)
DALE MABRY FLD (TALLAHASSEE)-26' bldg erected 900' NW of NW end NW/SE rnwy, lgtd. Observe twr E side fld for lgt signals. Bcn stop water tank S of fld inop. (12-4)

DIXIE KEY COAS (MIAMI)-Landing facs avail. in emerg or off. bus. (10-10)
DREW FLD (TAMPA)-Use rnwys only. Equip. on fld days. Avail. to radio rcvr-equipped acft tuned to twr freq. (6-28).
★EGLIN FLD (VALPARISO)-RADIO: Army ILS sys temp inop. (10-29). Army range courses realigned to: 100°,172°,280°,355°. (12-11) FLD: Acft approaching fld will enter area along right edge of S leg Crestview Range. (1) Acft on CFR will fly 3000' or 500' below the ceiling whichever is lower, until cleared by Eglin Twr. (2)-Acft on IFR will enter at last assigned airways cruising alt and etc Eglin Twr for let-down instructions. Exten const. (10-29).
ELLYSON NAAS-EAST & WEST FLDS (PENSACOLA)-Closed to trans acft. Disposition delivery acft (landplanes) land at Pensacola NAS-Chevalier fld.(11-2
FORMAN OLF (FT. LAUDERDALE)-Use in emerg only (caretaker status-no facs).
FORT LAUDERDALE-Obst lgts atop N twr Radio Stn WQBS 8 mi W inop.(9-23)
FORT LAUDERDALE ARPT-Const, grading of taxiways adj to N/S,NW/SE rnwys. Equip. crossing and working adj to these rnwys until approx Jan 5, 1947.
**FORT LAUDERDALE NAS-Open to acft on off. bus. from 0800 to 1630 Mon thru Fri on 24 hrs advance notice. (12-4) See page 136.
GILBERT FLD (WINTER HAVEN)-Use rnwys only. (12-4)
HIDDEN ACRES ARPT (CLARCONA)-E/W strip avail. lgt acft. (9-18)
HILLSBOROUGH ARPT (TAMPA)-CLOSED. Sinkhole center of E/W rnwy 100' E of intersection center of fld. (5-26)
HOEQUIST ARPT (ORLANDO)-S half E/W rnwy avail., mrkd. (3-20)
JACKSONVILLE ARPT NO. 1-Neon approach lgt sys will be comm about Jan 1. Lctd SW end NE/SW rnwy consisting of a green course lgt lctd approx 100' from SW end NE/SW rnwy and SW in 14 stns. Will operate cont ngts and days when IFR prevails and at any other time on special req to twr. (12-21)
JACKSONVILLE NAS-Closed to ngt seaplane opers. Trans acft desiring ngt landing facs notify Jacksonville NAS 12 hrs in advance. Equip. on fld days. (9-19)
KEY WEST NAS SEAPLANE BASE-CLOSED TO TRANS ACFT EXCEPT IN EMERG OR PRIOR ARRANGEMENT. (6-19)
LAKE WORTH MUN. SEAPLANE BASE-Hangar under const. Traffic pattern 500' prevailing wind E to SE. (10-26).
LEE OLF (GREEN COVE SPRINGS)-Closed except in emerg and off. flights. Avail on 24 hrs advance notice to CO, NAS Jacksonville. (1-26)
LEESBURG AAF-CLOSED TO ALL TRANS MIL ACFT EXCEPT UNDER WRITTEN ORDERS OF AN AIR FORCE, COMMAND OR HIGHER AUTHORITY OR IN EMERG. No facs.
MacDILL FLD (TAMPA)-RADIO: Glide path of Army ILS (SCS-51) temp inop.(6-19) Army H fac temp inop. (8-5) FLD: Rnwys 4-22, 13-31, 18-36 avail. Rnwy 18-36 closed ngts. (10-29).
MARIANNA ARPT-Equip. on fld days. Mrkd hole Rnwy 8-26. Rnwy 4-22 closed.
MASTER OLF (MIAMI)-Closed from thirty min after sunset until 0700.(9-5)
MAYPORT COAS-Closed to all traffic except Air Sea Rescue and emerg landings (caretaker status-no facs). RNwys 32 and 36 to intersection closed.(9-27)
MEACHAM ARPT (KEY WEST)-2 unlgtd 40' tanks 400' E of S end Rnwy 4-22.(11-6)
**MIAMI, BCN SITE 20,TM-MM-24" clear single end, 6 RPM bcn with red course lgts flash char "O" (- - -) stop 51' twr comm 22 mi W Miami at lat 25-45-36, long 80-36-54. (12-17)
MIAMI INTERNATIONAL ARPT-AAF (MIAMI)-Domestic non-scheduled acft taxi to old Army Term. Bldg SE side fld upon arvl and prior to dptr and register with Ramp Supervisor. Scheduled air-carriers and International Acft requiring immigration and customs service use 36th St. Term. Trans International pilots advise twr before landing. Use rnwys only. NE/SW rnwy closed except to lgt acft in emerg. Equip. on fld intmtly days. Obst lgts on pole lines adj Seaboard Airline RR Shops between N and S flds inop. No svcg for mil acft except in emerg or maintenance trans Army acft 2400 to 0800. (11-20)
MIAMI NAS-Acft remain on W leg Miami Range for distance of 25 mi N of range stn when passing Miami NAS. Stay clear of NW corner fld-fighter train. break-up area. Acft practicing touch and go landings ngts.. Closed sunset to 0700. (11-15).
**MILES CITY, BCN SITE 18, TM-MM-24" clear, 12 RPM, single end bcn with red course lgts flash "4" (. . . .) comm Dec. 12. (12-12)
MORRISON FLD (WEST PALM BEACH)-N/S rnwy closed. (12-11)
NORTH PERRY OLF (HOLLYWOOD)-CLOSED-no facs. (10-28)
NORTH POMPANO OLF (POMPANO)-CLOSED (no facs). (1-24)
**OCHOPEE, BCN SITE 18 TM-MM 24" clear single end 6 RPM bcn with red course lgts flash. char "8"(- . . .) comm Dec. 12. (12-12).
ORLANDO AAB-ORLANDO ARPT-Closed to acft exceeding 50,000 lbs except for use alternate destination by scheduled air-carriers. North E/W, West N/S rnwy closed. No 91 oct. No Army maintenance Sat. and Suns and from 1700 to 0800 daily. (10-9) Radio controlled target ship in Pinecastle area 6 mi S of Orlando 0800 to 1200 daily Mon thru Fri. (7-1).
PAGE FLD (FT. MYERS)-NE/SW, NW/SE rnwy lgts, tetrahedron inop. Use E/W rnwy only at ngt. (9-14).
PENSACOLA ARPT-Ext Navy train. throughout area. Join Pattern at 500' left turn and circle. Use rnwys only. Taxi to right on nearest avail. taxi strip. Opers and svcg lctd brick hanger. (9-23)
PENSACOLA NAS-CHEVALIER FLD (PENSACOLA)-Avail. days only. Ngts use NAS Corry Fld. Permission may be obtained to land at Saufley or North Whiting Flds. Multi-engine acft requiring rnwys in excess of 2500' land at NAS Corry Fld, bear. 341° NNW. Disposition Delivery acft land at NAAS Ellyson Fld. Pilots desiring to land at Chevalier Fld contact Pensacola Navy Twr before entering traffic pattern. (8-22).
PETER O. KNIGHT ARPT (TAMPA)-Equip. on fld days. Sodded areas unsafe heavy acft. RNwy lgts avail. on 1 hrs notice between 1900 and sunrise.(10-1)
RICHMOND NAS-LTA-Use in emerg only (caretaker status-no facs).
RIDDLE FLD (CLEWISTON)-Heavy acft avoid lgt bar and rod steel mat. Twr oper only during scheduled flying. Unsafe areas partially mrkd days, unmrkd ngts. Cloud flying when clouds broken to overcast during daylgt hrs in area bounded by lat 26-27, lat 26-43, long. 80-50, long. 81-27. Use rnwys only. Grass areas flooded most of summer. (7-27)
STENGEL FLD (GAINESVILLE)-Equip. on fld, mrkd. (5-24)
TAYLOR FLD (OCALA)-Use rnwys only. (5-8)
TITUSVILLE-COCOA ARPT (TITUSVILLE)-Hangar under const. (9010)
WHITING FLD NAAS-NORTH (MILTON)-Avoid fld area under 2000'. 6" sloping curb at edges all rnwys. Tetrahedron indicates rnwy in use and not wind direction. Taxi lgts being installed. Equip. adj rnwys. (12-9)

GEORGIA

ALBANY ARPT-Use rnwys only. (11-8)
ALMA INT, SITE 43, MM-AC-Unlgtd 40' hangar under const N edge NE/SW rnwy. (11-16)
ATHENS ARPT-Bndry, bcn lgts inop. (8-10)
ATLANTA AIRPORT-RADIO: Middle marker of CAA ILS lctd 3600' SE of SE end NW/SE rnwy, keyed with alternate dots and dashes will be comm soon. Outer marker will be relctd 4.5 mi SE of SE end NW/SE rnwy.(9-19).FLD: Const, equip. on fld intmtly. Use rnwys ngts. Closed to HB and VHB acft. Army temp inactive-civil. facs. Trans Army acft use Marietta AAF. Twrs of Radio Stn WSB 12 mi NE being dismantled, lgtd. (11-12).

GEORGIA

ATLANTA NAS-Acft on IFR between 2000 and 0700 clear thru A.T.C. and proceed to Atlanta Arpt. Const Equip. along rnwys. (5-10).
AUGUSTA-RADIO: 116.1 mc transmitter and rcvr temp inop. (11-21)
BOWERS ARPT (BAINBRIDGE)-CLOSED (high weeds). (8-14)
BUSH FLD (AUGUSTA)-WAC planes parked entire fld off rnwys. Use rnwys only.
CAMP STEWART AAF (HINESVILLE)-Cattle on fld. (12-17)
CHATHAM AAF (SAVANNAH)-Rot. Bcn inop. (12-13)
COCHRAN FLD (MACON)-Use rnwys, taxi strips only. (12-5)
COOK CO. ARPT (ADEL)-Lgts inop. (9-23)
**GAINESVILLE ARPT-36" rot bcn, bartow etc on WNW/ESE rnwy, range, bndry, obst lgts. All lgts on req. (12-10) See page 108.
GLYNCO NAF-LTA-RADIO: Navy twr temp closed, operates on call on one hrs notice. FLD: Tetrahedron temp removed. (10-11)
HUNTER FLD (SAVANNAH)-Sharp incline of approx 20', 370' on approach to Rnwy 23L. 120' lgtd twr between Rnwys 10 and 15 outside outer perimeter. No taxiing permitted on ramp E of Term. Bldg-congested vehicular traffic. Area being fenced off. (10-9)
KINGS ARPT (MILLEDGEVILLE)-Soft after rainy weather. (11-6)
LA GRANGE ARPT-Heavy acft use rnwys, taxiways only-grass areas soft.(12-27)
LAKEWOOD ARPT (ATLANTA)-Strips rough in spots. (10-9).
LAWSON FLD (COLUMBUS)-MAKE ALL APPROACHES TO LAWSON FLD W OF CHATTAHOOCHEE RIVER, HIGH TRAJECTORY FIRING E, SE OF LANDING AREA DAY, NGT. Pilots may be required to make cross-wind landings. Use rnwys only. 4 lgtd parachute jumping twrs E of fld; mass parachute jumping from all alts under 1600' scattered thru area 10 mi sq. S of fld. Drainage ditch with unlgtd fence between ends Rnwys 2 and 32. Right hand traffic Rnwys 14, 20, 27; left hand on Rnwys 2, 9, 32. (12-16).
LE TOURNEAU ARPT (TOCCOA)-NNE/SSW strip closed (const). Avail. only with extreme ctn. 1000' extension being added to W end E/W strip. (8-6)
MARIETTA AAF-Ltd sto. Fscs avail. 0800 to 2000. Rdo Stn WFON erecting unlgtd 100' twr 2 mi WSW. (11-20)
★MOODY FLD (VALDOSTA)-RADIO: Air/ground stn (VHF) is now in oper. (12-19)
FLD: Two obst lgts atop Rdo Stn WGOV inop.
PARKAIRE FLD (MARIETTA)-Emerg use only-const. (8-28)
ROCKY FORD FLD NO. 1(VALDOSTA)-Closed-emerg use only.
SOUTHER FLD (AMERICUS)-Use strips only-parked acft.
THOMASVILLE ARPT-Closed ngts-no lgts. (10-24)
TURNER FLD (ALBANY)-RADIO: Army air to ground stn. temp. inop. (11-20)
FLD: Use rnwys only. Use rnwys 14L, 32R, 4L, 22R only.
VADA ARPT (BAINBRIDGE)-CLOSED (Cattle on fld). (8-14)
VALDOSTA ARPT-Closed-emerg use only.
**VIDALIA-LYONS ARPT (VIDALIA)-Still an army field. No civil facs. (12-18) See page 125.

IDAHO

BENNETT FLIGHT STRIP (ANDERSON DAM)-Avail. for emerg use only. (5-7)
BURLEY ARPT-Use rnwys only. Soft spots on taxi strips. (11-19)
CAMAS CO. ARPT (FAIRFIELD)-NNW/SSE strip, hangar under const.(8-29)
COEUR D'ALENE-RADIO: Range flight-checked. Courses correctly alinged. (12-19)
COEUR D'ALENE AIR TERMINAL-Equip. on fld days. (10-19)
★GOODING-RADIO: Dec 5, CAA Commun Stn and all radio facs decomm.
GOODING ARPT, new-Use rnwys only-sod unsafe (erosion). (9-20)
GOWEN FLD (BOISE)-Use rnwys, taxi strips only-shoulders soft. Non rdo-equipped acft use Rnwy 10L with left approach or Rnwy 28R with right approach when tetrahedron indicates traffic SE or NW. Blinding cont operated 30 million candle pwr ceilometer 1000' NNW arpt bcn. (12-11)
IDAHO CO. ARPT (GRANGEVILLE)-NE/SW strip under const. (9-19)
**IDAHO FALLS ARPT-Code beacon and rnwy etc lgting const completed (12-6) See page 24.
★MALAD CITY-RADIO: Dec 5, CAA Commun Stn discont all opers. Range will continue to oper cont without voice.
MOUNTAIN HOME AAF-N/S rnwy closed. Gravel area W edge approx 20' Sq. soft.
POCATELLO ARPT-6' ceilometer projector in center of grass strip running parallel with Rnwy 5-23 and approx 75' S of rnwy at a point 500' W of taxi strip that intercepts Rnwy 29. (11-19)
POCATELLO AAF-RADIO: Army air to ground stn. temp. inop. (11-20)
PRIEST RIVER MUN ARPT-NNE/SSW strip under const. (7-1)
REXBURG ARPT-W side N/S strip at N end unimproved and dangerous. (12-5)
★STREVELL-RADIO: Dec 15, CAA Commun Stn and all radio facs decomm.

ILLINOIS

ALBERTUS ARPT (FREEPORT)-const. Equip. on fld. (10-29)
ASHBURN ARPT (CHICAGO)-Avail. lgt acft under 2000 lbs only. Landing fee for heavier acft $2.00 and up. (7-25).
AURORA ARPT-Use strips only. (9-28)
CASEY ARPT-S 1000' N/S strip being graded. (10-31)
CHANUTE FLD (RANTOUL)-Ltd parking. (10-28)
CHARLESTON ARPT-Left traffic when wind from N or W; right traffic when wind from S or E. Unsafe heavy acft-soft. NE/SW rnwy closed (const). (9-23)
CHICAGO ARPT-NE/SW rnwy closed, unlgtd (parking area). Closed to trans Navy acft except on off. bus. or acft containing officers of flag rank. Pilots must register in Terminal Bldg on arvl and check out on dptr. Floodlgts avail. on req. Following landing fees in effect to all non-scheduled revenue producing acft: 30 cents per 1000 lbs or fraction thereof of the gross weight of the acft. Minimum charge $2.00. Fee payable to Arpt Supt's Office before take-off. All numerals and letters on Rnwys 13L, 13R lgtd ngts. Hangar under const. N side fld just E of NW corner. Ctn when taxiing. Covered ditch adj Rnwys 27L, 31R, mrkd. Ditch on E side Rnwy 36R, mrkd. (12-6).
CHICAGO-HAMMOND ARPT (LANSING)-Surplus Acft Sales Center-parked acft.
CYRIL LEBERT ARPT (LEBANON)-Left traffic pattern at 400'. WAtch for Scott Fld traffic. (11-8)
DECATUR PARK DISTRICT ARPT (DECATUR)-Use rnwys only. (11-26)
**EDWARDSVILLE ARPT-New fld. Lat 38-48-00, long. 89-53-45. (8-16) See page 141.
GALESBURG ARPT-Crash and fire fighting equip, avail. 0800 to 1600 Mon thru Fri only. (9-23).
GLENVIEW NAS-Prior approval required all acft expecting to RON except off. bus. regularly scheduled MATS or MATSFWS flights. Equip. on approaches. Non-radio equipped acft land on mats only. Closed ngts except in emerg or by prior arrangement. (7-8)
**HAMILTON ARPT (POLO)-New fld. Lat 42-00-30, long 89-33-00 (12-12) See page 33.
**H & S ARPT (GILLESPIE)-New fld. Lat 39-07-30, long. 89-50-00.(8-13) See page 68.
INTERSTATE ARPT (DE KALB)-CLOSED, (5-11)
JOLIET ARPT-SITE 22, LS-CG-Emerg fueling and acft svcg avail. 2400 to 0800 on req. (7-18)
**LAKESIDE ARPT (E. ST. LOUIS)-Port. bndry lgts on req. (8-14) (141) 470' twr of St. Louis Stn KMOX erected 2 mi N (4°T) at lat 38-43-20, long 90-03-16, painted and obst lgtd. (12-4)
MARION ARPT-Ext. train. 8 mi radius. Trans pilots use left hand rectangular 600' traffic pattern. NE/SW rnwy closed. In wet weather use black rnwys. (9-6)

MOLINE ARPT-75' lgtd mast, 1500' W, 600' S of centerline of E/W rnwy guyed with cables. Pwr shovel with 30' boom SW end NE/SW rnwy. 10' unlgtd antenna erected 1000' S of N end N/S rnwy and 250' E of centerline N/S rnwy. 30' unlgtd poles off NW end NW/SE rnwy. (11-23)

**MORTON ARPT-New fld. Lat 40-36, long 89-32. (12-6) See page 68.

**OTTAWA ARPT- New fld. Lat. 41-21-41, long. 88-51-10. (11-25) See page 33.

★PEORIA-RADIO: Range flight-checked. Courses correctly aligned. (12-19) FLD: Bcn, rnwy ctc, obst lgts. (12-11) See page 33 and 68. Four 250' twrs of Rdo Stn WEEK erected 3.5 mi SE (130°) at lat 40-38, long 89-38. Flash red code bcn atop each twr, 2 each 500 watt lamps atop of each twr with 2 each 100 watt red lamps at first and second levels. (12-5)

QUINCY ARPT-Avail. days only. Fld lighting under const. Ditches along rnwy edges. (11-12)

RUBINKAM ARPT (HARVEY)-Reduced in size. Ditch marks E bndry. N, S, W bndrys unchanged. (11-12)

ST. CHARLES ARPT-Closed except in emerg. (10-2)

ST. DAVID ARPT-Closed to cross-country acft. No svcg avail. N/S strip closed New arpt under const 6 mi N. (6-13)

SCHILT FLD (OLNEY)-NW/SE strip soft in wet weather and after thaws. (9-21)

SCOTT FLD(BELLEVILLE)-RADIO: Army air to ground stn. inop. (11-20)

SMITH AVIATION FLD(ST. ELMO)-Use N/S rnwy only. Equip. on fld. (7-31)

SPRINGFIELD ARPT-Fld and strips soft after heavy rains. Unsafe heavy acft when soft. Closed ngts. (11-8)

WAUKEGAN ARPT-NW corner NW/SE rnwy, W end E/W rnwy unusable, mrkd.(8-16)

WHITE CO. ARPT (CARMI)-NE/SW strip rough. Low wires S end fld. (7-22)

YORK TOWNSHIP ARPT (LOMBARD)-Equip. on fld. (8-9)

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AUBURN ARPT-Use strips only. Kerosene lanterns avail. in emerg. (5-14)

BAER FLD (FORT WAYNE)-RADIO: Army ILS (CAA type) temp inop. (10-24)

BENDIX FLD (SOUTH BEND)-Equip. on fld days. N triangle closed. (12-11)

BLOOMINGTON ARPT-Const. (9-26)

BLUFFTON ARPT-Unsafe heavy acft-strips soft. (12-14)

BRIGHTWOOD ARPT (INDIANAPOLIS)-Fld under const. E/W rnwy closed. Pilots observe tetrahedron for rnwy direction. Taxi on well mrkd taxi strips and dead rnwys. (9-19)

CHAIN LAKES ARPT (SOUTH BEND)-Avail. acft up to 6000 lbs. Use strips only. (5-23)

CHARLESTOWN ARPT-2000' strip under const-usable with ctn. (9-16)

COLUMBUS ARPT-Turn off rnwys onto taxi strips after landing. (9-10)

EVANSVILLE ARPT(OLD)-RADIO: Dec 29, CAA twr will guard 3105,4495,6210, 3117.5 kcs, 118.5,131.9 mcs. (12-14) FLD: Use rnwys only. Equip. on fld days.(9-26)

★FORT WAYNE-RADIO: Rcvg and teletype facs moved to Baer Fld. Bdcast and rcvg facs temp inop. (12-16)

**HOWELLS ARPT (RUSHVILLE)-Name changed to Howell Bros. Airport. (10-16) See page 69.

HULMAN FLD (TERRE HAUTE)- Use rnwys only (erosion). (8-28)

INDIANAPOLIS-RADIO: GCA unit operated by CAA on exper basis at Indianapolis Arpt, between the hrs 0800 and 1600 Mon thru Fri. Unit aligned for approach from the SW on Rnwy 4. Transmits on 212 kcs, 126.18 mcs, receives on 3105,4495,6210,3117.5 kcs, 126.18 mcs. Pilots desiring to make practice runs should make arrangements thru Indianapolis Twr, Indianapolis Radio or airline ground stn at Indianapolis. All flights must be CFR prior to starting GCA runs and must remain CFR throughout approach. No run should be made in hooded cockpit unless accompanied by safety pilot. 75 mc bndry mrkr using keyed 3000 cycle tone, operating intmtly at SW bndry of arpt. Exper lclzr on 108.3 mcs

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SW end NE/SW rnwy. Exper radio range with 5 lgtd 131' twrs operating intmtly at Avon, Ind, 7 mi NW of Arpt on 172 and 194 kcs. Low power (holding mrkr) 75 mcs, 10 mi SW of arpt on ILS lclzr course keying "U" tone 3000 cycles, temp inop. (11-22) FLD: Heavy acft use rnwys only. Const around N side fld, parking ramp. No crash equip. Mil pilots register with registrar in Admin Bldg Lobby, trans acft at City desk in Terminal Bldg Lobby. Rnwy 18L-36R closed. 1 bldg and 22' mast 400' off centerline near SW end NE/SW rnwy. Tetrahedron being installed in triangle between NE/SW, NW/SE, E/W rnwys-temp uncontrollable. EXPER OPERS: Approach lgt sys on SW approach lane; bndry lgts SW corner, operating intmtly. 2-1/2' exper rnwy lgts both sides NE/SW rnwy. Exper flights of all types in all weather conditions. 25' pole outside bndry 500' W of Rnwy 18; 65' twr 10' N CAA hangar; truck and 20' equip. 400' NW end NW/SE rnwy 500' W of rnwy centerline; truck 20' high NE corner at bndry 500' NW of NE/SW rnwy; 12' trailer 1000' NE of NE/SW rnwy on centerline; trailer adj CAA glide path 400' SE of NE/SW rnwy, all lgtd ngts. (11-15)

**LA PORTE CITY ARPT-Name changed to La Porte Arpt. (9-19) See page 36.

McCOMB ARPT(DECATUR)-Closed when wet. (11-5)

McCOOL-RADIO: See Special Notice.

MICHIGAN CITY ARPT-Use only mrkd strips, taxiways-bal fld unsuitable for landing and taxiing. (7-27)

MILROY-RADIO: See Special Notice.

MORGANTOWN-RADIO: FM on S course Indianapolis Range will remain in oper on exper basis. (11-8)

MUNCIE ARPT-Hangar under const along S bndry. (8-31).

**NOBLESVILLE ARPT-Correct location, lat 40-02-00, long. 85-59-45. (10-16) See page 69.

PLYMOUTH ARPT-E/W strip avail. NNW/SSE strip avail with ctn (const) (7-3)

PURDUE UNIVERSITY ARPT (LAFAYETTE)-Due to heavy local traffic, trans acft avoid turning in middle of fld after landing. Continue to taxi straight to end of fld then taxi to within 100' of bndry to hangar. Scattered pools of water SW end NE/SW rnwy in wet weather. Const NE end of fld. (9-20)

SKY HAVEN ARPT (BEDFORD)-Use rnwys only-shoulders soft. Left traffic pattern Const areas mrkd. (8-27)

SMITH FLD(FT.WAYNE)-Hangar under const N edge fld, mrkd. (10-5)

STARKE CO. ARPT (KNOX)-N/S strip soft. (11-4)

STOUT FLD (INDIANAPOLIS)-Inadequate svcg facs for trans acft; no radio control, crash equip., base opers avail. only 0800 to 1700. (11-23)

**TRIANGLE ARPT (DYER)-Correct location lat 41-31-30, long. 87-29-30. (11-12) See page 140.

VETERAN'S ARPT (BLOOMINGTON)-Strips rough. (7-30)

WHITTENBERGER ARPT (WABASH)-Use right traffic in landing S or W; left in landing E or N. No-wind conditions land to W. (8-16)

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AUDUBON AIRWAYS ARPT (AUDUBON)-Fld rough.

★BURLINGTON-RADIO: VHF voice fac comm at commun stn Dec 30. Transmits on and guards 116.1 mcs cont. Stn class: SBRAZ-VDT. These data revd too late for inclusion on Flgt Planning Charts or in "ANRA".

CEDAR RAPIDS ARPT-Use rnwys, taxi strips only. (9-23)

CHAPMAN FLD (WATERLOO)-Bcn, bndry, obst lgts inop. Soft in wet weather.(11-4)

CRAM FLD(DAVENPORT)-Const. Fld rough, equip. on fld. (3-21)

DES MOINES ARPT-Entire area off rnwys E of N/S, NW/SE rnwys closed. Use rnwys only.

ELKADER AIRPARK-Strip rough and rolling. (5-22)

HARLAN ARPT-Strips plowed up-regrading. Strip E of N/S strip approx 1000'

IOWA

long avail. with extreme ctn-rough.(10-11)
HUNTER FLD(CEDAR RAPIDS)-Use rnwys only. (11-3)
IOWA CITY ARPT-Avail. days only. Use rnwys, taxi strips only. Sod adj rnwys, taxi strips freshly seeded, graded. (8-30)
LAMONI-RADIO: See Special Notice.
MASON CITY ARPT-Sod between taxi strip and N end N/S rnwy unusable. (10-14)
MONTEZUMA-RADIO: See Special Notice.
OTTUMWA NAS-Closed for mil clearances from sunset until thirty minutes after sunrise. Open for landings at all times. (11-30)
SIOUX CITY ARPT-Blinding 30 million candle pwr ceilometer 1000' N of Admin Bldg. Facs avail. 0800 to 1700. (12-5)
WINTERSET ARPT-Rough and rolling. (2-28)

KANSAS

ALLMAN ARPT (LENEXA)-Use strips only. (9-12)
BEECH ARPT (WICHITA)-Use rnwys only during damp weather. (11-4)
CASSODAY-RADIO: See Special Notice.
CESSNA ACFT FLD (WICHITA)-Portion of fld E of Rnwy 17L unsafe-large cracks. Stay W of flags. (10-11)
COFFEYVILLE-RADIO: See Special Notice.
DODGE CITY ARPT-Blinding 25 million candle pwr ceilometer projector installed 1000' NW of Admin Bldg. E/W rnwy closed. (10-16)
DOWNS ARPT-When taking off to the S or E use right traffic. (9-30)
FORT RILEY-AA firing conducted immediately N of Marshall Range Sta.
** GARDEN CITY ARPT-400' twr of State Highway Dept Stn KHSN erected 4 mi SW (245°T), lgtd by 1 blinker and 2 stationary lgts. (12-5)
★ GARDEN CITY AAF-RADIO: Army tw r decomm Dec. 19. FLD: Ctc Garden City Radio for landing information ngts. Svcg, opers avail. 0800 to 1630 Mon. thru Fri only. Closed ngts. (10-22)
GOODLAND-RADIO: Dec. 16 oper. of VHF range suspended indefinitely.
GOODLAND ARPT-Rnwy sides soft when wet. (9-20)
HUTCHINSON MUN. ARPT-Heavy acft use rnwys only. (9-23)
HUTCHINSON NAS-CLOSED-no facs. (11-25)
INDEPENDENCE AAF-Only N/S rnwy near ramp avail. Svcg, opers avail. 0800 to 1630 Mon thru Fri only. Closed ngts. (10-22)
JANSSEN SKYTEL ARPT (MCPHERSON)-E/W strip soft when wet. (9-17)
LAWRENCE ARPT-Center fld, taxi areas unusable, soft. Use rnwys only in dry weather. (8-16)
** LLOYD FLD (FORT SCOTT)-ABANDONED (12-7) See page 64.
MARSHALL FLD (FT. RILEY)-For AA firing see Ft. Riley, Kans. Use rnwys, taxi strips, ramps only. Soft shoulders off rnwys. Rnwy lgts undependable. (10-25)
MORLAND-RADIO: Dec. 16 oper. of VHF range suspended indefinitely.
OLATHE-Acft of various types operating during IFR up to and including 2000' above ground. Air space includes the area within a 5 mi radius centered on Olathe Range Stn.
OLATHE NAS-Closed 1800 to 0800 - flights desiring landing during these hrs must notify opers before 1600. (6-13)
OLATHE OLF NO. 2-Use in emerg only - no facs.
OLATHE OLF NO. 4-Use in emerg only.-no facs.
OLATHE OLF NO. 7- Use in emerg only. - no facs.
OLATHE OLF NO. 9- Use in emerg only - no facs.
MOISANT INTERNATIONAL ARPT (NEW ORLEANS)-Use rnwys only ngts. Sod area 200' each side rnwys avail. lgt acft days only. Closed to all acft not equipped with 2-way radio except in emerg. 171' unlgtd steel derrick being erected approx 15 mi SSE in Lake Salvador. (12-6)
MONROE ARPK, new-Arpk 1/2 mi SE of old Monroe Arpk unsafe (soft). (9-12)

KANSAS

SALINA-RADIO: Dec. 16 oper. of VHF range suspended indefinitely.
SHERMAN FLD(FT. LEAVENWORTH)-Left traffic on Strips 12,15; right traffic on Strips 30,33. Use strips only. Strips soft when wet. 10' dike connects N end N/S strip. Closed to VHB type acft. (12-13)
SMOKY HILL AAF (SALINA)-RADIO: Army ILS (CAA type) temp inop. (10-24)
FLD: E/W rnwy closed. (10-17)
TOPEKA-Inst flying radio range ngt, day. Call Topeka Radio at least 20 mi out before flying range.
TOPEKA-RADIO: Dec. 16 oper. of VHF range suspended indefinitely.
WALDO-RADIO: Dec. 16 oper. of VHF range suspended indefinitely.
★ WICHITA ARPT-RADIO: Glide path comm Dec 19. Freq. 335 mcs. Lctd 750' from approach end Rnwy 36L and 350' W from centerline of rnwy. Glide path intersects outer mrkr at 2575' MSL when inbound on lclzr course. Point of contact 420' from approach end of rnwy. (12-19) About Jan 6, oper of outer mrkr will be temp suspended until approx Jan 20, for installation of low freq compass lctr. (12-7) FLD: Ctc lgts all rnwys under repair. Avoid taxiing over ctc lgts. Taxi strip W side fld closed. Lgts on Rnwy 18R-36L inop. Trans acft without radio use ctn. Stay on concrete-sod unsafe. (11-15)

KENTUCKY

ASHLAND ARPT-Right traffic pattern on NW landing and take-offs. (10-15)
BLUE GRASS FLD (LEXINGTON)-Use rnwys only. (10-13)
BOWLING GREEN ARPT-Red obst lgts NW end NW/SE rnwy inop. Const. (11-16)
CAMPBELL AAF (HOPKINSVILLE)-No mechanical or refueling svc avail.; use Smryna AAB for refueling and maintenance. Opers closed 1630 to 0800. (11-29)
GODMAN FIELD (FORT KNOX)-RADIO: Army range now operating reliably, maximum power only 25 watts. (10-17) FLD: CLOSED TO ALL HEAVY AND VERY HEAVY BOMBARDMENT TYPE ACFT EXCEPT IN EMERG. Opers off. open 0600 to 2400; after 2400 avail. upon 12 hr prior notice. (10-15)
GREATER CINCINNATI ARPT (COVINGTON)-Obst 600' due S Admin Bldg.(12-11)
STANDIFORD FIELD(LOUISVILLE)-Bndry, rnwy lgts inop. Tetrahedron unlgtd. free swinging. (5-25)
WARSAW-RADIO: See Special Notice.

LOUISIANA

★ ALEXANDRIA-RADIO: Dec. 20, range changed to simultaneous feature. Class: SMRAWZ. Courses realigned to: 23°,123°,208°,292°. These data rcvd too late for inclusion on Flgt Planning Charts or in "ANRA".
BARKSDALE FLD (SHREVEPORT)-RADIO: Army ILS (CAA type) temp inop.(6-4)
FLD: Liaison type acft land Rnwy 14R-32L. Exten train. heavy traffic. GCA unit on right and left hand side of center rnwy, lgtd. (12-5)
COTTON VALLEY ARPT-E/W strip closed.
CROSS LAKE ARPT (SHREVEPORT)-CLOSED (Const, equip. all strips). (4-29)
CROSS LAKE SEAPLANE BASE-Obsts in seaplane area-ctn when landing. (10-4)
EAST BATON ROUGE PARISH AIRPORT (BATON ROUGE)-Avoid SE corner fld, marked with white flags.
HOUMA NAS-LTA-Twr operates daylgt hrs on weeks days only for acft in connection with Bureau of Aeronautics Storage. Closed to all other acft except in emerg. No fuel. (7-22)
IBERIA PARISH ARPT (NEW IBERIA)-Use rnwys, taxi strips only. Rnwy lgts inop (11-14)
JENNINGS AIRPORT-Use strips only in wet weather. Smudge pots avail. on prior arrangements. Unlgtd pole lines S end E side fld. (5-17)
LAFAYETTE AIRPORT-Avail. days only. Use rnwys only. (7-4)

LAKE CHARLES-RADIO: Courses aligned by ground check only. (12-10)
LAKE CHARLES AAF-Blinding 30 million candle pwr ceiling lgt installed Stn WBAS. Operates during cloudy conditions. No 91 oct. (7-19)
NATCHITOCHES ARPT-Taxi to right. (4-23)
NEW ORLEANS ARPT-CLOSED TO ALL NAVY ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. Obst lgts on S pole line inop. Equip. on fld days. Non-radio equipped acft use extreme ctn. Closed to all Army acft except primary, basic and advanced (not inclg converted tactical type) trainers, utility cargo, C-46,C-47 series, C-60, C-64, liaison acft. helicopters and autogyros. (11-9)
NEW ORLEANS NAS-Avail. Navy acft not exceeding 9000 lbs daylgt hrs. Equip. all rnwys-conducting evaluation tests. Fld on positive control. (10-11)
SELMAN FLD (MONROE)-Obst lgts atop twr, hangars, floodlights atop poles W side fld inop. Ngt lighting facs not avail. trans acft. Equip. on fld. (11-18)
SHREVEPORT ARPK, INC.-Entire fld avail. except sod area E of N/S rnwy. (11-14)
SHREVEPORT ARPT-RADIO: Soon, CAA twr will discont guarding 142.74 mcs. (10-27) FLD: Use rnwys only. Two 120' derricks 1/2 mi SW fld and one 120' derrick 1-1/4 mi S within approach zone N/S rnwy lgtd. (11-8)

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AUGUSTA ARPT-Bcn operating intmtly. Obst lgts atop poles 400' N of ENE/WSW rnwy, and on bldgs S side Admin Bldg inop. Equip. on fld days. (11-8)
BRUNSWICK NAS-Closed to all but off. flights (caretaker status - no facs)
DOANES ARPT (BREWER)-N-1000' N/S rnwy avail., bal of rnwy closed until spring-repairs. (10-20)
DOUGLAS FLD (BRUNSWICK)-Avail. emerg use only. Right traffic when wind from the S. (8-28)
DOW FLD (BANGOR)-RADIO: Army air to ground stn. temp inop. (11-20)
FLD: E/W rnwy closed. Use concrete portion fld only. Closed 1900 to 0700. Ltd transportation and maintenance facs. Indicated Rnwy markings are nearest true heading rather than mag. heading. (12-10)
HOULTON-RADIO: See Special Notice.
HOULTON ARPT-Closed except to scheduled airlines and local opers. Other acft land by prior permission from Resident Engineer, fone 2211. (10-10)
LEWISTON-AUBURN ARPT (AUBURN)-Heavy acft use rnwys only-safety strips soft. (11-13)
MILLINOCKET-RADIO: Auto. range monitor, sys temp inop.
MILLINOCKET ARPT-NW/SE rnwy closed from intersection to NW end. Bndry and ctc lgts relctd accordingly. (12-10)
NORRIDGEWOCK ARPT-CLOSED - use in emerg. only.
OLD TOWN ARPT-Use rnwys only-safety strips rocky. Lgts inop. (11-12)
PORTLAND ARPT-E/W rnwy closed ngts (ctc lgts inop). Equip on fld days. (9-20)
★PRESQUE ISLE AAF-RADIO: DF stn temp inop. (12-19) Army DF stn avail. within 1/2 hr upon req over air/ground or point to point facs. (12-16)FLD: Rnwy 16-34 closed. (12-12)
RAYMOND'S ARPT (PHILLIPS)-NW end NW/SE strip soft beyond flagged area. (10-7)
SCARBORO ARPT-Avail. lgt acft only. Use N/S strip. Land within flagged area. (11-18)
WESTON FLD (MADISON)-Avail. emerg only. (8-29)

MARYLAND

BALTIMORE MUN. ARPT-No crash equip. Use rnwys, taxi strips only-other areas soft. 2 cranes 20 and 40' high operating approx 250' S, SW of Rnwys 32, 27. 80' crane 800' N of N/S rnwy, mrkd. Const, equip. on fld. 60' lgtd derrick 500' from NW end NW/SE rnwy. (11-23)
BELTSVILLE OLF-No crash equip. Closed to all acft except in emerg. (12-5)
CHESAPEAKE BAY-Mines being dropped over-water immediately ESE of Cove Point at lat 38-21-12, long. 76-19-18, from alt. of 20,000'. (11-25)
EDGEWOOD ARSENAL FIELD-CLOSED TO TRANS MIL ACFT EXCEPT ON OFF. BUS. THIS STN OR IN EMERG. OR PRIOR PERMISSION FROM CO. Closed Sat. and Sun. Operates Mon thru Fri 0800 to 1600. Approach fld N of Penn. RR. High alt bombing E and S. Stay on concrete. (2-20)
ERCO ARPT (RIVERDALE)-Gen. fld const, however, one strip always avail. (9-20)
**FREDERICK CITY ARPT (FREDERICK)-New fld. Lat 39-25-00, long. 77-22-30. (9-6). See page 76.
GLENBURNIE-WHIPP ARPT (GLENBURNIE)-Avoid flagged area-equip. (10-5)
HAGERSTOWN ARPT-Acft parked on hangar and factory apron, also along W bndry of fjd just W of the N end of the N/S rnwy and N of the W end of the E/W rnwy. Use ctn in landing and taking-off in area off rnwys. (9-20)
KENT ARPT (WORTON)-Landing area under const. (3-17)
LEE ANNAPOLIS ARPT (ANNAPOLIS)-N/S rnwy closed (const). NE/SW rnwy and black-topped taxiway avail.-unsuitable for acft heavier than twin-engined type. (10-8)
MARTIN ARPT (BALTIMORE)-CLOSED TO ALL COMMERCIAL ACFT EXCEPT THOSE ON OFF. BUS. WITH GLENN MARTIN CO. OR IN EMERG. (10-31)
PATUXENT RIVER NAS-Taxi strips adj and parallel to Rnwy 13-31 between Rnwys 2-20, 6-24 closed. Ditches, equip. adj taxiway parallel to Rnwy 2-20, ditches adj Rnwy 9-27, mrkd. Equip. on fld. Rnwy 9-27 being repaired. (10-14)
PHILLIPS FIELD (ABERDEEN)-Equip. on fld. Ltd svcg. No maintenance or RON. Closed Sats, Suns. Rnwy 4-22 closed. Approach fld from N only, fly heading of 200° from Aberdeen to fld. Avoid area 1500 yds S of fld; firing up to alts of 25,000'. No 91 oct. Closed to very heavy type acft. (7-30)
SCHROM ARPT (GREENBELT)-SE end NW/SE rnwy under const, mrkd. Use only rnwy pavement and taxi strips. (9-24)
WEBSTER FLD (PRIEST POINT)-Closed except on 24 hr. notice.

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BARNES ARP T (WESTFIELD)-Oper of arpt bcn days only indicates scheduled airlines in vcnty arpt. Acft proceed with ctn when bcn lgtd. Ctc Westfield Radio for lgts. (8-4)
BEDFORD AAF-Two of three 435' twrs 3.5 mi SW (245°) true completed. Temp lgtd with 1000 watt non-flash lgts. (11-2)
BOSTON-RADIO: FM will be comm at Dedham, Mass., soon, located at lat. 42-15-59, long. 91-10-07, on SW course 14.4 mi from range stn. Ident. two dots, three dashes (. . - - -) Bear. and dist, range stn to FM: 238°, 14.4 mi. When Dedham FM is comm, ident of Franklin, Mass FM will be changed to three dots, three dashes (. . . - - -) (12-10)
BOWLES ARPT (AGAWAM)-High grass. Ltd maintenance. (6-6)
BROOKFIELD'S ARPT - Steep grade at SE end - ctn. (9-9)
CAPE COD BAY-Wire cable 35' above high tide extending between wooden twr and fish processing plant has been estab. approx 5 mi SE Provincetown at lat 42-01-00, long. 70-05-30, extending 1000' seaward from shore of Cape Cod Bay.
GRAFTON ARPT (NORTH GRAFTON)-Avail. lgt acft. Heavy acft use ctn. Avoid W, SW portions of fld. (6-15)
LAWRENCE ARPT- At night use rnwys for landing and taking off. (3-23)
LOGAN AIRPORT (BOSTON)-Landing and dockage fees in effect as follows: Acft under 10,000 lbs $3.00; more than 10,000 lbs and less than 27,000 lbs $6.00; 27,000 lbs or over $10.00. Passenger planes shall pay in addition to above $1.00 per enplaning passenger. Freight, cargo and express planes shall pay in addition $6.00 per day or fraction thereof beginning at time of landing. Private or personal planes shall pay $1.00 when landing. All transient pilots must register at office of Airport Manager and pay fees. Pilots will be denied clearance until fees are paid.

LOGAN ARPT (BOSTON)-Equip. on fld. Mercury arc vertical beam NW end new temp NW/SE rnwy-used intmtly day, ngt. Floodlgts and wind tee rmvd. Equip. on perimeter of fld. New 5900' Rnwy 15-33 and Rnwy 4-22 avail.-NE 100' Rnwy 7-25 unsafe. 100' floating derrick SW end Rnwy 4-22, mrkd. New hangar being erected SW corner of old fld, lgtd. (12-16)
MARLBORO ARPT-Fld not maintained-avail. emerg use only. (9-9)
MERRIMAC VALLEY SEAPLANE (LAWRENCE)-Right traffic when landing or taking off down river. (11-13)
MYRICKS ARPT-Wires on S end N/S strip. (11-20)
OTIS NAAS (FALMOUTH)-Use in emerg only (caretaker status-no facs)
PITTSFIELD ARPT, SITE 3B, AZ-BW-Land according to wind sock. (8-27)
REVERE ARPT-Const on seaplane base 1000' N of arpt. Booms day, ngt. (10-12)
SOUTH WEYMOUTH NAF-50' lgtd antenna pole 2200' from S edge landing mat.(11-15)
SPRINGFIELD ARPT-Lgts inop. (6-24)
SQUANTUM NAS-Unlgtd 100' boom on lighter at bndry due W between Rnwys 2, 8. Equip. at bndry. Fld avail. 0800 to 30 mins prior to off. sunset. (9-27)
STEVENS FLD (NORTH ADAMS)-Avail. only lgt acft. (10-12)
WESTFIELD-RADIO: Range flight-checked. Courses correctly alinged. (12-19)
WESTOVER FLD (CHICOPEE FALLS)-RADIO: Army GCA sys temp inop. (12-9) Army ILS lclzr (Rnwy 24) inop. (12-16) FLD: Following procedure normally to be carried out on IFR South-bound inbound flights to Westover Fld: Boston ATC will be contacted over Portsmouth, N.H. intersection (Portsmouth intersection is N leg of Grenier Range) for further clearance acft will proceed to a point over Grenier Fld range station for further clearance by Boston ATC to Gardner intersection . (Gardner intersection is the intersection of NE leg of Westover range and NW leg of Boston Range) acft will report to Boston ATC over Gardner intersection and will then be instructed by Boston ATC to ctc Westover approach control for further clearance. Clearance given by Westover approach control will be in accordance with existing letdown procedures as disseminated from Westover Fld. Cruising alts assigned by Boston ATC will be maintained until further cleared to descend by Boston ATC. Westover approach control will assume control of acft upon departing Gardner intersection but not until released by Boston ATC. When under Westover approach control all instructions will be followed which are transmitted by Westover approach control. (11-10)
WORCESTER ARPT-350' twr Rdo Stn WNEB being erected 3 mi ESE (110°) true. Twr now 75' high, temp lgtd. (10-28)

MICHIGAN

ABRAMS ARPT (GRAND LEDGE)-Hangar being const. Ctn using N/S, E/W strips during winter months. (11-12)
ADRIAN CITY ARPT (ADRIAN)-SW corner fld unsafe for landings and take-offs. (11-14)
ANN ARBOR AIRPORT-Use rnwys only. Taxi strips being widened, apron and parking areas being enlarged. Equip. on fld. (6-14)
BAKER'S FIELD (PORT HURON)-Use strips only. (6-25)
BISHOP ARPT (FLINT)-Use rnwys only when turf soft. Lgt acft use turf adj left side of concrete. Unmrkd acft parked on fld within 500' of bldgs. 160' water twr under const 1-1/4 mi NE, unmrkd. (8-15)
CADILLAC-RADIO: See Special Notice.
CADILLAC ARPT-S 100' of 1000' taxi strip avail. all acft except tri-cycle gear acft-bal taxi strip being cleared of trees and brush. Other strip serviceable this area from N of bldgs to fld bndry. 40' crane 300' E, 100' S of E end E/W strip approx 200' S of center line of approach. (12-3)
CALVIN CAMPBELL MUN. ARPT (INDIAN RIVER)-Emerg use only. (6-24)
CAPITAL CITY ARPT (LANSING)-Use only rnwys, new N/S strip. Strip closed ngts. Equip. on fld days-acft parked W side fld E of apron. (9-20)
DALTON ARPT (FLUSHING)-N/S, E/W strips unusable. (11-13)
DETROIT CITY ARPT-Inbound acft required to have radio receivers. (10-22)
DETROIT NAS-Closed 1700 to 0800. (9-14)
DR. HAINES FLYING FLD (THREE RIVERS)-Sides and ends of strips soft. (5-10)
**EMMET COUNTY ARPT (PELLSTON)-Fld lgts,bcn on req. (12-6). See page 16. Unlgtd hangar under const 1500' N of the E end of the E/W rnwy. (12-6)
FITCH H. BEACH ARPT (CHARLOTTE)-Ctn on taxi strips. (11-15)
FORD ARPT (DETROIT)-CLOSED. Avail. emerg use only. Use rnwys only. (8-14)
GLADWIN ARPT-40 x 60' unlgtd hangar NW corner fld. (9-27)
GRIDLEY ARPT (YPSILANTI)-Strips unusable when wet-muddy. Land on sod with ctn. (10-22)
**JAMES CLEMENTS ARPT (BAY CITY)-Bcn on prior req. (9-17). See page 37. Closed ngts. Heavy acft use rnwys only. (7-20)
JEWETT ARPT (MASON)-Strips mrkd with yellow mrkrs. (11-14)
KELLOGG FLD (BATTLE CREEK)-Equip. on fld. (11-9)
LAPEER ARPT-Hangars under const. Use strips only. E/W, N/S strips being widened. (7-13)
LEACH AERO SERVICE ARPT (HARTFORD)-NE/SW strip under const. (11-16)
LINDBERGH ARPT (KALAMAZOO)-Avail. ngts in emerg. Landings in accordance with wind tee lctd midway between NW end NW/SE and N end N/S rnwys. (11-15)
MACKINAC CO. ARPT (ST. IGNACE)-Trucks, equip. on SE side fld. (9-20)
McKINLEY ARPT (FRASER)-Closed except to lgt acft in dry weather-soft. (4-26)
MOUNT PLEASANT ARPT-Strips soft in wet weather. (3-16)
MUSKEGON CO. ARPT (MUSKEGON)-Use rnwys only-rough. (9-20)
OSCODA AAF-Use rnwys, taxi strips only.
OTSEGO CO. ARPT (GAYLORD)-Avail. during winter months with ctn. (12-2)
PRICKETT FLD (SIDNAW)-Unusable-under const. (6-25)
REYNOLDS FLD (JACKSON)-Green flasher code bcn atop rot. bcn inop. (12-5)
ST. CLAIR CO. ARPT (PORT HURON)-Rdo Stn WEBO erecting 145' twr 4 mi NE (37°) true, temp lgtd. (11-13) Use strips only. (9-26)
ST. IGNACE-RADIO: See Special Notice.
SAULT STE MARIE ARPT-Loose gravel on N/S rnwy. Use rnwys only. (9-20)
SKYHAVEN ARPT (SAGINAW)-Use strips only. Avail. lgt acft only when wet. Right traffic when landing S,SW and W. Left traffic N,NE and E. (11-12)
STINSON ARPT (WAYNE)-Closed to trans acft. Const sides N/S rnwy. (7-10)
TRAVERSE CITY ARPT-Obst lgts S end N/S rnwy inop. (12-22)
TWIN CITIES ARPT-ROSS FLD (BENTON HARBOR)-Use rnwys only after heavy rains. (11-14)
WASHENTAW ARPT (ANN ARBOR)-Use rnwys only. Avail. days only. (8-14)
WILLOW RUN ARPT (YPSILANTI)-Equip. on fld. Trucks on NE/SW taxi strip. Trenches and const of ILS bldgs on fld, mrkd. Apron base and loading gates under const, mrkd. (12-4)

MINNESOTA

APPLETON ARPT-Use rnwys, taxi strips only. (11-20)
BENSON ARPT-Only NW/SE strip avail., bal fld under const. (6-16)
DECKER ARPT (AUSTIN)-Acft over 3500 lbs use ctn. (6-28)
FARIBAULT ARPT-Closed to all acft weighing over 5000 lbs. (5-16)
FERGUS FALLS ARPT-Temp closed (const). (6-17)
FLYING CLOUD ARPT (MINNEAPOLIS)-Const. (12-17)
LAKE CITY-RADIO: See Special Notice.
MANKATO ARPT-Use strips only. (5-16)
MINNEAPOLIS-Lgt atop Foshay twr will be discont soon. (10-11)
MONTEVIDEO ARPT-Const. Temp rnwys avail. Equip. on fld intmtly. (10-11)
ORTONVILLE ARPT-Temp closed (const). (6-20)
ST. PAUL ARPT-Use rnwys, taxi strips only. (8-1)
THIEF RIVER FALLS ARPT-New NW/SE, NE/SW rnwys avail. wheel-equipped acft until heavy snow. (12-9)

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UNIVERSITY OF MINNESOTA ARPT (NEW BRIGHTON)-E/W, N end N/S strips rough. (9-30)
VICTORY ARPT (MINNEAPOLIS)-Surplus Acft Sales Center-parked acft.
VIRGINIA ARPT-Avail. ski-equipped acft only. These data rcvd too late for (I) symbol. (12-21)
WILLIAMSON-JOHNSON ARPT (DULUTH)-Closed ngts. (8-1)
WOLD CHAMBERLAIN FLD (MINNEAPOLIS)-Foreign Clearing Stn for Musk-Calf Project Flts. (11-21)

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AUGUSTINE FLD (JACKSON)-Use strips only-parked acft.
**CANTON ARPT-Name changed to Lee Fld. (11-2). See page 101.
COLUMBUS AAF-RADIO: Army air to ground stn temp inop. (11-20) FLD: Use rnwy only.
DELTA ARPT (YAZOO)-CLOSED. (11-7)
GREENWOOD ARPT-Use rnwys only-sodded portion soft. All rnwy lgts operated simultaneously-unable to control rnwys separately. (11-12)
GRENADA ARPT-NE/SW rnwy closed. (6-28)
GULFPORT MUN. ARPT-Closed ngts. Fld lgts inop. Ltd svcg. Avoid flying over area directly off SW corner. Entire sod fld avail. (5-27)
JACKSON ARPT-Rnwys 2-20, 16L-34R closed. Bndry lgts NW end Rnwy 11, SE end Rnwy 34 discont. Red guide lgts installed 100' from Rnwy 11-29. (12-2)
JACKSON CO. ARPT (PASCAGOULA)-Trans acft use rnwys only-drainage grills under grass. (5-17)
KEESLER FLD (BILOXI)-Use rnwys only. Floodlgts avail. on req. Ngt opers rstd to acft with 2-way radio. 20' boom NE corner NE/SW rnwy, mrkd. (10-17)
KEY FLD (MERIDIAN)-Radio Stn WTOK erecting 180' twr 5 mi NE, lat 32-22-46, long. 88-40-04. (9-7)
LAUDERDALE CIVIL ARPT (MERIDIAN)-Cattle on fld. (6-6)
LOUISVILLE ARPT-N 1/3 of strip unusable in wet weather. Ditches near edges of strip. These data rcvd too late for (C) symbol. (12-20)
McCOMB ARPT-West 1/3 of E/W strip unusable. (9-30)
**PHILADELPHIA AIRPARK-New fld. Lat 32-45, long. 89-05. (12-6). See page 124.
★TYLERTOWN-RADIO: Dec 15, teletype and weather reporting facs deactivated.
YAZOO CITY CO. ARPT (YAZOO)-Use N/S strip only, bal fld soft. (11-7)

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★ADVANCE-RADIO: VHF voice fac comm at commun stn Dec 20. Transmits on and guards 116.1 mcs cont. Stn class: SBMRAZ-DTV. These data rcvd too late for inclusion on Figt Planning Charts or in "ANRA".
BAILEY'S ARPK (CHILLICOTHE)-NE/SW strip unusable when wet. (12-13)
BUTLER ARPT-NW/SE, NE/SW strips being lengthened, all strips being widened. (9-18)
**CHILLICOTHE INT, SITE 7, KC-CG-Correct location lat 39-46-45, long. 93-30. (9-19). See page 32. Use only rnwy during wet weather. Sod areas slightly rough. (10-21)
COLUMBIA ARPT-Heavy student traffic. Ngt flying 3 mi radius fld. Sod at rnwy sides soft when wet. Traffic pattern 800' on down-wind leg. Blinding 20 to 30 million candle pwr ceilometer 1000' E of rot. bcn. (12-20)
DAVIESS CO. ARPT (GALLATIN)-Use ctn until further development. (5-12)
FAYETTE ARPT-Closed during winter-avail. lgt acft in emerg only. (11-19)
HARRIS FLD (CAPE GIRARDEAU)-Use strips only-parked acft.
HARVEY PARKS ARPT (SIKESTON)-Use rnwys only-parked acft.
INDEPENDENCE ARPT-N/S strip avail., bal fld closed (repairs). (6-28)
JEFFERSON CITY ARPT-E/W, N/S strips avail. lgt acft only-sod soft when wet. NE/SW strip avail. twin-engine acft not exceeding weight of C45, C78. (5-11)
JOPLIN ARPT-Obst lgts NE end NE/SW rnwy inop. (10-10)
KANSAS CITY ARPT-RADIO: Glide path and bndry mrkr temp inop until perm lclzr recomm at a later date. (11-14) FLD: CLOSED TO ALL ARMY ACFT EXCEPT IN EMERG-USE FAIRFAX FLD. Army acft rstd from refueling except in extreme emerg. Neon approach lgt sys discont until approx Mar 3, 1947-temp use approach lgt installed N end N/S rnwy consisting of 1 green spot-lgt 24" in diameter and elevated at a 30° angle. Unlgtd levee along N side fld raised to 20' above fld level. Lgtd pile-drivers and derricks NW portion fld immediately W of N end N/S rnwy. Derricks and cranes SW portion fld-lowered ngts. Const W of paved portion loading ramp N of Terminal Bldg, mrkd-acft avoid this area. Take-offs by lgt acft to the N from E of N/S rnwy prohibited. Tetrahedron uncontrollable. (12-2)
KANSAS CITY-GRANDVIEW ARPT (KANSAS CITY)-Sodded areas soft. (11-22)
KIRKSVILLE ARPK-CLOSED UNTIL SPRING. Emerg use only. (11-13)
LAMBERT FLD-ST. LOUIS ARPT (ST. LOUIS)-RADIO: Low clearances observed in blue and yellow sectors of ILS. (10-8) FLD: Closed to non-radio equipped acft. Equip. on fld and ramp. Const E, SE bndry fld. Navy facs closed 1700 to 0800 except when Opers Officer notified 2 hrs prior to 1700. (10-29)
McFARLAND FLYING SERVICE (SPRINGFIELD)-Right traffic all strips. (10-1)
QUEEN CITY ARPK (SPRINGFIELD)-35' lgtd pole and lines N end N/S rnwy. (10-30)
★ROSECRANS FLD (ST. JOSEPH)-RADIO: Dec 17, CAA twr comm transmitting on 278 kcs. Guards 3105,4495,6210,3117.5 kcs. These data rcvd too late for inclusion on Flight Planning Charts or in "ANRA". FLD. Equip. on fld days. (12-7)
SPRINGFIELD ARPT-Use rnwys, taxi strips only-bal fld rough. Blinding 30 million candle pwr ceilometer in oper on E bndry. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)
VAUGHN ARPT (TRENTON)-1-1/2' ditch each side of strips. (9-19)

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BILLINGS ARPT-Lgtd lclzr bldg 1100' from W end E/W rnwy, lgtd glide path bldg 300' N of E/W rnwy adj E bndry. Army acft rstd from refueling except in extreme emerg. (10-22)
BUTTE ARPT-Blinding 30 million candle pwr ceilometer 267' E of center of N/S rnwy. (9-11)
CHINOOK ARPT-Avoid using when wet. (9-8)
COLUMBUS ARPT-Muddy in wet weather. (11-18)
★CUSTER-RADIO: Dec 5, CAA Commun Stn discont all opers. Range will continue to oper cont without voice.
CUT BANK ARPT-Ctc lgts avail. on req. (11-28)
GREAT FALLS AAF-Rnwy lgts 75' in from outer edge of rnwy shoulders-use 150' center strip. Rnwy lgts operating Rnwys 2-20, 16-34 only. (12-6)
HELENA ARPT-RADIO: About Jan 3, CAA twr will be reactivated and consolidated with the Airway Communication Stn into a single fac operated from the twr lctn. Control of air traffic within the arpt traffic zone will be during daylgt hrs. During hrs of darkness advisory service will be furnished acft equipped with two-way radio. (12-15) FLD: Rnwys rstd to acft under 30,000 lbs. Equip. on fld. Blinding 30 million candle pwr ceilometer 150' W of fld adj middle portion of W bndry. (10-21)
HOT SPRINGS ARPT-Rough-muddy when wet. (12-13)
LEWISTOWN ARPT-Use rnwys only. (11-13)
MILES CITY ARPT-Bndry lgts inop. (12-2)
MISSOULA CO. ARPT (MISSOULA)-NE/SW rnwy closed. NW/SE rnwy closed to class B-17 or heavier acft. (11-13)
MOORE ARPT-S end N/S strip rough. (7-30)
MULLAN PASS-RADIO: During winter months, range will be operated intermittently on reduced pwr-courses unreliable (ice on loops). (11-3)
POLSON ARPT-Usable with caution. (7-19)
POPLAR ARPT-Dangerous when wet. (9-6)
SIDNEY ARPT-Ends of strips in cultivation.

MONTANA

VALLEY CO. ARPT (GLASGOW)-NNE 1000' NNE/SSW rnwy dangerous-avoid using (9-7)
WOLF POINT ARPT-Hay stacks on fld. (9-10)

NEBRASKA

AINSWORTH MUN. ARPT-Use rnwys only. (10-27)
BIG SPRINGS-RADIO: See Special Notice.
CLAY CENTER ARPT-Use strips only. (5-19)
CLEAR RIDGE ARPT (OMAHA)-Use strips only. (9-26)
ELGIN ARPT-Haystacks on fld. (12-3)
FREMONT ARPT-Sod areas freshly seeded-unsafe for landing or taxiing when wet. (11-15)
GRAND ISLAND AAF-RADIO: Army ILS temp inop. (9-27). FLD:: Ctc Grand Island Rdo between 1700 and 0800 for landing. Refueling 0800 to 1700 only. (12-3)
★LEE BIRD FLD (NORTH PLATTE)-315' rdo twr erected 4.5 NW (330° T) at lat 41-11-19, long. 100-44-30. Top 3215' MSL. Lgtd and flash. red lgt on top. (12-5) Army acft rstd from refueling except in extreme emerg. (10-9)
LINCOLN ARPT-Rnwys and apron being sealed until approx Jan 20, 1947. Private acft taxi and park on ramp S of Admin Bldg-stay clear of Airline traffic. (12-6)
McCOOK AAF-NW/SE rnwy avail. only. (11-13)
OMAHA ARPT-RADIO: About Jan 15, oper of outer mrkr of CAA ILS will be temp suspended until about Jan 23, for installation of low freq compass ltr. FLD: Use rnwys only. Rnwy 17R-35L avail. days only. (12-17)
OVERTON-RADIO: See Special Notice.
SIDNEY INT, SITE 50, SL-OH-E/W strip avail., bal fld rough. (9-20)

NEVADA

**ANTELOPE VALLEY, BCN SITE 294, SF-SL-Blinker lgts discont. Dec 16. (12-16)
BATTLE MOUNTAIN-RADIO: SW course 3° S, bear. 46°. (10-25). 116.1 mc transmitter and receiver temp inop. (11-6)
BATTLE MOUNTAIN FLIGHT STRIP, SITE 35, SF-SL-Use paved surfaces only-shoulders soft. (12-8)
BOULDER CITY ARPT-SW end NE/SW rnwy unusable. (10-8)
DOUGLAS-TAHOE ARPT (MINDEN)-S 700' N/S taxiway closed. (4-2)
FALLON-RADIO: Stn unmanned 2300 to 0700.
FALLON ARPT-Closed except in emerg. (9-27)
FERNLEY INT, SITE 22, SF-SL-Rough with soft areas due wind erosion, soft sand, mrkd. (11-27)
**HARNEY, SITE 387 SF-SL-Discont. Dec. 11. (12-11)
LAS VEGAS-RADIO: VHF range will be comm soon at lat 36-11-06, long. 115-05-48. Bear. and distance stn to McCarran Fld: 24°, 4.2 mi. Freq. 109.1 mcs. Ident. "LQ". Courses: Visual, 29°, 209°, aural, 119°, 299°. Mag variation 16° E. Simult.voice channel and receiving watches (3117.5 kcs, 116.1, 131.7 mcs) avail. 24 hrs daily. Stn class: VAR-DTV. (12-10)
LAS VEGAS AAF-No weather forecasting. Clearance by AFS. Obst bcns No. 3 and 4 atop Sunrise Mtn inop. Ltd opers facs. No maintenance. (12-4)
**PLEASANT VALLEY, BCN SITE 306, SF-SL-Blinker lgts discont Dec 16. (12-16)
TAHOE SKY HARBOR ARPT (GENOA)-Trans or inexperienced pilots avoid using. (8-5)
TONOPAH-RADIO: Stn unmanned from 2400 to 0800 daily. (7-31)
TONOPAH AAF-RADIO: Army air to ground stn inop. (11-20).
YELLAND FLD (ELY)-Bcn, bndry lgts along N/S rnwy inop. (10-3)

NEWFOUNDLAND

★ARGENTIA-RADIO: Navy low-powered range located at lat 47-22-24, long. 53-54-24, var. 28° W. Ident. "APN". Courses realigned as follows: 71-A-161-N-251-A-341-N. Bear. and dist. range stn to Argentia Arpt: 251°, 4.6. (11-1) Navy range now guards 3017.5, 3105, 4495 kcs. Weather bdcast on the hour and 30 min after the hour. Stn class: SBRAZ. (11-1)

NEWFOUNDLAND

★ARGENTIA ARPT-RADIO: Navy twr now transmits on 3105,4495,3017.5,3295 6390,6970 kcs., 116.1,126.18,140.58,142.7 mcs. Guards 3105, 4495, 6210, 3017.5 kcs; 116.1 mcs.
★BUCHANS-RADIO: Weather bdcast 10 and 40: Stephenville, Buchans, Gander. Weather avail. in UCO (Plain) on req. Stn class: SBRAZ-P. (11-1)
★GANDER-RADIO: DF Stn comm Nov 1, 1946 at lat 48-56-00, long. 54-33-00. Var. 30° W. Call letters VOAC. Transmits on 3285, 6500, 6577, 8554,11319 kcs. Gds. 3285, 6500, 6577, 8554,6570, 11319, 2913 kcs. Weather bdcast 35 min after the hr. Oper by Civil Aviation Div., Nfld. Govt. DF on req. Weather in UCO (Plain). (11-1) H fac comm Nov 1, 1946 at lat 48-55-02, long. 54-34-02, variation 30° W. Call letters VOAC. Transmits on 333 kcs. Stn class: HW. Oper by Civil Aviation Div., Nfld. Govt on req. (manually oper). (11-1) Range now guards 3105, 4495, 6210 kcs. Weather bdcast 10 & 40: Stephenville, Buchans, Gander, Torbay, Botwood. Weather avail. in UCO (Plain) on req. Stn class: SBRAZ-PT. (11-1)
**GANDER ARPT-Elev 493'. (11-1).
★GANDER ARPT-RADIO: Twr now transmits on 278,4177 kcs, 116.1, 126.18 mcs. Oper by Civil Aviation Div. Simultaneous transmission on 278 kcs and 126.18 mcs. (11-1)
★ST. ANDREWS-RADIO: Weather bdcast 13 & 43: Sydney, St. Andrews, Stephenville. Weather avail. in UCO (Plain) on req. Stn class: BRAZ-P. (11-1)
★STEPHENVILLE-RADIO: New Army range comm Nov 1. 1946 at lat 48-33-00, long. 58-34-27. Var. 29° W. Ident. "JT". Courses as follows: 090-A-194-N-285-A-014-N. Transmits on 329 kcs. Gds 3017.5, 3105, 4495, 6210 kcs. Weather bdcast on the hr and 30 mins after the hr. Bear. & dist. range stn to Stephenville Arpt: 164°, 0.8 mi. Stn class: SBRAZ. (11-1)
★STEPHENVILLE ARPT-RADIO: New Army twr comm Nov 1, 1946 at lat 48-30, long. 58-25. Var. 29° W. Transmits on 278, 3017.5 kcs., 116.1, 126.18 mcs. Guards 3017.5, 3105, 4495, 6210 kcs, 116.1, 126.18 mcs. (11-1)
**STEPHENVILLE ARPT-Elev 22'. (11-1)
★TORBAY-RADIO: Weather bdcast 13 & 43: Gander, Torbay. Weather avail. in UCO (Plain) on req. Stn class: BRAZ-T. (11-1)

NEW HAMPSHIRE

BOIRE FLD (NASHUA)-Wind sock atop brick hangar indicates wind conditions. In calm air conditions, take-offs and landings made toward NW. 34' hangar under const adj to bldgs S border fld. (11-24)
BRATTLEBORO-HINSDALE ARPK (HINSDALE)-Use only N/S strip unless familiar with fld. (6-4)
CONCORD ARPT-3' cones installed at ends and sides Rnwys 17-35, 12-30. Cones placed immediately at side of each ctc lgt and will remain thruout winter. Grass portions fld avail. lgt acft. Trans acft use ctn to avoid cones. Acft taxiing at ngt remain on taxi strips and rnwys. (12-13)
DEANI MEMORIAL ARPT (HAVERHILL)-New strips dangerous when wet. (11-21)
★GRENIER FLD (MANCHESTER)-RADIO: Range class: SBMRAZ. Voice on range 0800 to 1800 only. These data rcvd too late for inclusion in "ANRA", (12-20). FLD: Crash facs avail. 0800 to 1800 only. (12-7)
HOOKSETT LAND & SEAPLANE BASE (HOOKSETT)-Avail. days only. (5-9)
LAKES REGION ARPT (WOLFEBORO)-CLOSED (const). Grass strip avail. in emerg. (11-18)
LANCASTER ARPK-New surface dangerous when wet. (11-21)
LEBANON-RADIO: See Special Notice.
LEWIS FLD (LITTLETON)-Center of fld dangerous when wet. (11-21)
NEWPORT ARPT-60' trees N end N/S strip. (10-9)

NEW JERSEY

ATLANTIC CITY NAS-Avail. 0800 to sunset. ETA prior to 0800 and after sunset rqrs 24 hr previous arrangement with Opers Officer. (12-11)
BENDIX-RADIO: Tests or exper. equip. will be conducted on freqs of 108.5,109.3 110.1 mcs.

NEW JERSEY

CAPE MAY CGAS-Closed to trans acft except in emerg (caretaker status-no facs)
CARTARET-Bcn, side lgts inop on twr Rdo Stn WOR. (7-24)
COYLE ARPT (CHATSWORTH)-Avail. emerg use only. (8-2)
LAKEHURST NAS-Rnwy tests in progress days. (11-19)
LAKE SUSQUEHANNA ARPT (BLAIRSTOWN)-Temp fence erected at SW bndry fld.(8-6)
LAKEWOOD ARPT-N/S strip under const. (10-15)
NEWARK ARPT-Closed to all acft without 2-way rdo. Landing fee for trans acft now in effect based on weight. All acft must taxi to Registry Office NW side fld and register. F 800' Rnwy 28 rough. Pilots are to make approach for numeral on Rnwy. No hangar space for Army acft. S 1800' from Extreme end pavement Rnwy 1 closed. 75' lgtd pile driver 1000' W of Rnwy 10 and 300' S of centerline of Rnwy 10. Ditch 12' E of and parallel to red approach lgts and overrun on Rnwy 6 extending up to green cte lgts then continuing from Rnwy 6 to E taxi strip. (12-12) To reduce the noise of acft flying over Newark residential areas and to avoid tall bldg section following must be complied with: 1. Increase the rate of climb as much as practicable. 2. N-bound or E-bound acft make left turn as soon as practicable when taking off to SW. 3. Make a half left turn as soon as practicable when taking off to W. 4. Make a half right turn as soon as practicable when taking off to N. Pass at least 500' to E of gas tanks lctd in Harrison when making a southerly direction approach to the N/S rnwy. 5. Whenever practicable the arpt traffic controller will suggest the use of rnwys which will permit the acft to avoid passing over residential and tall bldg areas. (9-7)
RED BANK ARPT-Area starting from hwy W 1200' to the intersection of the N/S strip unusable. E end E/W strip seeded. (10-28)
**SALEM ARPT-Fld X'd out to warn pilots of its non-operative status (12-4)
TETERBORO AIR TERMINAL (BENDIX)-Const. Pilots using fld to do so at their own risk. (12-3)

NEW MEXICO

ALAMOGORDO-AAF-RADIO: Army ILS (CAA type) inop. (8-7) FLD: Opers and svcg avail. 0730 to 1600 Mon thru Fri only. Rnwy 3-21 lgts inop. (7-19)
ALBUQUERQUE ARPT-Used by RFC. Avail. only for delivery surplus acft this fld, prospective purchasers of surplus acft or parts, or in emerg.
ANTON CHICO-RADIO: See Special Notice.
CONDON FLD-See notice under White Sands Proving Gnd, N. M.
CHENS FLD, SITE 42, EO-PU-(RATON)-CLOSED (const). (4-29)
GALLUP ARPT-E/W rnwy closed. (5-4)
GALLUP CITY FLD-ENE/WSW strip under const. (5-7)
**GUZMAN MT., BCN SITE 364 Mi Blinker, FM-EO-Gas blinker discont. (12-10)
HOBBS AAF-Rnwys 3-21, 12-30 closed. (10-16)
HOBBS MUN. ARPT-Allway landing area rough. Heavy acft use rnwys only.(7-21)
JUNDT FLD (STRAUSS)-Avoid E 500' E/W strip. Fld soft when wet, dusty when dry. Closed to cross-country acft when wet. S half E/W strip being widened. (5-28)
KIRTLAND FLD (ALBUQUERQUE)-RADIO: Army air to gnd stn. facs. inop. (11-20) Inner and outer mrkr of ILS inop (const). (12-5) FLD: Blinding 25 million candle pwr ceilometer 1000' N of Terminal Bldg. (6-5) 3 twrs being const approx 2 mi W of fld, will be 400', approx 20' above fld elev and lgtd with blinkers at 200' and 400' (11-26)
LAS VEGAS ARPT-Use rnwys only-bal fld unsafe. (11-13)
MAGDALENA MUN. ARPT-Large rocks, holes scattered over strips. Water across strips. Use ctn after rain. (5-6)
ROSWELL-Inten inst train. on Roswell Rdo Range below, above, and in overcast. Acft inbound to Roswell or operating in vcnty under IFR, ctc Roswell Rdo for instructions.
ROSWELL AAF-Ltd parking, svcg facs. (10-25)
SANTA FE ARPT, new-Rnwy lgts inop. Army acft rstd from refueling except in extreme emerg. Crash and fire fighting equip. avail. 0800 to 1600 Mon thru Fri only. (9-23)
SOCORRO-RADIO: See Special Notice.
WEST MESA ARPT (ALBUQUERQUE)-Surplus Acft Sales Center - parked acft.
WHITE SANDS PROVING GROUND-All AAF acft intending to land at Condon Fld, White Sands Proving Gnd will be cleared to Biggs Fld, Tex, and will obtain permission and instructions from Biggs Fld Opers before landing at Condon Fld. When Condon Fld is "Arpt of first intended landing", this will be indicated on AAF Form 23 and the above permission and instructions obtained from Biggs Twr by rdo prior to landing. Only acft under pertinent orders or off. bus. with White Sands Project will land at Condon Fld. (10-14)

NEW YORK

**AERO LAKE SEAPLANE BASE (KINGSTON)-New Base. Lat. 41-52-45, long. 73-58-30. (9-5) See page 144.
★ALBANY ARPT-RADIO: CAA twr now gds 3105, 4495, 6210, 3117.5 kcs, 116.1, 126.18, 122.5 mcs. These data rcvd too late for inclusion in "ANRA".(12-21 FLD: Equip. on fld intmtly. (11-13)
BENDER-BRENTWOOD FLD (BRENTWOOD)-Const on fld-ctn. (11-8)
**BOONVILLE ARPT-Lat 43-27-45, long 75-15-00. (5-11). This is not a new fld. Being restored to the data page from which it was inadvertently dropped. See page 41.
BRIGGS FLD (CARLISLE)-Right traffic pattern in use. (10-15)
BUFFALO ARPT-Acft entering and departing Buffalo traffic zone use ctn-new arpt 4000' ESE. 70' unlgtd) smokestack W endry fld between E/W and NE/SW rnwys. Rnwys and taxi strips mrkd with black flags for winter opers.(10-24
CHEMUNG CO. ARPT (ELMIRA)-Gliding and soaring over fld and vcnty. Lgts on req. Traffic gun front of main hangar during air carrier opers to control lcl traffic and at other times when circumstances make such practices consistent with safety. (11-17)
CLASON'S POINT-RADIO: About Jan 15, 1947, weather permitting, present New York Range will be decomm. Simultaneously Clason's Point range will be comm at lat 40-49-11, long. 73-50-33. Freq. 209 kcs. Ident. "LP" Bear. and dist, stn to La Guardia Fld: 222°, 3.2 mi. Courses will be: 42°, 129°, 222°, 273°. Stn class: SBRAZ-VDT. VHF voice fac will transmit on 116.1 mcs. Stn will gd: 3105, 4495, 6210, 3117.5 kcs, 116.1 mcs. Clason's Point LFM will be decomm. FM will be comm at New Rochelle, N.Y. at lat 40-53-17, long. 73-47-19, on NE course. Bear. and dist, range to FM: 42°, 5.6 mi. Ident one dash. These facs, outer mrkr on CAA ILS La Guardia Fld will be comm. Simultaneously. (12-18)
CLINTON HOLLOW, BCN SITE 8, LG-UL-Soon, rot. bcn with red course lgts will be comm at lat 41-51-20, long. 73-51-10. Elev 640' MSL. (11-25)
CROTON AIR PARK (PEEKSKILL)-Hangar under const. (6-11)
DANSVILLE-RADIO: See Special Notice.
DUNKIRK-RADIO: See Special Notice.
FLOYD BENNETT FLD NAS (NEW YORK)-Closed 1700 to 0800. (8-15)
FORT PLAIN INT, SITE 40A, CV-AZ-NE/SW strip, SE 700' NW/SE strip rough.
GLENS FALLS-RADIO: See Special Notice.
**GLENS FALLS ARPT, SITE 184,LG-UL-350' twr of Rdo Stn WWSC, 3.5 mi SSE (151°T), lgtd. (12-12)
GLOVE CITY ARPT (GLOVERSVILLE)-Right traffic except when taking off or landing to E. NE corner fld unusable-soft area mrkd. Closed to all acft above 250 horse pwr. (11-25)
HILTON ARPT-Use rnwys, taxi strips only, bal fld closed. (4-1)
HUDSON, BCN SITE 10, LG-UL-Soon, rot. bcn with red course lgts will be comm at lat 42-14-04, long. 73-49-04. Elev 548' MSL. (11-25)

HYLAN FLD (ROCHESTER)-Use strips only - ctn when wet. (5-18)
IDLEWILD-RADIO: Courses gnd-checked only. (12-18)
IDLEWILD ARPT-Temp pavement on runwys R-N/S and C-NE/SW being removed with trenches across rnwys presenting extreme hazard even in emerg. Not yet opened-const. (10-15)
ITHACA ARPT-Right traffic pattern in use. (8-3)
KINGSTON-ULSTER ARPT (KINGSTON)-ESE/WNW strip closed. (3-20)
★LA GUARDIA FLD-RADIO: Maspeth compass ltr comm same date at lat 40-42-52, long. 73-55-47, 4.5 mi from La Guardia Fld, on temp freq. 317 kcs, ident "O". These data rcvd too late for inclusion in the "ANRA". Dec.17, outer marker of CAA ILS will be relctd at lat 40-42-52, long. 73-55-47, lctd 4.4 mi SW of SW end NE/SW. FLD: ARMY ACFT HAVING OFF. BUS. WITH HQ ATLANTIC DIV ATC FT. TOTTEN, N.Y. SHOULD LAND AT MITCHELL FLD AND USE ATC OPER FACS THAT POINT. CLOSED TO ALL NAVAL ACFT EXCEPT THE FOLLOWING BECAUSE OF HEAVY TRAFFIC AND INSUFFICIENT SVCG FACS: Acft containing personnel on off. bus. or with Cmdr. Eastern Sea Frontier or Hdqs 3rd Naval District when RON or refueling services not rqrd. Acft containing officers of flag rank shall not be forbidden fld. TRANS NAVAL ACFT USE NAS FLOYD BENNETT. 10' high, 40' long obst 190' N of NE/SW rnwy, lgtd. Obst lgts atop ldgr shack approach end Runway 22 and end Runway 4.20' lgtd bldgs 300' E of NE end NE/SW rnwy. Truck and 30' crane NW corner fld adj to rnwys days. Ditch N end approx 400' off W side Runway 4-22 parallel to rnwy. Area from end of Runway 18 to intersection of Runway 9-27 being graded days. (12-7)
MacARTHUR FLD (ISLIP)-Mobile ILS units 20' high on all rnwys 500' from rnwys centerline, lgtd. Acft use ctn-unconventional flight test oper. (11-18)
MALONE-DUFORT ARPT (MALONE)-Avail. ski-equipped acft only. (11-21)
MASSENA-156' twr Rdo Stn WMSA lctd 232°, 3.0 mi SE, temp lgtd with red lgts on top. Upon completion lighting facs will consist of 300 mm flash. bcn atop and four side lgts; two at 1/3 level, 2 at 2/3 level. (9-9)
★MASSENA-RADIO: VHF range comm Dec. 12 at lat 44-54-50, long. 74-43-23. Freq. 108.7 mcs. Ident. "ME". Aural courses: 143°, 323°, visual courses: 53°, 233°. Var. 14° W. Range flight-checked and courses correctly aligned. See page 17.
MASSENA ARPT-Use rnwys, taxi strips only - turf rough. (6-11)
MITCHELL FLD (HEMPSTEAD)-RADIO: Army ILS (CAA type) temp inop. (12-20) FLD: Rnwy 18-36 closed. (12-18)
**MT. BEACON, BCN SITE 5, LG-UL-Bcn site restored to normal operation, relctd - 800' in an easterly direction from old site. (12-5)
NASSAU ARPT (HEMPSTEAD)-Fld not mntnd. (6-28)
NEW HACKENSACK-RADIO: About Jan 15, range will be comm at lat 41-33, long. 73-51-54. Bear and dist, stn to fld: 185°, 5.3 mi. Freq 236 kcs, ident. "NK" Courses: 39°, 92°, 193°, 272°. Var. 12° W. Class: SBRAZ-DT. See Stewart Fld.
NEW HACKENSACK, BCN SITE 6, LG-UL-Soon, rot. bcn with green course lgts will be comm at lat 41-38-09, long. 75-52-34. Elev 261' MSL. (11-25)
**NEW PALTZ, Bcn Site 7A-LG-UL-Decomm. (12-11)
★NEW ROCHELLE-RADIO: Compass ltr comm Dec 19, at lat 40-53-17, long. 73-47-19 Freq. 275 kcs. Ident "R". These data rcvd too late for inclusion in "ANRA".
NEW YORK-Each week end, weather permitting, bwtween the hrs. of 0900 Sat and 1600 Sun, Naval acft from NAS New York will conduct live gunnery runs and practice bombing in the following area over New York Harbor; beginning at lat 40-32, long 73-46; to lat 40-34, long 73-15; to lat 40-00, long 73-15; to lat 40-00, long 73-55; to lat 40-22, long 73-55; to lat 40-22, long 73-46 to the point of beginning. (11-15) THIS ACTIVITY HAS NOT YET BEEN CLEARED WITH THE AIRSPACE SUBCOMMITTEE.
NEW YORK-SPECIAL NOTICE-RADIO: See Clason's Point Rdo.

NEW YORK CITY-See Special Notice "Restriction on Flight of AAF Acft in New York City Area".
NIAGARA FALLS ARPT-Use rnwys, taxi strips only-soft spots along edges new E/W rnwy, mrkd days. Grass area S of mid E/W rnwy and E of N/S rnwy closed (tall stakes being driven into sod). Army acft rstd from refueling except in extreme emerg. Obst, rnwy lgts avail. 2000 to 0800. (10-30)
**OGDENSBURG ARPT-Redesignated as Airport of Entry for period of one yr from Dec. 10, 1946. See page 17.
PULASKI ARPT-Const. Landing area being extended in all directions.(8-7)
ROCHESTER ARPT-Use rnwys only-soft. No hangar space. Equip. on fld days.
ROME AAF-Traffic alt 1500' MSL. Right traffic pattern. (7-15)
SALAMANCA ARPT-SPECIAL NOTICE: The Common Council of the City of Salamanca passed ordinance that any person violating traffic pattern, Federal and State regulations subject to a penalty of $100. for each violation. Closed to heavy acft. Right traffic pattern when landing and taking off to W-variable pattern to clear houses 1000' W of end of strip. (10-9)
SARANAC LAKE ARPT-Use rnwys, taxi strips only-turf rough. (11-27)
SCHOHARIE CO. ARPT (RICHMONDVILLE)-Right traffic when landing to the E.
SHERIDAN ARPT (WILLIAMSVILLE)-E/W rnwy under const-NE/SW avail. with ctn. (11-22)
SMITHPORT INC. (UTICA)-Hangars under const. (10-14)
STEPHENTOWN-RADIO: FM to be relctd on E course of Albany, N. Y. range.
STEWART FLD-RADIO: About Jan 15, range will be decomm concurrently with commissioning of New Hackensack fac. (12-22)
STEWART FLD (NEWBURGH)-Pilots unfamiliar with Stewart Fld let-down procedure will not be cleared this fld under actual inst conditions. Final approach under these conditions will be made on SW leg Stewart Fld range only. (8-5)
SYRACUSE ARPT-Turf areas soft after heavy rains. (9-10)
TIVOLI, BCN SITE 9, LG-UL-Soon, rot. bcn with red course lgts will be comm at lat 42-03-29, long. 73-49-01. Elev 321' MSL. (11-25)
TONAWANDA ARPT-NE/SW strip rough. Acft land on either side of rnwy. (6-11)
TROY ARPT-Bcn inop. (10-10)
UTICA ARPT-Bcn lgt burning but not rot. (11-13)
WATERTOWN ARPT-Installing lgts. Land, taxi with ctn-holes along rnwy edges. (8-1)
WESTCHESTER ARPT INC (ARMONK)-Const, tree removal equip on fld. (8-16)
WESTCHESTER CO. ARPT (WHITE PLAINS)-Const, excavation, equip. SW end NE/SW rnwy. Lgts inop due to repairs. 3 unlgtd 40' masts being erected off bndrys of fld approx 1000' SE of intersection of N/S and E/W rnwys. Equip. on NE end NE/SW rnwy daily from 0700 to 1800. (10-8)
WINGDALE ARPT-Avail. lgt acft only-rough. (3-21)

NORTH CAROLINA

ASHEVILLE-HENDERSONVILLE ARPT (ASHEVILLE)-No ctc lgts installed on NW/SE rnwy, approach all rnwys with ctn, equip on fld. No rdo facs. (1-7)
ATLANTIC MCAAF-Use in emerg only (caretaker status - no facs).
BALLOON FLD NO. 1 (FORT BRAGG)-CLOSEDTO ALL ACFT. No army maintenance.
BOGUE MCAAF-Closed to all acft except in emerg (no facs). (7-11)
BROOKS ARPT (RED SPRINGS)-NNW/SSE strip soft, rough. (12-6)
BURLINGTON ARPT-CLOSED (equip). (11-25)
CANNON ARPT (CHARLOTTE)-Surplus Acft Sales Center - parked acft.
CHERRY POINT MCAS-RADIO: Temp repairs made Navy range, use with ctn. (11-20)
FLD: Const, equip. on rnwys. Rnwy lgts being repaired. (7-17)
EDENTON NAS-Use in emerg only (caretaker status - no facs).
ELIZABETH CITY CGAS-Stay on rnwys-shoulders soft, rough. Closed ngts from 1930 to 0730 except on prior req. All fld and rnwy lgts inop. (12-12)
FAIRCHILD-CIVIL ARPT (BURLINGTON)-Use rnwys, taxi strip only. No fld facs.

[redacted]

PORT BRAGG-Heavy firing is being conducted in all sections of Fort Bragg danger area up to 20,000 ft. All acft must avoid this area shown on Flight Planning chart 110 herein. Inten train. days with rdo control target planes from fld 6 mi due E of N end Pope Fld. Acft will operate within circle of 4 mi radius from center of fld with max alt of 2000' taking off by catapult, landing by parachute.

GREENSBORO-HIGH POINT ARPT (GREENSBORO)-Both sides Runway 32 to intersection soft, rutted. Use runways only. (12-5)

KINSTON MCAAF-Avail. civil. acft only in emerg. (11-13)

LEXINGTON ARPT-Ctn-strip rolling. (10-1)

MORGANTON ARPT-Soon will be closed to all acft-use Riverside arpt. (4-26)

POPE FLD (FORT BRAGG)-CLOSED TO LIAISON TYPE ACFT WITHOUT 2-WAY RDO-USE AUX STRIP 2 MI N, AT FT. BRAGG. Svcg avail. that fld. Heavy glider traffic. Equip. on fld days. (12-11)

★RALEIGH-DURHAM ARPT (RALEIGH)-RADIO: Middle mrkr of CAA ILS comm Dec 20, keying alt dots and dashes. Not flgt-checked. FLD: ILS and transmitter bldgs 900' from NE end NE/SW runway. Glide path unit 400' S centerline and 900' S of SW end NE/SW runway. Approach lgts 75' N of S end NE/SW runway and extending 1500' from end of runway. All obsts mrkd. 55' control twr under const N side fld near Admin Bldg, unlgtd. Const on ramp in front Admin Bldg., lgtd. (12-20)

ROANOKE ISLAND ARPT (MANTEO)-Bcn inop. (10-4)

SEYMOUR-JOHNSON FLD (GOLDSBORO)-Use runways only-shoulders soft.

THOMASVILLE ARPT-Ctn-strip rolling. (10-2)

WEEKSVILLE NAF-ITA-RADIO: Range voice fac inop. Ctc Coast Guard twr Elizabeth City. (12-17) FLD: Avail. HTA and ITA acft daylgt hrs; ngts by prior arrangement or in emerg. (9-3)

[redacted]

ASHLEY-RADIO: See Special Notice

BISMARCK ARPT-Use runways only. Equip. on fld intmtly. Army acft rstd from refueling except in extreme emerg. Crash and fire fighting equip. avail. 0800 to 1900 only. (12-5)

CHANTIER ARPT (WILLISTON)-Use strips only, bal fld rough. (5-10)

DAWSON INT, SITE 63, HL-TWIN CITIES-Lgtd snow fence erected in E-W direction approx 75' N of present fld bndry lgts SE corner fld. (10-30)

DICKINSON MUN. ARPT-30' hay stacks near all edges fld. Use runways only. (10-9)

FARGO ARPT-HECTOR FLD (FARGO)-Weather below CFR mins indicated by oper of bcn days and flash. tetrahedron lgts ngts. (12-17)

GOLVA-RADIO: See Special Notice.

GRAND FORKS ARPT-50' const booms adj to NE corner fld, lgtd ngts. (11-21)

JAMESTOWN ARPT-Obst lgts atop 190' twr Rdo Stn MSJB, 2 mi SW discont. Twr being dismantled. (11-4)

PEMBINA INT, SITE 14A, FO-WG-Avail. ski-equipped acft only. (12-5)

**VALLEY CITY ARPT, SITE 71 HL-TWIN CITIES-Bcn course lgts changed from red to clear. Lgtd wind cone oper. (12-14) See page 12. Stripe soft. Use runway during thaws. (12-15)

[redacted]

AKRON ARPT-Surplus Acft Sales Center-parked acft. Use runways only. Equip. on fld days. Trans pilots must register in Admin Bldg on arvl and dptr. Ltd svcg facs only. (12-11)

AKRON-CANTON ARPT (GREENTOWN)-New arpt under const. Will be avail. soon. (10-18)

ARCHBOLD-RADIO: See Special Notice.

BRECKLING AIR SERVICE (CLEVELAND)-Large ramp under const. (7-24)

BRICKER FLD (BOWLING GREEN)-Use right traffic when landing or taking off to N, W and SW. (11-24)

[redacted]

BROOKFIELD ARPT-Avail. lgt acft only. N/S strip under const. (4-21)

BRYAN-DEFIANCE MEMORIAL ARPT (DEFIANCE)-NE/SW runway under const. 50 pot torches on E-W runway avail. for ngt landings on prior req. (11-27)

CEDAR LAWN ARPT (KENTON)-Use strips only. (6-26)

CHERRY FORK-RADIO: See Special Notice.

CINCINNATI-RADIO: Range appears unreliable. These data rcvd too late for ⓞ symbol. (12-23)

CINCINNATI ARPT, INC. (SHARONVILLE)-Taking off to W, SW, S use right traffic pattern. Land with wind tee regardless of wind direction. (11-25)

CLEVELAND ARPT-Three 200' twrs 10 mi SE lgtd at 2 levels, top with temp steady burning bcn, top ten to be replaced by flash. type. (11-30) Trans pilots must register in Terminal Bldg upon arvl and dptr. Landing fee on all civil. multi-engine acft. (12-16)

CLINTON CO. AAF (WILMINGTON)-Runways lgts avail. on one hrs notice. For flight thru danger area, permission must be obtained from Cincinnati ATC Center upon entering or prior to dptr from ATC area. Inten inst train. being conducted-for danger area description see Wilmington, Ohio. (7-8)

CONNEAUT ARPT-Use mowed strips only. (6-4)

**DAYTON ARPT-Inst Landing Sys neon approach lgt lane off SW end runway 6-24R comm Dec. 14. Consists of poles spaced 100' apart graduated from approx 3' to 32' in height for dist of approx 1500' from end of runway. (12-14) See page 69. Use runways only at ngt. Equip. on fld. (12-14)

FINDLAY ARPT-Lgtd bldg under const NE of fld. (10-21)

GRIESER ARPT (WAUSEON)-Use strips only. (7-3)

GRIMES FLD (URBANA)-Use strips only. Land acrdg to wind tee lgtd in center of fld. (11-23)

LANSDOWNE ARPT (GREENVILLE)-Equip on fld intmtly. (8-12)

LOCKBOURNE AAB (COLUMBUS)-RADIO: Lclzr of Army ILS inop. (10-17)

LORAIN CITY ARPT (LORAIN)-Water main being run thru the SW corner of fld, temp shortening NE/SW strip to 1800'. (9-27)

LUNKEN ARPT (CINCINNATI)-Fast landing acft use ctn. Slightly rolling section Runway 6-24. Army facs ltd. (11-1)

MARION ARPT-Use only NE/SW, NW/SE strips W side fld. NE/SW, NW/SE strips extend into cultivated area E end fld. (6-4)

MATHER ARPT (CLEVELAND)-Closed to trans acft except on special permission Const on 1000' NW/SE, 1100' NE/SW runways. (11-25)

MEDINA PRICHARD ARPT (MEDINA)-Soft when very wet. (10-14)

MIDDLETOWN ARPT-Right traffic pattern taking off to S, SW and W.

NORWALK ARPT-Ditch N end N/S strip adj to side of road. (7-26)

OHIO STATE UNIVERSITY ARPT (COLUMBUS)-Const. Trans use runways only. (9-17)

PARKS WATSON ARPT (CINCINNATI)-Right traffic in take-offs to E, NE, SE.

PATTERSON FLD (FAIRFIELD)-RADIO: Glide path of Army ILS unreliable for ceilings under 100'. (7-1) Army OCA sys temp deactivated. (8-16) FLD: Equip. on fld. (11-1)

PAULDING CO. ARPT (PAULDING)-Soft when wet, land at own discretion. (11-26)

PORT CLINTON-RADIO: See Special Notice.

PORT COLUMBUS NAS (COLUMBUS)-RADIO: Effect Dec 23, CAA twr will transmit on 278 kcs, 118.5, 126.18 mcs only: Will gd 3105, 4495, 6210, 3117.5 kcs, 131.9, 118.5, 126.18 mcs. (12-7)

**PORT WARREN ARPT (WARREN)-Lat 41-16, long. 80-48. (12-1) See page 40.

RAVEN ROCK ARPT (PORTSMOUTH)-Right traffic when landing and taking off in an easterly direction. Left traffic used all other times. (11-6)

TAYLORCRAFT ARPT (ALLIANCE)-No rdo. Left traffic 800' pattern. Test flying. Land according to wind tee atop NE corner of hangar. Use rnwys only. Unlgtd bldgs entire S bndry fld. Trans pilots must register in Opers Office upon arvl and dptr. (12-13)
WARD ARPT (BEDFORD)-SW end NE/SW strip under const. (11-27)
WELLINGTON ARPT-Right traffic on N and SW rnwys. (10-19)
WILMINGTON-Experimental flying is being conducted within the following described area: beginning at lat. 39-41, long. 83-01-30; S to lat. 38-48-40, long. 83-02-30; NW to lat. 39-11-20; long. 84-00; N to lat. 39-42-10, long. 84-00; E to point of beginning. This area should be avoided at all time.
WRIGHT FLD (DAYTON)-CLOSED TO ALL TRANS MIL ACFT EXCEPT ON AUTHORIZED OFF. BUS. THIS STN OR IN EMERG AND TO ALL TRANS NAVAL ACFT. ALL OTHER ARMY ACFT AND TRANS NAVAL ACFT USE PATTERSON FLD. No svcg 2400 to 0730. Sod area closed. Exten exper and train. flights. Ltd maintenance. No quarters for trans crews. (10-22)
WYNKOOP ARPK (MT. VERNON)-Under const. (6-20)
YOUNGSTOWN-RADIO: Stn lctn mrkr flgt-checked Dec 13, pattern normal.
YOUNGSTOWN ARPT-Use rnwys only. Equip. on fld. (12-5)
ZANESVILLE ARPT-Use rnwys, taxi strips only-newly seeded areas. Tetrahedron ngts on req only. Rnwy in use lgtd cont. (12-5)

OKLAHOMA

ALTUS MUN. AIRPORT-Avail. only for delivery surplus mil acft or in emerg. Equip on and near N/S rnwy. (12-13)
ARDMORE ARPT-Being used by American Airlines. Avail. trans acft in emerg only. No fuel or svcg avail, trans acft-use Ardmore Arpt, Site 10, FV-WD. Intsn ctc and inst train. in progress. (9-13)
CIMARRON FLD (YUKON)-Now a WAA Sales and Sto. Center. No svcg, repairs or overngt sto. Planes parked on fld. 4 strips indicated by pylons and mrkrs. Lime mrkings center of each strip. (11-27)
ENID AAF-RADIO: Army range unreliable. (10-4) FLD. Ltd parking facs. Use rnwys, taxiways only. (5-8)
**FREDERICK ARPT, mun-ABANDONED. (11-6) See page 93.
GARTHOFFNER COUNTRY CLUB ARPT (OKLAHOMA CITY)-Only N/S, NW/SE strips avail. (11-26)
GREAT SALT PLAINS BOMBING RANGE (JET)-Trans acft land at Enid AAF for permission to use this fld. (6-10)
GUTHRIE INT, SITE 21, FV-WD-Course lgts changed to red. Bndry lgts decomm. (11-25)
HATBOX FIELD-MUSKOGEE AIRPORT (MUSKOGEE)-Use rnwys only-parked acft.
**HOBART ARPT, mun-ABANDONED. (11-7) See page 93.
LAWTON ARPT-Obst lgts inop. Bndry, flood lgts on req. (12-2)
MAX WESTHEIMER FLD (NORMAN)-Avail. all acft up to 30,000 lbs days only. Lcl traffic avoid flying over bldg area and corporate limits of Norman. (12-2)
MUNICIPAL ARPT (BOISE CITY)-Emerg use only. (5-11)
NEWKIRK SKYPARK-NW/SE strip under const. (8-3)
NUCKOLS FIELD (OKLAHOMA CITY)-Use rnwys only. (1-14)
PONCA CITY ARPT-Obst lgts atop 175' twr 1 mi S inop. (12-5)
POST FLD (LAWTON)-Closed to all except liaison type acft. Ext. const. Equip. on entire W half and NW portion fld. Closed ngts. Flash. bcn atop balloon hangar inop. Soft spots. Const on rnwys. 5000' rnwy under const. (11-19).
ROOSEVELT-RADIO: Dec 5, VHF range flgt-checked and comm on cont oper on an exper basis only (no facs to control or monitor range). Lat 34-52-00, long. 99-03-48. Freq. 108.7 mcs. Ident "RO". Visual courses: 53°, 233°; aural courses: 143°, 323°.
SHAWNEE ARPT-Use rnwys, taxi strips only. (11-25)
**SPRADLIN ARPT (HOLLIS)-ABANDONED. (11-7) See page 93.
TINKER FIELD (OKLAHOMA CITY)-RADIO: Army range reported unreliable for orientation and homing. (10-30) FLD: Equip. on Airdrome. (10-24)
★TULSA-RADIO: Dec 16, SE course realigned to 287°
TULSA ARPT-Pilots without radio watch twr lctd SE corner fld for lgt signals. Use rnwys, taxi strips only. Const on Terminal Bldg ramp. Equip. on fld days, lgtd ngts. Svcg, crash and fire fighting equip. avail. 0800 to 1700 Mon thru Fri only. (10-26)
**VICTORY FLD (ALTUS)-ABANDONED. (11-7) See page 93.
WILL ROGERS FLD (OKLAHOMA CITY)-Ditch at approach end Rnwys 30, 35, lgtd. Bndry lgts inop-etc lgts on rnwy in use will burn cont ngts. All asphalt taxi strips closed to DC-4 type acft. (11-6)
WOODRING FIELD (ENID)-Use rnwys only. (8-5)

OREGON

★ARLINGTON-RADIO: CAA Commun Stn and all facs decomm Dec 5.
BAKER ARPT-Use rnwys only. Equip. on fld days. Erecting 25' unlgtd bldgs adj to and outside bndry lgts-700' E of N/S, 700' S of E/W rnwys. (9-14)
BEAVER MARSH INT, SITE 73, RV-MD-Avail. large acft with ctn-unsafe lgt acft. (12-10)
BLUE STAR ARPK (EAGLE POINT)-Hangars under const. (10-18)
CIVIL AIR PATROL ARPT (MORDEN)-CLOSED (muddy during winter months). (11-26)
DALLAS ARPT-Closed to lgt acft-soft. (12-13).
EUGENE ARPK-N/S rnwy closed-To be used as taxiway only. (9-13)
GRANTS PASS ARPT-Ctn when wet-landings to N, take-offs to S-steep grade. (6-5)
HOOD RIVER ARPT-Grading in progress to widen and lengthen strips. (9-16)
★LA GRANDE-RADIO: Dec 5, CAA Commun Stn and all radio facs decomm.
**MAHLON SWEET FLD (EUGENE)-RADIO: CAA ILS comm Dec 20, serving the N/S rnwy with approach from the N. Lclzr lctd 1100' S of S end N/S rnwy on centerline with approach lgt land at N end. Freq. 109.9 mcs. Glide path lctd 750' from N end N/S rnwy 400' to the E. Freq. 333.8 mcs. Mag. heading for landing: 159°. Two marker bcns: middle marker lctd. 63 mi N of the N end of N/S rnwy on centerline with modulation freq of 1300 cycles keyed alternate dots and dashes. Outer marker lctd 4.5 mi N of the N end of the N/S rnwy on centerline with modulation freq 400 cycles keyed two dashes. These data rcvd too late for inclusion in "ANRA" or Directory.
MAHLON SWEET FLD (EUGENE)-Equip. on fld. Use rnwys only. (10-6)
MEDFORD AAF-Use rnwys, taxi strips only. Tetrahedron controllable from twr until wind reaches velocity of 10 mph. No bndry or flood lgts. No maintenance mil acft. (12-13)
★ONTARIO-RADIO: Dec 5, CAA Commun Stn and all radio facs decomm.
★PORTLAND-RADIO: Dec 18, Portland LFM discont. Soon ident of Woodland FM will be changed to two dots four dashes. Lacenter FM will be comm soon at lat 45-49, long. 122-30, lctd 12 mi on N course of Portland range, Ident 4 dashes. (12-19)
PORTLAND AAB-Flash. lgts on tetrahedron indicates suspension CVR flights. Ltd JP-1 fuel avail. Use rnwys, taxi strips only. ILS lgt lane being const on approach to NW/SE rnwy. Vertical poles extend outward NW 1543' from end of NW/SE rnwy. elev of outer pole 38' and 14' above top of dike. Pole line 160' NE of rnwy center line. Temp red obst lgt top of highest pole. (12-10)
ROSEBURG INT, SITE 41A, SV-SA-Unlgtd 100' pole 1200' S, 300' E of bndry. (12-3)
SANTIAM JUNCTION FLIGHT STRIP (IDANHA)-Land to the E, take-off to W. (11-26)
TROUTDALE AIRPORT-Surplus Acft Sales Center-parked acft.
★WILLAMETTE-RADIO: FM ident changed to dash dash. (12-19)

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••ALLENTOWN-BETHLEHEM ARPT (ALLENTOWN)-190' twrs of Rdo Stn WSAN erected 2 mi SW (242°T) at lat 40-38-10, long. 75-29-06. 250' twr of Rdo Stn WGPA-FM erected 8 mi ESE (108°T) at lat 40-37-13, long. 75-17-37. 250' twr of Rdo Stn WGPA erected 2.5 mi SI (136°T) at lat 40-37-43, long. 75-23-38, all twrs obst lgtd. (12-9).
ALLENTOWN-BETHLEHEM ARPT.(ALLETOWN)-Areas off rnwys soft in wet weather. Floodlgts Rnwys 9, 14, 18 inop. 160' stack under const 2 mi SW, lgtd. (12-15)
••ALTOONA-BLAIR COUNTY ARPT, SITE 24A, CO-PG-Will hereafter be carried as Blair County Arpt Site 24A, CO-PG Martinsburg, Pa. (12-5) See page 73.
BARRETT ARPT (CANADENSIS)-Closed during winter months. (11-15)
BEAVER FALLS ARPT-Patterson Heights Arpt-1.5 mi S Beaver Falls is not under const, entirely avail. New fld. Beaver Falls Arpt closed-under const and soft. (3-30)
BLAIR CO. ARPT, SITE 24A, CO-PG (MARTINSBURG)-Use rnwys only. (12-5)
BLOOMSBURG ARPT-Temp too soft for use (recent floods). (6-1)
BROOKVILLE-RADIO: See Special Notice.
•BUTLER-ALAMEDA ARPT (BUTLER)-Pilots avoid hospital area adj arpt. Use right traffic on W take-off. (11-27)
CARLISLE AIRPORT-NW/SE strip under const. Use ENE/WSW strip only. (6-11)
CECIL-RADIO: Visual and aural FM signals reported in Vicinity of Imperial, Pa. (7-17)
CHAMBERSBURG-High explosives being discharged approx 7 mi NW thru Feb. 5, 1947, daily Mon thru Sat 0800 to 1700 within the following area: N bndry lat. 40-01; S Lat. 39-59-30; E long. 77-47; W long. 77-49. (8-3).
CHEMUNG VALLEY ARPT (ATHENS)-Right traffic when taking off or landing to the W and N. 500' extension E end E/W strip under const. (12-10)
CUB HAVEN ARPT (LOCK HAVEN)-Use rnwys only. Lgt acft may land in grass area immediately S of E/W rnwy-avoid area in wet weather. (11-28)
CUB HAVEN AUX. SEAPLANE BASE (LOCK HAVEN)-Closed during winter months. (11-15)
DALEVILLE ARPT-Right traffic used on take-off in the direction of S by SE. (11-29)
EAST SCRANTON ARPT (SCRANTON)-Emerg use only. (5-28)
GREATER PITTSBURGH ARPT (PITTSBURGH)-Use rnwys only-shoulders soft. CPR plans only. Ltd Army facs. Rnwy 32, first 500' Rnwys 23, 27 closed. Equip. on fld. (12-16)
••HARRISBURG AIR HARBOR SEAPLANE BASE (HARRISBURG)-No facs. Closed for the winter. (12-18) See page 144
HARRISBURG STATE ARPT (HARRISBURG)-Use rnwys only. (12-5)
JOHNSTOWN AIRPORT-Use rnwys only. (7-1)
KAISER FIELD (BRISTOL)-Rnwy shoulders soft, unsafe for heavy acft during wet weather. Use rnwys only. (5-27)
LANCASTER ARPT-Drain-pipe on both sides NW/SE strip, mrkd-stay between red flags. Sinkhole extreme E end E/W strip-2 holes S end N/S strip, mrkd. (11-27)
MILLBROOK-RADIO: VHF range temp. shut down. (5-10)
MT. POCONO AIRPORT-SITE 21, BUFFALO-NEW YORK-Shoulders NE/SW rnwy rough, not graded. Hazardous ruts along S side NW/SE rnwy. Use rnwys only. (5-22)
MOUNT UNION ARPT-Left traffic 600' pattern. Student train. Land according to wind tee S end fld. Wind sock atop hangar. Use rnwys, taxi strips only in wet weather. Entire fld usable in dry weather. (12-2)
MUSTIN FLD NAAS (PHILADELPHIA)-Avail. ngts to pilots familiar with fld and surrounding obsts. Others and pilots of transport planes over 9000 lbs use Philadelphia Southwest Arpt for ngt landings and take-offs. Closed to acft 50,000 lbs or over. Left traffic pattern at 1000'. (8-5)

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OLMSTED FLD (MIDDLETOWN)-Ngt landings hazardous. Obsts adj fld. 81' high tension wires across approach zones Rnwys 29, 14. Lgtd obsts between Rnwys 29, 32, approx 1000' from rnwys. Two 150' obsts right of Rnwy 29, lgtd. Ridges to WSW, ENE 300 to 700' higher than fld. Closed to E-29 opers. Use rnwys 11, 32 for ngt landings. (10-14)
PHILADELPHIA NORTHEAST ARPT (PHILADELPHIA)-Avail. radio-equipped acft. Use rnwys only. Equip. on fld intmtly days. Trans pilots must register in Admin Bldg on arvl and deptr. (10-15)
PHILADELPHIA SOUTHWEST ARPT (PHILADELPHIA)-RADIO: Lclzr middle and outer mrkr of CAA ILS operating cont on 109.9 mcs for test purposes only Transmitter lctd E end E/W rnwy. Ident. "PG". (11-19) FLD. Closed to non-radio-equipped acft except in emerg. Const. on fld. Use rnwys only. Use ctn in taxiing. (10-8)
PITTSBURGH-RADIO: DF stn temp inop. (11-24)
PITTSBURGH-ALLEGHENY CO. ARPT-N/S rnwy closed. Equip. on fld, grkd. Closed to non-rdo equipped acft. (12-11)
PITTSBURGH-BETTIS ARPT(PITTSBURGH)-Right traffic on NE and NW rnwys. (11-30)
PITTSBURGH-BUTLER ARPT(BUTLER)-Land in accordance with wind tee. Wind cone atop hangar for wind direction only. (11-27)
READING ARPT-RADIO: CAA ILS comm Oct 9 on Rnwy 36 on exper basis. Lclzr on 109.5 mcs. Not flight-checked. Lclzr temp inop. (11-11) FLD: Ridges S and E within 4 mi of fld up to 1200' MSL. Equip. on fld days. Right traffic pattern on Rnwys 13 and 18. (8-11)
SMILIN' JACK ARPT (DOUGLASVILLE)-Center of fld being graded. NE/SW strip closed. Use N/S strip. (12-3)
SUNBURY-RADIO: See Special Notice.
••STAR VALLEY AIRPARK (CHARLEROI)-New fld. Lat 40-06-50, long. 79-51-15. (11-22) See page 73. Equip. on strip intmtly. Unusable in wet weather. (11-22)
SWATARA VALLEY ARPT (PINE GROVE)-Right traffic for W take-offs and landings. (10-15)
VALLEY FORGE AIRPORT (NORRISTOWN)-E/W, NE/SW strips avail. NW/SE under const. On take-offs to and landings from E or NE use right traffic temp; on W or SW use left traffic. (5-29)
VANDERGRIFT ARPT-Being repaired.- Use only center of strips. (4-26)
WEST CHESTER ARPT-Strips under const. (4-15)
WILKES BARRE-RADIO: See Special Notice.
WILKES-BARRE-WYOMING VALLEY ARPT(WILKES-BARRE)-Use rnwys only. (11-14)
WILLIAMSPORT ARPT-Closed ngts. Avail. emerg landings only. (10-4)
WILLOW GROVE NAS- Closed ngts. Equip. sides all rnwys days-lgts being installed. IFR inbound flights will be accepted daylgt hrs but no IFR outbound flights may be made. (9-16)
WINGS FLD (AMBLER)-NW/SE rnwy unusable (plowed up). Hangar const S side fld. Fld being graded. mrkd days. (9-14)

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CHARLESTOWN NAAS-Const. Low alt formation break-up. Use ctn below 1000' Alts. Equip on Rnwy 4-22.
GREENE, THEODORE FRANCIS, ARPT(PROVIDENCE)-Use rnwys only. Turf channels avail. Lcl instruction purposes only. (12-10)
PROVIDENCE-RADIO: See Special Notice.

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★ANDERSON-RADIO: Dec. 15, CAA Commun Stn and all facs discont.
CHARLESTON MUN. ARPT-Use rnwys only.
CLARK FLD (CHARLESTON)-Strips rough. (4-19)
FLORENCE ARPT-Closed ngts (bcn, rnwy, obst lgts inop). (12-5)
GEORGETOWN CO. ARPT (GEORGETOWN)-Bcn inop. (12-1)
GREENVILLE AAB-Wind tee rmvd. Tetrahedron lgts inop. Non-rdo equipped acft watch twr for landing direction. Occasional heavy glider traffic. (12-12)

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★LANE -RADIO: Dec 15, CAA Commun Stn and all facs discont.
LEXINGTON CO: ARPT (COLUMBIA)-RADIO: Twr will be inop during period when wind velocity at Columbia is in excess of 25 MPH. FLD: Ltd army svcg 0800 to 1800. (11-23)
MEMORIAL ARPT (SPARTANBURG)-Use rnwys, taxi strips only. (11-7)
MYRTLE BEACH AAF-Inst train. at 1000 to 5000' alts 50 mi radius during IFR.
OWENS FLD (COLUMBIA)-RADIO: Soon D/F fac of CAA range will be relocated at Lexington County Arpt. (12-7) FLD: Use rnwys only. Req pilots avoid pivoting acft on NW end NW/SE rnwy. Small acft parked on ramp front Admin Bldg, mrkd. (12-5)
PARRIS ISLAND MCAS-Use in emerg only (caretaker status-no facs.
SHAW FLD (SUMTER)-No 73, 91 oct. (12-11)
WOODWARD FLD (CAMDEN)-RFC planes parked entire fld off rnwys. Use rnwys taxi strips only. No facs for closing flight plans other than fone. Flgt plans should be closed with Shaw Fld twr before landing. Closed ngts. (12-6)

SOUTH DAKOTA

ANDERSON ARPT (MITCHELL)-Use strips only. (11-2)
BELLE FOURCHE ARPT-SE end NW/SE strip rough. Avoid S end N/S strip beyond intersection of E/W strip. Loose gravel around new hangars and taxi strip leading to NW/SE strip. All strips soft when wet. (8-5)
BIEDENFELT FLD (FAULKTON)-Hay stacks on fld.
BROOKINGS ARPT-W portion fld soft in wet weather, bal fld usable with ctn. (11-15)
PHILIP-RADIO: See Special Notice.
**PIERRE ARPT-400' twr 4 mi NW reduced to 300'. 10' antenna installed on top of twr. Twr, obst lgtd. (12-7) Tetrahedron unreliable. (12-5)
RAPID CITY AAB-RADIO: Army ILS temp suspended. Army air/ground stn inop on all freqs. (12-20) FLD: No svcg or opers 1800 to 0700 daily. (10-6)
SIOUX FALLS ARPT-Use rnwys only. Tetrahedron rmvd. Obst lgts atop 266' Cathedral spires 1-3/4 mi SSE inop. (12-5)
SPEARFISH-RADIO: See Special Notice.
W. W. HOWES ARPT (HURON)-Closed to all acft exceeding 25,500 lbs. Blinding 30 million candle pwr ceilometer 1000' NW bcn. (9-27)
**WYNFORDNER ARPT (LEMMON)-ABANDONED; (11-22) See page 6.

TENNESSEE

BEACHVILLE: BCN SITE 63, DL-LV-Will be comm at new location soon. (10-18)
BERRY FLD (NASHVILLE)-Use rnwys only - rnwy, taxiway shoulders soft. Neon approach lgts inop. (12-20)
CHATTANOOGA ARPT-LOVELL FLD (CHATTANOOGA)-Intmt dynamiting in stone quarry N bndry fld days. Avoid flying over quarry. (9-25)
CORNELIA FORT AIRPARK (NASHVILLE)-Landings and take-offs to S use left hand traffic, to N right hand traffic. (7-24)
CUMBERLAND FLD (NASHVILLE)-Strips under const. (1-26)
EMBRY RIDDLE FLD (UNION CITY)-Use rnwys only - parked acft.
KNOXVILLE-McGHEE TYSON ARPT (KNOXVILLE)-S taxi strip closed. No parking on ramp front of Admin Bldg any time day or ngt. Army acft rstd from refueling except in extreme emerg. Unlgtd parked acft on parking area and edge of ramp NE of Admin Bldg. (10-3)
LEBANON ARPT-Soft spots in E/W and NE/SW strips near intersection; avoid using after heavy rains and thaws. (11-26)
McKELLAR ARPT (JACKSON)-Use rnwys only - parked acft.
★MEMPHIS ARPT-RADIO: Middle mrkr of CAA ILS comm Dec 18. See page 104. Jan 1, low pwrd range will be decomm. (12-5) Twr and approach control will be inop during period when wind velocity at Memphis is in excess of 45 MPH. At such times, traffic will be controlled by lgt gun signal from lctn atop term bldg on S side arpt. (11-19) FLD: Fld badly eroded. Use rnwys only-shoulders soft. Equip. on fld. Avail. private acft equipped with fully operating 2-way radio transmitting on one of the following freq: 3105,4495,6210 kcs. Other acft may land by obtaining previous authorization from CAA Inspector. Student instruction in private acft not permitted. (11-23)

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MEMPHIS NAS-CLOSED NGTS EXCEPT IN EMERG; Flight plans should be addressed to "MEMPHIS NAVY". Ngts flying in 5 mi radius up to 2500'. Exten flight opers in 15 mi radius. Traffic left at 1000'. Resurfacing Rnwys, mats. Red rot. bcn indicates IFR. (8-6)
★NASHVILLE-RADIO: VHF voice fac comm at commun stn Dec 20. Transmits on and guards 116.1 mcs cont. Stn class: SBRAZ-VDT. These data rcvd too late for inclusion on Flgt Planning Charts or in "ANRA".
SMYRNA AAF (NASHVILLE)-RADIO: Army ILS temp inop. (6-25)
TRI-CITY ARPT-RADIO: Oct 5, CAA twr comm, operating 0800 - 2100. Lgt gun only. FLD: Army acft rstd from refueling except in extreme emerg. Use rnwys only-rough. Soft when wet. (10-22)

TEXAS

ABILENE AAF-Temp inactive-no facs. (See Special Notice re use).
ABILENE AIR TERMINAL (ABILENE)-RADIO: Effective Dec 29, twr will oper 0700-2300. (12-19) FLD: E/W rnwy avail. only on permission of control twr. (9-3)
ALICE-RADIO: See Special Notice.
ALICE ARPT-Rnwy lgts not visible on final approach-lgts obscured from air by grass and vegetation. (10-20)
ARLEDGE FIELD-MAIN AIRDROME (STAMFORD)-Use rnwys only - parked acft. Sod soft after rain. Wind tee removed. Wind socks on N and S hangars. (6-3)
ARLINGTON (MIDWAY) ARPT-NE/SW rnwy unsafe-NW/SE rnwy usable with ctn. Rnwy lgts inop. (11-22)
ASHERTON ARPT-High brush - use strips with caution. (6-11)
AUSTIN-RADIO: Range flight-checked, courses correctly aligned, break in sta location marker light pattern. (5-23)
AUSTWELL INT: SITE 5A, CR-HU-Unsafe (soft). (9-23)
BERGSTROM FLD (AUSTIN)-RADIO: Army ILS temp inop. (10-2) FLD: NE/SW rnwy closed. Unlgtd 20' lclzr truck and antenna 1500' on and extended center line from N end Rnwy 17L. (11-7)
★BIGGS FLD (EL PASO)-RADIO: Air/ground stn freq. of 4630 kcs now operating. Stn operates on all assigned freqs. (12-19) Army ILS (CAA type) temp inop. (5-16) FLD: Const on rnwys. Dirt landing strip at old fld closed for resurfacing. Five 90' twrs under const 2000' E of N/S rnwy, lgtd. (10-22) See notice under White Sands Proving Ground, N. M.
BIG SPRING ARPT-RADIO: Effective Dec 29, twr will oper 0700-2300. (12-19)
**BREED ARPT (LONGVIEW)-ABANDONED; (12-5) See page 100.
BRUCE FLD (BALLINGER)-Use rnwys only - parked acft.
CAMP HOOD LANDING FLD (KILLEEN)-CLOSED EXCEPT ON OFF; BUS; THIS STA OR IN EMERG. AAF oper facs avail. Ngt opers on previous arrangements. Right traffic to N, left to S overhead approach. E/W rnwy closed. (6-26)
**CARTHAGE ARPT-ABANDONED: (12-5) See page 120.
CHILDRESS-RADIO: Sept 24, VHF range on exper status only comm and flight checked for cont oper at lat 34-22-12, long 100-17-12, lctd approx 5-1/2 mi SW of Childress. Freq 109.1 mcs, Ident. "CM" (- . - - -). Visual courses: 53°, 233°; aural courses 323°, 143°. (7-25)
CLARENDON-RADIO: See Special Notice.
CLEVELAND-RADIO: Exper VHF range temp inop. (10-15)
CLIFF MAUS FLD (CORPUS CHRISTI)-RADIO: Effective Dec 29, twr will oper 0700-2300. (12-19) FLD: Use rnwys only during wet weather. (9-12)
CUERO ARPT-In wet weather land as near ramp as possible. Use ramp only in emerg. Center portion fld soft in wet weather. Landings should be made within orange cone bndrys. Use strips only-parked acft. No svcg or lgts.
EGYPT: BCN SITE 13, ZN-HU-About Dec 31, will be perm discont. (12-12)
ELDORADO ARPT-E/W strip soft in wet weather. (12-6)
ELLINGTON FLD (HOUSTON)-RADIO: Army air to ground stn. temp inop. (11-29) FLD: Closed to VHB acft except in emerg.
ENGLISH FLD (AMARILLO)-Use rnwys, taxi strips only. 175' tank being erected 6 mi WSW (255°) true. 250' derrick being used during const, lgtd. (11-14)

**EULESS:BCN SITE 1, FV-AG-Discont Dec 9. (12-9)
FAIRCHILDS: BCN SITE 16, ZN-HU-About Dec 31, will be perm discont. (12-12)
FLORESVILLE: BCN SITE 2, ZN-HU-About Dec 31 will be perm discont. (12-12)
FORNEY-RADIO: FM on E course of Dallas range inop. (10-2)
FORT WORTH AAF-Rnwys 3-21 and E/W closed. 40' trees immediate end Rnwy 35L. (9-16)
GARWOCD: BCN SITE 11, ZN-HU-About Dec 31 will be perm discont. (12-12)
GASKIN FLD (SHERMAN)-Use rnwys only.
GIBBS FLD (FORT STOCKTON)-Use rnwys only - parked acft. Use only in emerg.
GILCHRIST ARPT (WICHITA FALLS)-Strips soft when wet. Pumping well approx 500' from NW end NW/SE strip. Use strips only. (12-5)
**GLADEWATER ARPT-ABANDONED; (12-5) See page 100.
GOODFELLOW FLD (SAN ANGELO)-Use rnwys only. Ctc Goodfellow Radio 15 mi out in IFR weather. Acft flying N or E on range maintain odd 1000' alts. Acft flying W or S maintain even 1000' alts unless otherwise advised by Goodfellow Radio. Local inst acft using range. Ltd parking, svcg facs. (10-16)
GRAND PRAIRIE OLF-CLOSED TO ALL TRANS ACFT EXCEPT PTs. Ngt train within gliding range from sunset to midngt at alts to 2000' above terrain.(7-1)
GUTHRIE-RADIO: VHF range will be comm soon at lat 33-46-30, long 100-20-09. Freq. 108.3 mcs. Ident. "UH" Visual courses: 72°,252°, aural courses: 162°, 342°. (12-9)
HALLETSVILLE: BCN SITE 8,ZN-HU-About Dec 31 will be perm discont. (12-12)
HEARNE BCN SITE, 15, GS-WC-Bcn inop. (5-16)
HENSLEY FLD (DALLAS)-Lgt acft operating at 500' pattern alts. (7-31)
HICKS FLD (FT; WORTH)-Use strips only-parked acft. (4-25)
HITCHCOCK NAF-LTA-RADIO: 6390 kcs transmitter and receiver temp inop.(3-12)
HOLMAN ARPT (WICHITA FALLS)-Use strips only. Ctc Wichita Falls Radio for ngt landings. (5-12)
HOUSTON ARPT-Use rnwys, taxi strips - ditches parallel E/W, N/S, NW/SE rnwys and N/S taxi strip. Equip. on fld. (8-12)
JUNCTION-RADIO: VHF range will be comm soon at lat 30-38-00, long 99-58-43. Freq. 108.7 mcs. Ident. "JT". Visual courses: 128°,308°: aural courses: 38°. 218°. (12-9)
KELLY FLD (SAN ANTONIO)-Acft on fld. Use rnwys only. 190' lgtd twr const W Rnwy 14-32. (9-17)
KENDLETON: BCN SITE 14, ZN-HU-About Dec 31, will be perm discont. (12-12)
** KINGSVILLE NAAS: SOUTH-No longer assigned to navy. Name changed to Kingsville Arpt, South. (11-27) See page 113.
LAMESA FLD-Gov't. owned acft parked W half fld. Use rnwys only. (6-6)
** LAREDO ARPT-Lgts avail on req to Laredo Rdo. (12-14) See page 113. Acft taxi to S hangar on main ramp for svcg. Tetrahedron unlgtd, uncontrollable. Ctc Laredo Rdo for landing information. (12-14)
LAUGHLIN FLD (DEL RIO)-Closed-emerg use only.
LONE OAK, BEACON SITE 5, DL-LV-Temp discont. (9-18)
★ LOS FRESNOS-RADIO: Dec 17, ident of FM on Brownsville range changed to one dash.
LOVE FLD (DALLAS)-Rnwy 4-22 closed. Soft areas along taxi strips when wet. 30 million candle pwr ceilometer projector 1000' N of twr. Acft must be equipped with radio tuned to twr freq. (11-15)
MAJORS FLD (GREENVILLE)-Bcn inop. (11-26)

TEXAS

MEACHAM FLD (FORT WORHT)-RADIO: CAA ILS will be comm soon serving N/S rnwy with approach toward S. Mag heading for landing: 173°. Voice-equipped localizer will operate on 109.9 mcs. Glide path on 333.8 mcs. Two marker beacons: Outer marker 4.09 mi N of N end N/S rnwy, keyed 2 dashes per sec: middle marker 0.7 mi N of N end N/S rnwy, keyed with alternate dots and dashes. (10-8) FLD: In wet weather use rnwys, taxi strips only. 260' single vertical twr being const 4 mi ESE (115°) true, temp lgtd. (11-7)
★MERCEDES-RADIO: Effect Dec 17, ident of FM on Brownsville range changed to four dashes.
MIDLAND ARPT NO; 2-Fire and crash equip., svcg avail. 0800 to 2000 Mon thru Fri only. (11-25)
MINERAL WELLS ARPT,new-Use rnwys, taxi strips only,graded areas unsafe (7-15)
MONTGOMERY CO; ARPT (CONROE)-Avail. only acft equipped with landing lgts. (12-5)
NAVASOTA-RADIO: See Special Notice.
NIXON, BCN SITE 4, ZN-HU-About Dec 31 will be perm discont. (12-12)
ORANGE APRT-NE/SW, NW/SE strips under const. Use E/W strip. Fld flooded after rains. (7-10)
PALACIOS-RADIO: See Special Notice.
PALESTINE ARPT-Sod areas usable in dry weather. Circle fld for lgts. (10-21)
PAMPA ARPT-Hangars being const along N/S hangar line parallel to N/S strip. (10-18)
PERRIN FLD (SHERMAN-RADIO: Army twr will be discont. soon. (12-11) FLD: Rnwy 3-21 closed. Acft parked S edge fld.
PILGRIM, BCN SITE 5, ZN-HU-About Dec 31, will be perm discont. (12-12)
PYOTE AAF-Rnwys 18-36, 7-25 closed. Ltd svcg, maintenance. No maintenance 1630 Fri to 0730 Mon. (11-6)
RANDOLPH FLD (SAN ANTONIO)-Trans acft use E side fld (10-16)
RAYMONDVILLE INT; SITE 5, JI-FV-Lgt acft use ctn-gopher holes. (11-28)
RIO GRANDE VALLEY INTERNATIONAL ARPT (BROWNSVILLE)-RADIO: Effective Dec 29, twr will oper 0800-2400. (12-19) FLD: Rnwy 4-22 closed. Use rnwys, taxi strips only. Bldg 300' E, 700' S of N end Rnwy 17-35 lgtd. Civil acft may be cleared thru this arpt for foreign flights. Army acft use Kelly Fld. Obst lgts atop 90' antenna poles 3 mi N inop. (12-17)
ROBERT MUELLER APRT (AUSTIN)-RADIO: Effective Dec 29, twr will oper 0700-2300. (12-19) FLD: Acft landing or taking off on Rnwy 34R use right traffic pattern. Acft landing or taking off on other rnwys use left traffic pattern. Rnwy 12L-30R closed. Blinding 30 million candle pwr ceilometer 900' N of Admin Bldg. Soon, tetrahedron will be moved from N side of fld and relctd near center portion fld between N/S and NW/SE rnwys. (11-20)
ROCKPORT ARPT-Closed except in emerg. Fire and crash equip removed. (8-)
SALTILLO, BEACON SITE 9, DL-LV-Temp discont. (9-18)
SAN ANTONIO-Cloud flying on Randolph Fld Radio Range at alts assigned by San Antonio A.T.C. Acft inbound to Randolph Fld or operating in that vicinity under IFR contact Randolph, Alamo or San Antonio Range Sta and adhere to instructions issued by San Antonio A. T. C. Acft outbound from Randolph Fld adhere to instructions issued through Randolph Tower.
SAN ANTONIO ARPT-ALAMO FLD (SAN ANTONIO)-RADIO: Middle and outer markers of CAA ILS shut down Dec 16 for approx two wks.(const).(12-16) FLD: Ltd svcg. Closed ngts to all civil. acft except scheduled airlines. (10-17)

TEXAS

SAN BENITO INT, SITE 2, JI-FV-Hangar under const 200' NE bcn twr and 200' N. Opers Office, mrkd. (10-28)
SAN MARCOS AAF-Ctn-helicopter and liaison pilot training. (10-15)
SHEPPARD/KELL MUN. ARPT (WICHITA FALLS)-N/S rnwy W of fld rstd to acft 200 hp or less. Use rnwys only. Opers open only between 0800 and 1700 daily.
SOUTH PLAINS AAF (LUBBOCK)-Parts of rnwy not visible from twr due to parked acft. Stn sto acft rcvd only between 0900 and 1630 Mon thru Fri. Svcg opers avail. 0800 to 2200. Ltd transportation, no housing, messing facs. (12-12)
STINSON FLD (SAN ANTONIO)-RADIO: Scon twr will be oper by lgt gun during CFR daylgt hrs only. (11-25) FLD: Right traffic Rnwys 9, 14, 17, 22. Left traffic on all other rnwys. Traffic 800' above terrain 1367' MSL. Avail. days only. Rnwy 17-35 closed. (11-12)
SULPHUR SPRINGS-RADIO: See Special Notice.
TAYLOR ARPT (ALBANY)-CLOSED (rnwy const). (4-4)
TERRELL, BEACON SITE 6, FV-AG-Temp discont. (9-18)
TEXARKANA-Demolition operations are being conducted approx 15 mi WSW Texarkana Arpt, 0800 - 1615 daily except Sat and Sun. All acft cautioned to fly above 1500' over this area.
TYLER-RADIO: About Jan 6, SE and NW courses will be realigned to 304° and 124°, respectively. (12-19) VHF voice fac will be comm soon at commun stn on 116.1 mcs.
VICTORY FLD (VERNON)-Use rnwys only (parked acft). Avail. days only. (6-3)
VIENNA, BCN SITE 10, ZN-HU-About Dec 31 will be perm discont. (12-12)
WEATHERFORD ARPT-Use only N end fld-strips under const. Closed to heavy acft. (12-9)
WHITE FLD (BRADY)-CLOSED. (8-7)
YOAKUM-RADIO: See Special Notice.

UTAH

BRYCE CANYON-RADIO: 116.1 mc transmitter and rcvr, 131.7 mc rcvr and 111.1 mc transmitter temp inop. (10-2)
**DELLE, SITE 585 MI BLINKER, SF-SL-Discont oper Dec 11. (12-12)
DELTA ARPT-Use rnwys only. (6-22)
ENTERPRISE INT, SITE 39, LA-SL-Closed to lgt acft-rough. 25' unlgtd bldg under const adj fld 90' N of SE corner. (10-23)
HANKSVILLE-RADIO: 111.1 mc transmitter and 131.7,129.7 mc rcvr temp inop. Stn unmanned from 2200 to 0600. (12-21)
**HANKSVILLE INT, SITE 54 LA-DY-N/S strip unlgtd, ngt landings to be made only on E/W strip. (12-4) See Page 56.
HILL FLD (OGDEN)-RADIO: Army air to ground stn freqs of 137.88 mcs, 4765, 2862,4697.5 kcs voice; 8200 kc. CW inop. (11-20)
LUCIN-RADIO: Courses aligned by ground check only. (12-20)
MILFORD ARPT, SITE 45, LA-SL-Lgtd bldgs being const 300' N of bcn twr E side fld. Unlgtd bldgs SE corner fld S of and adj to bcn twr. Equip. on fld. Trench being dug across taxiway to hangar, mrkd. (12-19)
PROVO ARPT-Soft shoulders. Fld lgts avail. on req. (7-18)
SALT LAKE ARPT NO. 2 (SALT LAKE CITY)-Use rnwys, taxiways only, shoulders soft. (6-5)
SALT LAKE CITY-RADIO: Auto. range monitor. sys on N course temp inop. Temp remote monitor. sys which provides cont aural and visual monitor. at control stn recomm on N course. Warning signal not avail. (5-3)
SALT LAKE CITY ARPT NO. 1-RADIO: Lclzr of ILS oper without voice. (12-18) FLD: Prevailing wind rnwy lgts operating ngts. Use rnwys-shoulders soft. Equip. ahead of Rnwys 31 and 34. Right traffic when winds are from S, SE or E. (12-18)

UTAH

WENDOVER-Ground firing up to 45,000' MSL is being conducted approx 60 mi E, in the Low Flight Strip area, from 0800 to 1800. See chart 23.
WENDOVER FLD-Opers inop 1700 to 0730. No svcg 2000 to 0730. Fld lgts avail. only on adv req. Obst lgts on mtn N of fld inop.

VERMONT

BARRE-MONTPELIER ARPT (BERLIN)-Use rnwys only. (8-7)
BURLINGTON ARPT-Use rnwys only. (12-3)
MONTPELIER-RADIO: See Special Notice.

VIRGINIA

ALBERTA ARPT-ENE/WSW strip rough. Ends, sides ENE/WSW, NNW/SSE strips mrkd by 12' yellow mrkrs. (5-24)
ALTAVISTA ARPT-200' NE end of fld unusable in wet weather. (5-23)
CENTRAL ARPT (RICHMOND)-During wet weather use strips only. (5-20)
CHINCOTEAGUE (WALLOPS ISLAND)-Airplanes prohibited in vicinity of Wallops Island and area 20 mi E to seaward. (12-19)
CHINCOTEAGUE NAAS-Closed 1700 to 0800 except in emerg or on req with 2 hrs notice. Bcn operates all ngt except during lcl ngt flying with CFR conditions. Bcn turned on during ngt flying in emerg or on req. (9-5)
COLONIAL BEACH ARPT-CLOSED (wet - high grass). (8-9)
DAHLGREN NAF PROVING GROUNDS-CLOSED TO TRANS MIL ACFT EXCEPT THOSE ON OFF. BUS. OR IN EMERG. Off. flights must be cleared thru one of the follcwing: Naval Air stns: Anacostia, D. C.; Patuxent River, Md; Norfolk, V a; Quonset Point, R. I.; Cape May CGAS, N. J.; Inyokern NAF, Calif; NAF Torpedo Stn, Newport, R. I.; Naval Acft Factory, Philadelphia, Pa; Cherry Point MCAS, S. C, Quantico MCAS, Va; AAF Proving Gnds, Eglin Fld, Valparaiso, Fla; Langley Fld, Va,; Wright Fld, Dayton, Ohio; Aberdeen Proving Gnd, Aberdeen, Md; Lakehurst NAS, N.J. 1 rnwy closed. Equip. on fld. Only 1 rnwy avail. ngts. (8-28)
DANVILLE-RADIO: See Special Notice.
DANVILLE ARPT-Use rnwys, taxi strips only, bal fld soft, rough. (11-22)
EMPORIA ARPT-Fixed tee, wind sock being lctd on hangar S side fld. Hangar under const. (5-4)
FENTRESS NAAS-Use in emerg only (caretaker status - no facs).
HARCUM ARPT-Use NE/SW strip only between yellow cone mrkrs. (6-14)
HOPEWELL ARPT-SE portion under const. Equip. on fld. (6-7)
HYBLA VALLEY ARPT (ALEXANDRIA)-Surplus Acft Sales Center - parked acft.
LANGLEY FLD-RADIO: N course of Army range swinging 5°W, bear. 167°. FLD: Rnwy 2-20 closed. Rnwy 12-30 closed ngts. (10-28)
LOVING FLD-STTE 35A, NASHVILLE-WASHINGTON (PULASKI)-Observe right traffic pattern for landings from SW on NE/SW rnwy. (8-1)
MILFORD INT, SITE 49B, AG-LG-NE/SW strip unsafe. (5-9)
MONOGRAM NAAS (DRIVERS)-Use in emerg only (caretaker status - no facs).
MT. VERNON-See Special Notice under District of Columbia.
NORFOLK-RADIO: VHF range comm FOR TEST PURPOSES ONLY. Lctd at lat 36-48-18 long. 76-18-06. Ident. "NW". Freq. 108.7 mcs. Visual courses: 20° 15', 200° 15'. Aural courses: 110° 15', 290° 15'. Class: VARW. Aligned by ground check only. (9-28)
NORFOLK ARPT-205' twrs radio stn WLOW erected 8 mi WSW (257°) at lat 36-52, long. 76-21. Temp lgtd. (12-10) Tetrahedron inop. (12-20)
NORFOLK NAS-EAST FLD-Shoulders adj perimeter taxiway soft. Pilots on Southbound coastal flights proceeding in accordance with IFR to NAS Norfolk, shall establish radio ctc with twr at NAAS Chincoteague, Va, for further clearance instructions from Navy Norfolk. Pilots on Northbound coastal flights proceeding in accordance with IFR to NAS Norfolk shall establish rdo ctc with Navy Weeksville Radio, NAS (LTA) Weeksville, Elizabeth City,

VIRGINIA

N.C, for further clearance and instructions from Navy Norfolk. Equip. on fld. (7-22)

OCEANA NAAS-Rnwys, taxi strips under const. Facs avail. 0800 to 1630 Mon thru Fri. Acft clearances not accepted 1630 to 0800 Mon thru Fri. Essential mil flights accepted anytime on prior notification. (9-26)

ORANGE CO. ARPT (ORANGE)-E/W strip under const. (9-27)

PETERSBURG ARPT-CLOSED (const). (8-2)

PRESTON GLENN ARPT (LYNCHBURG)-Use rnwys only. Pwr line extension of 2 poles approx 3200' NW of W end E/W rnwy and 3 poles approx 3600 to 3800' W of W end E/W rnwy, unlgtd. (12-3)

QUANTICO MCAS-Closed sunset to sunrise except in emerg. (11-14)

RICHMOND-Elko Aux. Fld, 5 mi E of Richmond AAB, is similar in design and laycut to the Richmond AAB, BUT RNWYS ARE UNSUITABLE FOR LANDING BY ACFT OF ANY TYPE. Care should be taken not to confuse this fld with the Richmond AAB.

RICHMOND AAB-Ltd Army svcg facs. Avoid using 1000' rnwy extensions. Rnwy, taxiway shoulders soft. Acft landing this fld without estab. rdo commun. with twr watch carefully for lgt gun signals-twr lctd in center of triangle of rnwys. (8-7)

SHENANDOAH ARPT-N/S strip under const. (10-28)

UNIVERSITY OF VIRGINIA ARPT (CHARLOTTESVILLE)-Ctn'on E/W strip in wet weather. (10-18)

WINCHESTER ARPT-E end E/W strip rough. Contact Front Royal Radio or circle fld before landing. (6-7)

WASHINGTON

SPECIAL NOTICE-Benton Co. Danger Area approx 12 mi NW of Pasco is particularly hazardous-all flights avoid. (See Spokane Flight Planning Chart #3, Spokane Sectional, and Washington 5 Danger Area Charts).

ARLINGTON NAAS-Use in emerg only (caretaker status - no facs).

BELLINGHAM ARPT-Do not taxi off surfaced areas-sodded portions soft. (10-28)

**CLALLAM COUNTY ARPT (PORT ANGELES)-Range, rnwy ctc, apron flood, obst lgts prior req. No bcn (6-3) See page 1.

CLE ELUM ARPT-Equip. on fld days. Use taxi strip N of and parallel to rnwy for landings. (10-29)

COLVILLE ARPT-NW/SE strip closed. (11-6)

CONNELL ARPT-18" grass and weeds on fld. (7-17)

COUPEVILLE OLF-Closed except in emerg. Training use requires 24 hrs adv notice thru Whidbey Island NAS. (9-11)

DOROTHY SCOTT ARPT (OROVILLE)-2' weeds S 1000' N/S strip. (7-1)

★EASTON-RADIO: Dec 5, CAA Commun Stn and all radio facs decomm.

EASTON INT, SITE 5B, SA-HL-CLOSED (emer). (11-22)

EASTON RIDGE, BCN SITE 57, SA-HL-Bcn inop. (10-17)

EPHRATA ARPT-Loose cattle on fld. (10-7)

FAIRWEATHER FID (REPUBLIC)-Soft. Cattle on fld. (7-17)

FELTS FID (SPOKANE)-Fancher Bcn near Felts Fld inop. Take-off and land on sod area before reaching taxiway near center of fld. N side rnwy mrkd. (12-13)

HAFER'S RANCH ARPT (CHEWELAH)-Closed pending decision re abandonment. (7-1)

**KACHES RIDGE, BEACON SITE 55 MI BLINKER, SA-HL-Perm discont. (12-5)

KENMORE ARPT (BOTHELL)-Avail. emerg use only-cattle. (9-10)

KING CO. ARPT-BOEING FID (SEATTLE)-Use rnwys, taxi strips only. Equip. adj Rnwy 13-31. (11-22)

LAKE SAMMAMISH SEAPLANE ANCHORAGE (ISSAQUAH)-CLOSED. (4-26)

MARTIN FID (COLLEGE PLACE)-Const on strips. Strip 2500 x 150' cleared and flagged center of fld for landing. (11-7)

WASHINGTON

★McCHORD FLD (TACOMA)-RADIO: Army ILS (CAA type) temp inop. (6-12) FID: Glide path bldg 13' high with 25' antenna erected about 1340' N of S end N/S rnwy and 250' E of rnwy centerline, obst lgtd. (12-11). Use rnwys, taxiways only. Equip. on fld. (12-11)

MT. VERNON OLF-Closed except in emerg. Training use requires 24 hrs advance notice thru Whidbey Island NAS. Bcn inop. (10-1)

OLYMPIA ARPT-Rot. bcn. flash. green and yellow used to warn lcl and trans acft of approach of scheduled transport acft. Bcn turned on five minutes before arvl and turned off upon arvl and landing of acft. (12-7)

PAINE FLD (EVERETT)-Night lighting immediately available to radio equipped acft by contacting Everett Radio. Closed to all other acft between sunset and sunrise except by arrangement with arpt manager or CAA Commun Stn. (12-9)

PASAYTEN USFS ARPT (WINTHROP)-Horses on strips intmtly. (7-1)

PASCO-See Special Notice (first item under state heading).

PASCO NAS-Use in emerg only (caretaker status - no facs).

PULLMAN-MOSCOW REGIONAL ARPT (PULLMAN)-Avail. lgt acft only. (11-26)

**RANDLE USFS FID-ABANDONED. (12-6) See Page 1.

RICHLAND AIR BASE-NW/SE strip under const. (8-19)

ROSALIA MUN. ARPT-12" grass and weeds. (7-16)

SAVAGE FLD (CHENEY)-Moderate soil erosion intmtly. (9-14)

SEATTLE-All acft advised not to fly below or near blimps in Puget Sound area.

SEATTLE NAS-Single-engine acft approach stn from Kirkland at 1000' alt. Seaplane landing approach over Lake Washington from N or S under 200'. Rnwy 14-32 lgtd 30 minutes prior to arvls and take-offs and on req from sunset to sunrise. Tetrahedron lgtd sunset to sunrise. (11-26)

SEATTLE-TACOMA ARPT (SEATTLE)-RADIO: ILS emits lclzr signals on 110.3 mcs, bndry and outer mrkr signals on 75 mcs cont. These signals may at times be spurious and are not to be relied upon for any purpose. (10-8) FID: Equip. on fld days. Const approx 20' N of N end NW/SE rnwy. (8-22)

SPRAGUE ARPT-Use N side and 1050' W end of strip, bal rocky and soft. Cattle on fld. (9-14)

★STEVENSON-RADIO: CAA Commun Stn and all facs except weather reporting discont. Dec 9.

SULLIVAN LAKE ARPT (METALINE FALLS)-2' grass and weeds. (7-1)

TOLEDO INT, SITE 63B, SF-SA-Use strips only-sodded portions soft. (11-18)

WALLA WALLA AAF-All blinker lgts on mtns E of fld inop. Twr, bndry lgts inop.

WESTPORT ARPT-Driftwood on fld after extremely high tides. (7-21)

WHIDBEY ISLAND NAS-AULT FID (WHIDBEY ISLAND)-Bcn opers on IFR and from sunset to sunrise. Warm-up aprons avail. for all rnwys. Tetrahedron lgts inop. (12-22)

WILBUR ARPT-Center 200' strip avail. Equip. on fld. All taxiing on fld is on the left side of strip. (12-13)

YAKIMA CO ARPT (YAKIMA)-RADIO: Soon, twr voice and rcvg facs will be shut down (const), concurrently traffic controlled by lgt signals only. FID: Use rnwys, taxiways only-graded areas soft, rough. (11-18)

WEST INDIES

TRINIDAD-Carlsen Fld-Edinburgh (North)-Rnwy closed to all Navy traffic except in emerg. Use Xeres (South) rnwy.

WEST VIRGINIA

**BOLLINGER ARPT (CHARLESTON)-Four 240' twrs of Rdo Stn WKNA erected 5 mi N (360° T) at lat 38-23-00, long. 81-42-52, obst lgtd at 80' levels and flash. red lgts at top level. (12-2)

WEST VIRGINIA

ELKINS ARPT-Contact Elkins Radio or circle fld before landing. (7-16)
LOUIS BENNETT ARPT (WESTON)-Soft spots after continuous heavy raing. (6-4)
★MORGANTOWN-RADIO: Dec 9, courses realigned to: 36°,140°,216°,313°. This corrects Airgi Vol. 1, No. 19. See Special Notice.
SCOTT FLD (BECKLEY)-Use right traffic pattern. (5-7)

WISCONSIN

CHAPLIN'S ARPK (PLYMOUTH)-NE/SW, NW/SE strips under const. (10-21)
CLINTONVILLE ARPT-Use strips only. (6-7)
CURTISS-WRIGHT ARPT (MILWAUKEE)-Closed ngts. (9-26)
EAU CLAIRE MUN. ARPT-Use rnwys only. Shoulders rough and soft pending completion of grading opers in spring 1947. (11-18)
GENERAL MITCHELL FLD (MILWAUKEE)-Equip. on fld days. Right turn procedure rstd to lcly based acft. All acft landing according to tetrahedron unless otherwise instructed by twr. All pilots must register in Admin Bldg upon arvl and dptr. Position lgts must be turned on and operating between sunset and sunrise for all flights to and from fld. Ditch extending 150' S of intersection NE/SW, NW/SE rnwys paralleling SE portion NW/SE rnwy for 1/2 mi. (12-4)
GRNOW ARPT (OMRO)-Use strips only. (6-7)
KENOSHA ARPT-Only N bank floodlgts avail. on req. (6-10)
★★KUBIAK'S ARPT (PULASKI)-New fld. Lat 44-40-15, long. 88-12-45. (11-8) See Page 16.
LA CROSSE ARPT-Use rnwys only. (9-24)
LA CROSSE INT, SITE 23A, CG-TWIN CITIES-Snow fence erected 50' W of E bndry entire length of fld. E bndry lgts moved in to snow fence. (11-8)
MOREY ARPT (MADISON)-Equip. on fld - portions under const, marked. (4-28)
PLATTE ARPT (PLATTEVILLE)-CLOSED (const). (6-12)
RICE LAKE ARPT-Uncompleted portion NE/SW strip rough. (5-22)
RICHLAND CENTER ARPT-Equip. on fld. (8-10)
SHAWANO ARPT-Use rnwys only. E/W strip under const. (10-8)
SKY HAVEN ARPT (MILWAUKEE)-S 1/3 portion N/S strip unusable (washouts). (6-5)
SOLON SPRINGS ARPT-Const-unusable. (10-29)
STEVENS POINT ARPT-Use rnwys only. (8-9)
TAYLOR CO. ARPT (MEDFORD)-Avail. in emerg only. Very rough. Maintained for small acft only. (6-6)
TOMAH ARPT-N/S strip under const. (7-9)
TRUAX FLD (MADISON)-Use rnwys only. Grass area 75' wide adj to rnwys rough, bal of grass areas unsafe and rough. Fld lgts and svcg not avail. 0030 to 0730.
VETERANS FLD (MENOMONIE)-Rough. (3-28)
WATERTOWN MUN. ARPT-N/S strip soft - use W part of sod when wet. (4-10)
WAUKESHA CO. ARPT-Acft turn left after landing and taxi on right side of strip. (12-13)
WINNEBAGO COUNTY ARPT (OSHKOSH)-Use rnwys only. (8-20)

WYOMING

CASPER AAF-RADIO: Army air to ground stn temp inop. (11-20)
CASPER CENTRAL ARPT (CASPER)-NE/SW strip under const. (9-2)
CHEYENNE ARPT-Equip. on fld intmtly. (7-20)
★★DOUGLAS INT FLD-SITE 11B, CX-GT-Name changed to Douglas Arpt-Site 11B, CX-GT. (12-10). See Page 25.
JACKSON MUN. ARPT-Cattle on fld intmtly. (5-20)'
KNIGHT INT, SITE 6, SL-OH-Soon will be decomm. Bcn will remain in oper as airways bcn with course lgts changed from green to red. (10-20)

WYOMING

ROCK SPRINGS-RADIO: Range flight-checked Dec 12, courses correctly aligned.
SHERIDAN COUNTY ARPT (SHERIDAN)-N/S rnwy unsafe heavy acft. Taxi strips parallel all rnwys except N/S rnwy and terminate at ramp. Stay on pavement. Equip. on fld. (5-8)
WARDWELL FLD (CASPER)-Use rnwys, taxi strips only-bal fld rough. 30 million candle pwr ceilometer projector 1000' N of bcn. (10-30)

AERONAUTICAL CHARTS

U. S. Coast and Geodetic Survey Dates of Latest Prints

Dates in small type indicate minor changes which are not of sufficient importance to make the previous print obsolete. All charts carrying dates older than those shown in large type on this list are obsolete for use in flight.

SECTIONAL

Aberdeen	Dec. 11, 1945	Nov. 25, 1946
Albany	July 9, 1946	
Albuquerque	Sept. 9, 1946	
Aroostook	June 26, 1946	
Austin	Aug. 11, 1946	
Beaumont	July 25, 1946	
Bellingham	Oct. 22, 1946	
Birmingham	Oct. 2, 1946	
Boise	Apr. 30, 1946	Oct. 25, 1946
Boston	July 2, 1946	
Burlington	June 24, 1946	
Butte	May 15, 1946	Nov. 6, 1946
Casper	Nov. 7, 1946	
Charlotte	Oct. 25, 1946	
Chattanooga	Oct. 25, 1946	
Cheyenne	Nov. 12, 1946	
Chicago	June 17, 1946	
Cincinnati	Oct. 25, 1946	
Cleveland	June 24, 1946	
Corpus Christi	Aug. 6, 1946	
Dallas	Sept. 23, 1946	
Del Rio	Jan. 22, 1946	July 23, 1946
Denver	Sept. 17, 1946	
Des Moines	June 12, 1946	
Detroit	July 11, 1946	
Douglas	July 27, 1946	
Dubuque	Oct. 2, 1945	June 18, 1945
Duluth	Jan. 8, 1946	Nov. 28, 1946
Elko	Nov. 1, 1946	
El Paso	July 25, 1946	
Fargo	May 29, 1946	Nov. 21, 1946
Glacier Park	Oct. 30, 1946	
Grand Canyon	Feb. 19, 1946	Sept. 16, 1946
Grand Junction	Feb. 19, 1946	Sept. 13, 1946
Green Bay	June 12, 1946	
Huntington	Oct. 9, 1946	
Jacksonville	Aug. 11, 1946	
Kansas City	Sept. 27, 1946	
Klamath Falls	Apr. 30, 1946	
Kootenai	Oct. 28, 1946	
La Grande	Oct. 25, 1946	
Lake Huron	June 25, 1946	
Lake Superior	June 13, 1946	
Lake of Woods	May 24, 1946	Nov. 9, 1946
Lewiston	July 2, 1946	
Lincoln	June 6, 1946	
Little Rock	Sept. 27, 1946	
Los Angeles	Aug. 12, 1946	
Miami	Aug. 8, 1946	
Miles City	May 13, 1946	Nov. 12, 1946
Milwaukee	June 16, 1946	
Minot	June 6, 1946	Nov. 19, 1946
Mobile	Aug. 6, 1946	
Mt. Shasta	Oct. 25, 1946	
Mt. Whitney	Aug. 27, 1946	
Nashville	Oct. 13, 1946	
New Orleans	Aug. 6, 1946	
New York	July 2, 1946	
Norfolk	Oct. 23, 1946	
Oklahoma City	Sept. 23, 1946	
Orlando	Aug. 6, 1946	
Phoenix	Aug. 21, 1946	
Pocatello	Nov. 3, 1946	
Portland	Oct. 25, 1946	
Prescott	Mar. 5, 1946	Sept. 3, 1946
Rapid City	May 3, 1945	May 17, 1946
Reno	May 17, 1945	Aug. 26, 1946
Roswell	Sept. 16, 1946	
Sacramento	Sept. 9, 1946	
Salina	Sept. 26, 1946	
Salt Lake City	Nov. 7, 1946	
San Antonio	July 30, 1946	
San Diego	Aug. 27, 1946	
San Francisco	Aug. 10, 1946	
Savannah	Oct. 25, 1946	
Seattle	Oct. 23, 1946	
Shreveport	Sept. 16, 1946	
Sioux City	May 31, 1946	Nov. 22, 1946
Spokane	Oct. 23, 1946	
Trinidad	Sept. 16, 1946	
Tulsa	Sept. 27, 1946	
Twin Cities	May 31, 1946	
Washington, D.C.	Oct. 22, 1946	
Wichita	Mar. 5, 1946	Sept. 16, 1946
Williston	Nov. 1, 1946	
Winston-Salem	Oct. 2, 1946	
Yellowstone Park	Nov. 1, 1946	

WORLD AERONAUTICAL - UNITED STATES

WAC 215	Oct. 19, 1946	WAC 266	May 29, 1946	WAC 309	July 13, 1946	WAC 364	Aug. 11, 1946	WAC 467	Aug. 6, 1946
WAC 216	Oct. 21, 1946	WAC 267	May 24, 1946	WAC 310	Aug. 6, 1946	WAC 404	Aug. 26, 1946	WAC 468	July 30, 1946
WAC 217	Nov. 1, 1946	WAC 268	Nov. 1, 1946	WAC 357	Oct. 13, 1946	WAC 405	Aug. 28, 1946	WAC 469	July 25, 1946
WAC 218	Nov. 12, 1946	WAC 269	Oct. 28, 1946	WAC 358	Oct. 2, 1946	WAC 406	Sept. 13, 1946	WAC 470	July 17, 1946
WAC 219	Nov. 12, 1946	WAC 304	Oct. 29, 1946	WAC 359	Oct. 2, 1946	WAC 407	Sept. 23, 1946	WAC 471	July 15, 1946
WAC 262	June 26, 1946	WAC 305	Nov. 12, 1946	WAC 360	Sept. 23, 1946	WAC 408	Oct. 3, 1946	WAC 522	July 29, 1946
WAC 263	June 18, 1946	WAC 306	May 29, 1946	WAC 361	Sept. 11, 1946	WAC 409	Oct. 8, 1946	WAC 525	Aug. 8, 1946
WAC 264	July 10, 1946	WAC 307	June 6, 1946	WAC 362	Aug. 29, 1946	WAC 410	Oct. 13, 1946		
WAC 265	June 12, 1946	WAC 308	June 12, 1946	WAC 363	Aug. 11, 1946	WAC 466	Aug. 10, 1946		

RADIO DIRECTION FINDING

21-DF	July 8, 1946	23-DF	Sept. 6, 1946	25-DF	Oct. 6, 1946
22-DF	July 22, 1946	24-DF	May 14, 1946	26-DF	Oct. 30, 1946

LOCAL

Brownsville	July 8, 1946	New York & Vicinity	Aug. 6, 1946
Los Angeles	Sept. 13, 1946	San Diego	Aug. 20, 1946
Miami	July 3, 1946	Washington	Nov. 7, 1946

WORLD AERONAUTICAL - ALASKA

WAC 62	Feb. 1946	WAC 77	Mar. 1946	WAC 118	July 1946	WAC 136	May 1946	WAC 139	Mar. 1946
WAC 63	May 1946	WAC 78	Mar. 1946	WAC 119	Jan. 1946	WAC 137	Mar. 1946	WAC 186	Mar. 1946
WAC 64	Mar. 1946	WAC 117	Aug. 1946	WAC 135	Mar. 1946	WAC 138	May 1946	WAC 190	Apr. 1946
WAC 76	May 1946								

WAC 191	Apr. 1946								
WAC 192	Mar. 1946								
WAC 193	Mar. 1946								

FLIGHT

FC 3	July 9, 1946	FC 14	Feb., 1945	FC 178	May 15, 1946	FC 214	May 31, 1945	FC 225	June 7, 1945
FC 4	July 23, 1946	FC 15	Oct. 1, 1946	FC 181	July 11, 1946	FC 216	Oct. 26, 1946	FC 226	June 13, 1946
FC 6	Oct., 1945	FC 16	Aug. 6, 1946	FC 182	Aug. 6, 1946	FC 217	Sept. 13, 1946	FC 227	Sept. 12, 1945
FC 7	Aug. 6, 1946	FC 42	May 19, 1946	FC 183	Apr. 2, 1946	FC 218	Oct. 14, 1946	FC 228	Aug. 1, 1946
FC 8	Sept. 17, 1946	FC 43	May 31, 1946	FC 184	Oct. 12, 1946	FC 219	Sept. 6, 1946	FC 229	July 9, 1946
FC 9	Sept. 17, 1946	FC 173	May 24, 1946	FC 185	May 31, 1946	FC 220	Sept. 11, 1946	FC 230	July 30, 1946
FC 10	Oct. 1, 1946	FC 174		FC 186	Aug. 17, 1946	FC 221	May 31, 1946	FC 231	July 22, 1946
FC 11	July 9, 1946	FC 175	May 31, 1945	FC 187	May 31, 1946	FC 222	May 31, 1946	FC 232	Sept. 10, 1946
FC 12	Aug. 6, 1946	FC 176	Sept. 30, 1946	FC 188	Aug. 19, 1946	FC 223	May 24, 1946	FC 233	Sept. 24, 1946
FC 13	May 28, 1946	FC 177	July 12, 1946	FC 213	Aug. 19, 1946	FC 224	May 31, 1945	FC 234	May 31, 1946

INDEX TO FLIGHT PLANNING CHARTS

